

Hubbell Continues the Tradition by



- Hubbell inSIGHT Phase Indicating Disconnect Switches
- Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures
- Disconnects with Jog Switch
- Advantage[™] Series Switch-Rated IEC Pin and Sleeve Floor Boxes
- Watertight Pin and Sleeve Devices
- Corrosion Resistant Devices
- Low Profile Devices

- Twist-Lock® Edge Series with strong spring continues to apply pressure as strands relax
- No exposed metal on receptacles, allowing more devices to be installed closer together
- No torque screwdrivers required for wiring



For more than a century, Hubbell Wiring Device-Kellems has offered distributors, end-user customers and specifiers the electrical and electronic wiring devices, wire management systems and specialized wiring products and solutions needed for industrial, institutional, commercial and residential markets.

Focusing on Safety and Efficiency



- SystemOne 4 inch Adjustable Recessed Floor Boxes
- Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs
- Countertop Pop-Up Receptacles
- Table Top Boxes
- Pre-Wired USB Pop-Up Boxes
- Pre-Wired Furniture/Work Boxes
- Powered Seating Boxes
- Cabled Charging Stations
- Power Charging Pedestals
- USB Charger Receptacles
- USB-C Power Delivery Charger Receptacles
- PlugTrak® Raceway with USB

Ensuring the safety of people and equipment while still effectively delivering power and technology is priority number one, which is why Hubbell products provide essential protection against injury and the dangers of electricity. Hubbell products are innovatively designed to maximize energy efficiency, reduce costs and ultimately lead to a lower total cost of ownership.



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- SNAPConnect® Extra Heavy Duty Devices
- Commercial Specification Grade Devices
- USB Charger Receptacles and Outlets
- Hubbell-PRO Extra Heavy Duty Devices
- Insulgrip® Plugs and Connectors

B Twist-Lock® and Hubbellock® Devices



- Insul-Lock™ Devices
- Midget Twist-Lock® Devices
- Twist-Lock® Devices
- Switched Safety Enclosures
- 50A Twist-Lock® Devices
- Hubbellock® Devices

C Watertight Devices



- Watertight Safety-Shroud[®] Twist-Lock[®] Devices
- Straight Blade Devices
- Twist-Lock® Devices
- FD Boxes and Angled Adapters
- GFCI Protected FD Box
- Heavy Duty Portable Outlet Boxes and Plates

D Switches



- HBL® Extra Heavy Duty Industrial Grade Series
- SNAPConnect® Heavy Duty Series
- Hubbell-PRO Heavy Duty Industrial Series
- Specification Grade Commercial Series
- Low Voltage Commercial Series

E Energy Efficiency Solutions



- Wall Switch Sensors
- Ceiling, Wall and End Mount Sensors
- OPTIMYZER® High Bay and Low Bay Sensors
- \bullet MAXXTM Harsh Environment Sensors
- Automatic Receptacle Control Solutions
- Wireless Sensors and Controls

F Switched Disconnects and Enclosures



- ÎnSIGHT™ Phase Indicating Disconnect Switches
- Non-Metallic and Stainless Steel Enclosures
- MotorQuick® Disconnect Switches
- Circuit-Lock® Fused Disconnects
- Hazardous Locations Devices
- AC Manual Toggle Controllers/Disconnects

G Pin and Sleeve Devices/Mechanical Interlocks



- Advantage[™] Series Switch-Rated Devices
- IEC Pin and Sleeve Watertight Devices
- Circuit-Lock® Mechanical Interlocks
- Low Profile Pin and Sleeve Devices
- UL1686 C1 Insulgrip® Pin and Sleeve Devices
- Hazardous Locations Devices

H Single Pole Devices and Temporary Power



- Series 15 150A Single Pole Devices
- Series 16 & 18 300 & 400A Single Pole Devices
- Spider® II Temporary Power Boxes
- Temporary Lighting
- Stage Pin Devices
- Convention Center Pin and Sleeve Devices

I Industrial Connectivity and Control Products



- LINKOSITY® Power Components
- MotorQuick® Disconnect Switches
- CableTrak® Hose and Cable Carrier System
- DIN Rail Utility Boxes
- PANEL-SAFE® Power and Data Access Ports
- HI-Impact Industrial Ethernet Products

J Cable, Cord and Hose Reels



- inREACH™ Industrial Cord Reels
- inREACH™ Industrial Cord Reels Connector Ends
- inREACH™ Industrial Weatherproof Cord Reels
- Heavy Duty Industrial Weatherproof Reels
- Commercial Cord Reels
- Air/Water Hose and Static Discharge Reels

K Ground Fault Products



- Extra Heavy Duty Industrial Series
- Heavy Duty Commercial LED Series
- SNAPConnect® GFCI Series
- Arc Fault AFCI Receptacles
- GFCI Portable Products
- Hard Wired 30 Amp GFCI Series

L Hospital Products



- HBL® Extra Heavy Duty Max Devices
- USB Charger Receptacles
- Plugs and Connectors
- Extra Heavy Duty Industrial GFCI Receptacles
- Surge Protection Devices
- Hubbellock® Devices

M SpikeShield® Power Quality Products



- Service/Branch Panel ProtectionSurge Protection Plug Strips
 - Surge Protection Receptacles
 - SNAPConnect® TR & Power Ind. LED Receptacles
 - Isolated Ground Devices

N Wallplates and Covers



- Snap-On Wallplates
- Non-Metallic and Metal Wallplates
- Pre-Marked Wallplates
- Security Wallplates
- Weatherproof Covers
- Heavy Duty Weatherproof Covers

O Floor Boxes and Surface Enclosures



- SystemOne Recessed Floor Boxes
- SystemOne Flush Floor Boxes
- Flush Floor Boxes and Covers
- Convention Center Utility BoxesCONNEXION 2.0 Zone Distribution System

P Fire-Rated Poke-Through (FRPT) Devices



- Hubbell SystemOne Recessed Systems
- Hubbell SystemOne Flush Systems
- 2X2 Flush FRPT Units
- Flush Duplex and Furniture Feed FRPT Units
- Painted or Brushed Aluminum Pedestal FRPT



Q Charging Solutions



- Powered Seating Boxes
- Cabled Charging Stations
- Power Charging Pedestals
- USB Charging Receptacles
- 2X2 USB Work Surface Pop-Up Boxes
- PlugTrak® Raceway with USB Charger Outlets

R Aluminum Service Poles



- · Features and Benefits
- Aluminum Series Offering
- Custom Pole Configurations
- Division 16 Specifications

S Metal and Non-Metallic Raceway



- Metal Raceway and PlugTrak®
- Aluminum Raceway and PlugTrak®
- Non-Metallic Raceway and PlugTrak®
- Pre-Wired Raceway
- FloorTrak[™] PRO System

T Trench, Wall and Underfloor Duct Products



- Trench Duct Series
- Wall Duct Series
- Underfloor Duct Series
- Underfloor Duct Raceway Activation Kits

U Wire Basket Tray



- Round Cross-Wire Basket Tray
- Flat Style Cross-Wire Basket Tray
- Under Floor Round Cross-Wire Basket Tray
- Preformed Fittings Accessories
- Supports and Brackets

V Hose and Cable Protection Systems



- TrukTrak® Systems
- TredTrak® Systems
- AccessTrak® Systems
- ProTrak™ Systems
- FloorTrak[®] Systems

W Wire Management Products



- Pulling Grips
- Support Grips
- Fiber Optic Cable Grips
- Strain Relief for Flexible Cords
- Cord Connectors
- Non-Metallic Liquidtight Conduit & Tubing

X Power and AV Enclosures



- Furniture/Work Surface & Table Top Boxes
- Prefab
- Wall boxes
- New Ceiling boxes to come

Y Network Wiring and netSELECT® Products



- Modular Jacks and Connectors
- Hubbell iSTATION Products
- In-Wall AV Delivery
- HDMI Products
- Network Enclosures and Modules
- Molded-In Voice/Data/Video

Z tradeSELECT® Products



- Decorator Products
- iDevices Products
- USB Charger Receptacles
- Switches and Receptacles
- Countertop Receptacles
- Power Delivery

AA Marine Products



- ELCI Interface Solutions
- 30A and 50A Cable Sets
- 100A and 200A Cable Sets
- Internationally Rated Devices
- Adapters
- Telephone and Cable TV Devices

BB Other Wiring Products



- Circuit Testers
- Adapters and Fluorescent Starters
- Lockout Devices
- Lampholders and Accessories
- Taps, Adapters, Plugs and Connectors

General Technical Data



- Industry Standards
- Certification Agencies and Markings
- Codes and Standards Organizations
- NEMA and IEC Classifications
- Circuit Wiring Diagrams

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- NEMA Straight Blade Devices
- NEMA Twist-Lock® Devices

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- Numeric Part Numbers
 - Section Page(s) Indicated

Hubbell Wiring Device-Kellems

General Information

Industrial and Commercial Wiring Devices and Systems Kellems Wire Management Products Residential Products Marine Products

MEMBER



National Electrical Manufacturers Association

NEMA promotes the competitiveness of its member companies by providing a forum for the development of technical standards that are in the best interests of the industry and the users of its products.



National Association of Electrical Distributors

Since 1908, NAED has served as the trade association for the electrical distribution industry.

To be an NAED associate member, your company must be a manufacturer or value-added reseller.



Restriction of Hazardous Substances

The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment".



U.S. Green Building Council Member

Hubbell is a US Green Building Council (USGBC) member dedicated to advancing buildings that are environmentally responsible in the way they are designed, built and operated.



International Organization for Standardization

ISO (International Organization for Standardization) is the world's largest developer and publisher of International Standards.

Precautions have been taken to assure accuracy of the information in this catalog. Typographical or pictorial errors which are brought to our attention will be corrected in subsequent issues.

Product dimensions in this catalog are nominal and are provided for the convenience of our customers. Hubbell reserves the right to make product changes from time to time, without prior notification, which may change the dimensions shown. We, therefore, recommend they be checked before using for customer projects or product development and specification.

The designs and dimensions of the products listed in this catalog, were correct at the date of publication and are subject to change without notice.

All configuration diagrams shown in the various sections of the catalog are female devices (receptacles, connector bodies, etc.) unless otherwise indicated.

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Claims for freight charges or allowances of any kind will not be considered after 30 days from receipt of goods and our responsibility ceases when we have delivered such shipments to the carriers and hold their receipts.

The following trademarks of Hubbell Incorporated, are your assurance of the highest quality wiring devices and wiring management products in the Industry.

- 4-PI FX®
- AccessTrak[®]
- Advantage™
- ADD-A-SHROUD®
- AUTOGUARD®
- BaseTrak[®]
- CableTrak[®]
- CircuitGuard®
- Circuit-Lock®
- CircuitPro[®]
- DUA-PULL®
- Elastogrip[®] FloorTrak[®]
- GOTCHA®
- Gripulator®

- HBI ®
- Handi-Screw[®]

- Hubbellock®
- Hubbellnet®
- inSIGHT™

- JLOAD®

- LINKOSITY®

- LANTrak[®]
- MAXXTM

- Hubbell®
- Hubbell Juniors®

- Insul-Lock[™]
- Insularip®
- Kellems[®]

- Load:Logic[®]

- Mini-Quick®

- NOT Plug Resistant™
- OPTISOK®
- PLUG-CHECK®

- PolyTrak[®] PolvTuff®

- Micro-Quick®
- MotorQuick®
- netSELECT®

- OPTIMYZER®
- PLUGOUT®
- PlugTrak®

- Nano-Quick®
- NEXTSPEED®

- PANEL-SAFE®

- PremiseTrak®
 - PresSwitch®
 - ProTrak™
 - RACO®
 - Rough-in Ready®
 - Safety-Shroud®

 - ScrubShield® • Seal-Tite®
 - Signal-Quick®
 - SNAPConnect®
 - SPEEDGAIN® • Spider®
 - SpikeShield®
 - Style Line[®]
 - Super BaseTrak®

- Super Twist-Lock®
- SWITCHOUT®
- SwivelLok® tradeSELECT®
- TredTrak®
- TrukTrak®
- Twist-Lock[®]
- Valise[®]
- Variload® VARI-SIZE®
- WallTrak®
- XCLAMPTM

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SECTION A

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Products at a Glance



HBL® Extra Heavy Duty Max Hospital Grade

- Deep nylon body design increases impact and chemical resistance
- One-piece nickel-plated brass ground strap
- ID marking surface for quick circuit identification
- Square head, 10-thread bronze center rivet
- External back wire clamp



HBL® Extra Heavy Duty Max

- One-piece brass ground strap
- Exclusive bypass contact design for greater contact force and reduced heat buildup
- Barbed assembly arms reduce possibility of face/base separation
- Deep face design



SNAPConnect® Extra Heavy Duty

- Hospital and Specification Grade
- SNAPConnect® modular wiring device system saves installation time
- Eliminates screw terminations
- Steel mounting strap, self-grounding
- Compact size requires minimal space
- Single receptacles available



EdgeConnect™ Spring Termination Receptacles

- Hospital and Specification Grade
- Spring termination saves installation time
- Eliminates screw terminations
- More secure connection
- Steel/Brass mounting strap, self-grounding



Hubbell-PRO Extra Heavy Duty

- Specification Grade and Hospital Grade
- Tamper-Resistant... NOT Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding



USB Charger Receptacles

- Type-C, Type A&C and Type A port configurations, high power 5 Amp, 5 Volt DC USB output
- Available in Standard and Hospital Grade
- Weather Resistant Type A&C USB charger
- SNAPConnect® devices, reduce labor costs and installation time
- 4 Port and Switch Combo outlets



Commercial Specification Grade

- Installation ease
 - Single tab breakoff ears
 - Self-grounding staple
 - Easy access split circuit tab
- Tamper-Resistant... NOT Plug Resistant™
- Wrap-around galvanized steel straps



4-PLEX Receptacles

- Hospital Grade and Surge styles
- Mounts directly to 4-inch square box
- "A" and "B" circuit ID molded into face
- Removable knockouts for mounting to octagon concrete ring or box
- Heavy duty, triple wipe, brass power and ground contacts

Features and Benefits

HBL® Extra Heavy Duty Max Hospital Grade Devices

UL requirements for Hospital Grade devices is more stringent than those for standard devices. Hubbell receptacles are designed to meet and exceed the standards.

- Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas
- Impact resistant deep face design prevents breakage

Because of these features and others, the benefit is performance, reliability and value for any health care facility.





Housing Design

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance
- Deep body design increases impact and chemical resistance



Terminals

- External wiring clamps allow for visual inspection of the terminals
- Unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



One-Piece Mounting Strap

- Back wired ground terminal allows faster, easier installation
- One-piece nickel-plated brass integral ground strap for greater corrosion resistance
- Patented ground contact provides redundant grounding



Contacts

- Exclusive bypass contacts are made of nickel-plated brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed assembly arms reduce possibility of face/base separation



Identification

- I.D. marking surface provides quick, sure circuit identification
- All Hospital Grade devices are marked with the green dot symbol, required by UL



Center Rivet

 Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

Features and Benefits

HBL® Extra Heavy Duty Max Industrial Series

Hubbell's commitment to quality continually reinforces a philosophy of unrivaled performance. No Hubbell device exemplifies this philosophy more than the HBL5262. While all Hubbell receptacles are designed and manufactured to withstand even the harshest environments, none match the total performance of the HBL5262.

Whether in a factory, office building or school, the Hubbell HBL5262 is the receptacle of choice when people are depending on the safety and reliability of a receptacle.

- One-piece brass ground strap
- Patented bypass contacts
- Back wired ground terminal reduces installation time and increases convenience

The safest, most reliable design for a low resistance flow of fault currents. Oversized "bell" shaped ground contacts, along with nickel plated steel retaining shields, help minimize damage to the grounding system during abrupt pullout.





Housing Design

- RTP base offers greater heat resistance, plus contact stability
- Providing contact stability, this high tech material will reduce heat buildup, giving you long lasting performance
- Deep nylon body design delivers increased impact resistance



Terminals

- External bundling terminals contain wire strands and are designed for quick inspection
- Unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



One-Piece Mounting Strap

- Back wired ground terminal allows faster, easier installation
- One-piece brass ground strap for low resistance of fault currents
- Patented ground contact provides redundant grounding



Contacts

- Patented "bypass" contacts are made of high grade brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed brass locking arms keep the face locked in place to diminish potential for face/base separation



Identification

• I.D. marking surface provides quick, sure circuit identification



Center Rivet

 Square head, 10-thread brass center rivet won't rotate, reduces stripping and resists corrosion

Features and Benefits

EdgeConnect™ Spring Termination Receptacles

Hubbell's innovative, patented EdgeConnect™ devices with screwless terminations are the fastest termination devices on the market. Strong steel springs continuously apply pressure to wires, ensuring a strong connection in the most abusive environments.

Designed with easy termination access in the back of the device with laser etched terminal markings for clear identification of correct wiring.

Funneled wire entry to direct conductor strands as well as molded in leverage points for easy unwiring.





The terminations are tight from day one and stay tight, gripping hard to keep the power flowing even through high vibration environments that can steadily work wires loose and cause unscheduled downtime.

Similar performance is also demonstrated in the face of related industrial threats such as temperature cycling and strand relaxation. No matter what the environment, with EdgeConnect™ devices you won't have to go back and retighten—just install once and you're all set.

Wires secured with Hubbell's EdgeConnect™ screwless termination devices not only stay tight, they actually dig in and get tighter in the face of the relentless vibration from industrial equipment which constantly threatens the integrity of traditional connections.

IT'S ABOUT PERFORMANCE



Speed

80% faster terminations



Durability

Built to withstand the industry's harshest environments



Performance

Terminations are 25-60% stronger when subjected to vibration



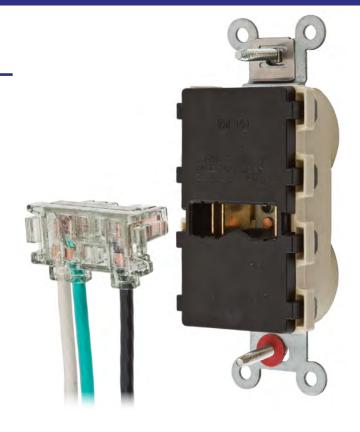
Patented

The only screwless termination in an industrial NEMA wiring device

Features and Benefits

SNAPConnect® Extra Heavy Duty Receptacles

- Modular wiring system eliminates screw terminals
- Speeds installation and trim-out
- Clear polycarbonate terminal housing to inspect contacts
- Available in standard, tamper-resistant and power indicating LFD versions
- Abuse resistant nylon for extra heavy use applications
- Stainless steel autoground



Housing Design

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Compact size, requires minimal box space
- Clean finished look

Labor Savings



Save One Minute!

 Rough-in the SNAPConnect® terminal instead of pigtails



Installation Ease

- Self-grounding clip
- Modular receptacle which requires pigtailed connector below



Save Over Three Minutes!

• Remove protective packaging and SNAPConnect® device to the circuit



Identification

- Clear terminal housing for easy inspection of power contacts
- No exposed metal
- Audible SNAP, indicates solid connection
- Secure, easy grip latch



Complete Trim-Out in Less Than One Minute!

• Secure mounting screws, attach wallplate, job complete

Features and Benefits

Commercial Specification Grade Receptacles

The Hubbell Tamper-Resistant Mechanism eliminates the frustration and difficulty experienced using TR receptacles with plugs that have sharp, or bent blades. Hubbell TR receptacles work so well there is virtually no perceptible difference in the feel between the TR receptacles and our conventional non-TR receptacles. Trust Hubbell to deliver TamperResistant protection that feels like it's not even there.

- Patented TR design eliminates plug-in difficulty and TR complaints
- Perfect for residential TR applications involving tenants with limited dexterity or hand strength
- For use in locations requiring Tamper-Resistant receptacles
- Best-in-class TR mechanism





Tamper-Resistant... **NOT** Plug Resistant[™]



Housing Design

- Durable polycarbonate face and base construction
- Modern architectural appearance, Style Line[®] decorator face



Tamper-Resistant... NOT Plug Resistant®

- Patented Cam Action TR Mechanism
- Difficulties due to problematic plugs are minimized



One-Piece Mounting Strap

- Sturdy construction, wrap-around galvanized steel straps
- Installation ease
- Single tab breakoff ears
- Self-grounding staple



Contacts

- Easy access split circuit tab
- Fork terminal capable
- Oversized terminal screws



Permanently Marked Receptacles for Automatic Outlet Control Systems

- These receptacles are embossed with the universally recognized power symbol and the word "CONTROLLED" remains clearly visible after installation
- Available in SNAPConnect® and conventionally wired versions



Nightlight Receptacle

- Two nightlight LEDs for 0.5 Lumens total
- Tamper-Resistant shutters complies with NEC article 406.12
- Back and side wired

Features and Benefits

USB Charger Receptacles and Outlets

Hubbell's new fast charging USB-C Power Delivery receptacles provide more power. Users can quickly charge laptops and other large devices. The USB-C port marked PD (Power Delivery) provides up to 55 Watt of output. The additional Type-C or Type-A port delivers up to 1.5 Amp, 5 Volt (7.5 Watt) of power.

More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

The 4 Port Charger Outlet feature a USB port door, which when open enables power. When closed, all power is switched OFF. This eliminates all current flow for a "zero" no-load draw. Buildings looking to provide 100% green efficiency in power delivery will maximize LEED and energy efficient design.

Common Features

- Green LED indicator to show USB power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2 and 3.1 Power Delivery specification
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products





Types of USB Chargers

- Two Type-C ports, one Type A and one Type-C port, or two Type A port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light



USB-C Power Delivery Charger Receptacles

- Commercial and Hospital Grade
- Type C/C or Type A/C port configurations
- USB-C port (up to 20 Volt, 55 Watt output)
- 2nd USB-A or USB-C convenience port (up to 1.5 Amp, 5 Volt, 7.5 Watt output)
- Heavy duty spec grade



SNAPConnect® Receptacle

- SNAPConnect® devices reduce labor time during installation and when being serviced in the future
- · Installation ease
- Self-grounding staple



Identification

- Patented Hubbell TR technology uses cam action shutters; the frictionfree design of the mechanism's doors requires much less force to open
- Green LED indicator to show USB power available



4 Port and Switch Combo Outlets

- 4 Port outlet, Type A&C class 2.05 Amp, up to 9 Volt DC
- 4 Port has switch activated port door; when closed, all power is switched OFF
- Switch Combo has two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/ 3-way switch















HBL® Extra Heavy Duty Max Hospital Grade Receptacles

Duplex	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.	Black Blue Brown Gray Ivory Light Almond Red White	HBL8200BK - HBL8200 HBL8200GY HBL8200I HBL8200LA HBL8200RED HBL8200W	HBL8300BL HBL8300 HBL8300GY HBL8300I HBL8300LA HBL8300RED HBL8300W
Flush, LED illuminated face, back and side wired.	Gray Ivory Red White	HBL8200ILGY HBL8200ILI HBL8200ILR HBL8200ILW	HBL8300ILGY HBL8300ILI HBL8300ILR HBL8300ILW
Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c).	Brown Gray Ivory Light Almond Red White	HBL8200SGA HBL8200SGGYA HBL8200SGIA - HBL8200SGRA HBL8200SGWA	HBL8300SGA HBL8300SGGYA HBL8300SGIA HBL8300SGLA HBL8300SGRA HBL8300SGWA
Isolated ground [∆] .	Orange Red	IG8200 IG8200R	IG8300 IG8300R



MRI receptacle, flush, thermoplastic	lvory	HBL8200IMRI	HBL8300IMRI
polyester face, back and side wired.	Light Almond	HBL8200LAMRI	HBL8300LAMRI
100% non-ferrous.	Red	HBL8200RMRI	HBL8300RMRI
	White	HBL8200WMRI	HBL8300WMRI

Slender/Compact, Duplex

olender/odinpact, Duplex				
Flush, thermoplastic polyester face,	Brown	HBL8200H	HBL8300H	
back, and side wired,	Gray	HBL8200HG	HBL8300HG	
Fed. Spec. verified.	Green	_	HBL8300HGN	
	lvory	HBL8200HI	HBL8300HI	
	Light Almond	HBL8200HLA	HBL8300HLA	
	Red	HBL8200HRED	HBL8300HRED	
	White	HBL8200HW	HBL8300HW	
				Т

Style Line® Decorator*

Flush, nylon face,	Brown	HBL2172	HBL2182
back and side wired.	Gray	HBL2172GY	HBL2182GY
	lvory	HBL2172I	HBL2182I
	Red	HBL2172R	HBL2182R
	White	HBL2172WA	HBL2182WA
lsolated ground [∆] .	lvory	_	IG2182I
_	Orange	_	IG2182
	White	_	IG2182WA

Cinala

Single				
Flush, nylon face, back and side wired, Fed. Spec. verified.	Brown Gray Ivory Red White	HBL8210 HBL8210GY HBL8210I HBL8210R HBL8210W	HBL8310 HBL8310GY HBL8310I HBL8310R HBL8310W	
Panel mount on 1.94 in. (49.2) centers.	Brown Ivory	HBL8284 HBL8284I	_ HBL8384I	
Isolated ground [△] .	Orange	IG8210	IG8310	

Note: ^ASee section N for additional information on isolated ground devices.

See section O for wallplates.

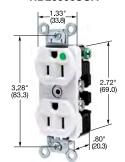




HBL8200GY



HBL8300SGA



HBL8200ILW



HBL2172



HBL8210GY

^{*}Not Fed. Spec. Listed.

See pages A-47 and A-48 for accessories.

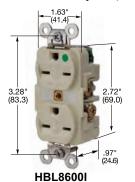
See page Tech-10 for Tamper-Resistant description.

See section M for additional information on Hospital Grade products.





15 and 20 Ampere, 125 and 250 Volts



HBL® Extra Heavy Duty Max Hospital Grade Receptacles





Duplex	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.	Brown	HBL8600	HBL8400
	Ivory	HBL8600I	HBL8400I

Note: See page A-48 for accessories. See section N for wallplates.



HBL5282

HBL5261BK



_1.65" (41.9)

HBL5262

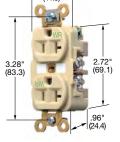
HBL® Extra Heavy Duty Max Specification Grade Receptacles

UL CSA 0.5 HP

IG5362WWR

HBL5361BK

Duplex	Color	Catalog Number	
Flush, nylon face,	Black	HBL5262BK	HBL5362BK
back and side wired.	Blue	_	HBL5362BL
	Brown	HBL5262	HBL5362
	Gray	HBL5262GY	HBL5362GY
	lvory	HBL5262I	HBL5362I
	Red	HBL5262R	HBL5362R
	White	HBL5262W	HBL5362W
Isolated ground ^a .	Gray	IG5262GY	IG5362GY
	lvory	IG5262I	IG5362I
	Orange	IG5262	IG5362
	Red	IG5262R	IG5362R
	White	_	IG5362W
Non-isolated ground, bulk pack of 100.	Orange	_	HBL5362M4
Weather Resistant,	Black	HBL5262BKWR	HBL5362BKWR
flush, nylon face,	Brown	HBL5262WR	HBL5362WR
back and side wired.	Gray	HBL5262GYWR	HBL5362GYWR
	lvory	HBL5262IWR	HBL5362IWR
	Red	HBL5262RWR	HBL5362RWR
	White	HBL5262WWR	HBL5362WWR
Corrosion resistant.	lvory	HBL52CM62I	_
	Yellow	HBL52CM62	HBL53CM62
Weather Resistant,	Gray	IG5262GYWR	IG5362GYWR
Isolated ground [∆] .	lvory	IG5262IWR	IG5362IWR
	Orange	IG5262WR	IG5362WR
	Red	IG5262RWR	IG5362RWR

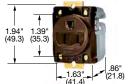


HBL5362IWR

.94" (23.9)

HBL5261





HBL5284

Dimensions in Inches (mm)



White

Brown

Black

Note: ^ASee section N for additional information on isolated ground devices.

See pages A-47 and A-48 for accessories.

See page Tech-10 for Weather Resistant descriptions.

See section O for wallplates.

On 4 in. (101.6) round cover.

Single Flush, nylon face,









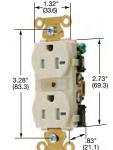


UL CSA 0.5 HP



HBL® Extra Heavy Duty Max **Tamper-Resistant Receptacles**

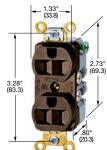
Duplex	Color	Catalog Number	
Flush, nylon face, Tamper-Resistant,	Black	HBL5262BKTR	HBL5362BKTR
back and side wired.	Blue	HBL5262BLTR	HBL5362BLTR
	Brown	HBL5262TR	HBL5362TR
	Gray	HBL5262GYTR	HBL5362GYTR
	lvory	HBL5262ITR	HBL5362ITR
	Light Almond	HBL5262LATR	HBL5362LATR
	Red	HBL5262RTR	HBL5362RTR
	White	HBL5262WTR	HBL5362WTR



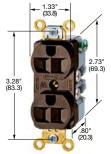
HBL5362ITR

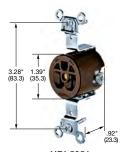




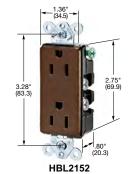


HBL5242





HBL5251



Dimensions in Inches (mm)

HBL® Extra Heavy Duty Max Compact Receptacles

Duplex	Color	Catalog Number	
Flush, nylon face, back and side wired.	Black Blue Brown Gray Ivory Red White	HBL5252BK - HBL5252 HBL5252GY HBL5252I HBL5252R HBL5252W	HBL5352BK HBL5352BL HBL5352 HBL5352GY HBL5352I HBL5352R HBL5352W
On a 4 in. (101.6) round cover.	Brown	HBL5253	-
Flush, nylon face, side wired only.	Brown Gray Ivory White	HBL5242 HBL5242GY HBL5242I HBL5242W	HBL5342 HBL5342GY HBL5342I HBL5342W
Ring terminal connection.	Brown	HBL5242RT	HBL5342RT
Single			
Flush, side wired only.	Brown Ivory	HBL5251 HBL5251I	- -
Panel mount 1.75 in. (44.5) centers.	Brown Ivory	HBL5258 HBL5258I	HBL5358 -
Style Line® Decorator*			
Flush, nylon face, back and side wired.	Black Brown Gray Ivory White	HBL2152BK HBL2152 HBL2152GY HBL2152I HBL2152WA	HBL2162BK HBL2162 HBL2162GY HBL2162I HBL2162WA
Isolated ground ^a .	Gray Orange	– IG2152	IG2162GY IG2162

Note: $^{\Delta}$ See section N for additional information on isolated ground devices.

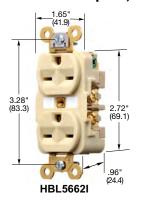
*Style Line Duplex devices are not Fed. Spec. Listed.

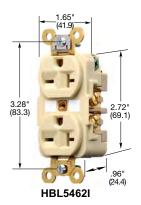
See page A-47 for accessories. See section O for wallplates.

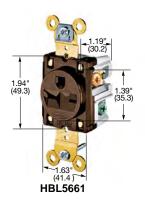




15 and 20 Ampere, 250 Volts











Dimensions in Inches (mm)

HBL® Extra Heavy Duty Max Specification Grade Receptacles





\smile
20A 250V
NEMA 6-20
UL CSA
2 HP

Duplex	Color	Catalog Number	
Flush, nylon face,	Black	-	HBL5462BK
back and side wired,	Brown	HBL5662	HBL5462
multiple drive screws.	Gray	_	HBL5462GY
	lvory	HBL5662I	HBL5462I
	Red	-	HBL5462R
Isolated ground ^a .	Orange	IG5662	IG5462

Single

Flush, nylon face,	Brown	HBL5661	HBL5461
back and side wired.	Gray	_	HBL5461GY
	lvory	HBL5661I	HBL5461I
	Red	_	HBL5461R
	White	_	HBL5461W
Isolated ground ^a .	Orange	IG5661	IG5461
Panel mount 1.94 in. (49.3) centers.	Brown	HBL5684	_
Ring terminal connection.	Brown	HBL5661RT	_

Duplex and Single Panel Mount

Flush, nylon duplex face, side wired only.	Brown Ivorv	HBL5652 HBL5652I	
Panel mount 1.75 in. (44.5) centers.	Brown	HBL5658	_

Note: ASee section N for additional information on isolated ground devices. HP ratings are AC only.

See page A-47 for accessories. See section O for wallplates.







IP20 SUITABILITY





SNAPConnect® Extra Heavy Duty
Hospital Grade Receptacles

		0.5 HP	THP
Duplex	Color	Catalog Number	
Hospital grade, finder groove, nylon face,	Black	SNAP8200BKA	SNAP8300BKA
modular receptacle which requires	Brown	SNAP8200A	SNAP8300A
pigtailed connector on page A-15.	Gray	SNAP8200GYA	SNAP8300GYA
pigtanda dorintedtor on pago / t to.	lvory	SNAP8200IA	SNAP8300IA
	Light Almond	SNAP8200LAA	SNAP8300LAA
	Red	SNAP8200RA	SNAP8300RA
	White	SNAP8200WA	SNAP8300WA
Hospital grade, smooth nylon face,	Black	SNAP8200BKNA	SNAP8300BKNA
modular receptacle which requires	Brown	SNAP8200NA	SNAP8300NA
pigtailed connector on page A-15.	Gray	SNAP8200GYNA	SNAP8300GYNA
Assembled in USA.	lvory	SNAP8200INA	SNAP8300INA
	Light Almond	SNAP8200LANA	SNAP8300LANA
	Red	SNAP8200RNA	SNAP8300RNA
	White	SNAP8200WNA	SNAP8300WNA
Hospital grade, Tamper-Resistant,	Black	SNAP8200BKTRA	SNAP8300BKTRA
smooth nylon face, modular receptacle	Brown	SNAP8200TRA	SNAP8300TRA
which requires pigtailed connector on	Gray	SNAP8200GYTRA	SNAP8300GYTRA
page A-15. Assembled in USA.	lvory	SNAP8200ITRA	SNAP8300ITRA
	Light Almond	SNAP8200LATRA	SNAP8300LATRA
	Red	SNAP8200RTRA	SNAP8300RTRA
	White	SNAP8200WTRA	SNAP8300WTRA
Hospital grade, Tamper-Resistant,	Black	SNAP8200BKSCTRA	SNAP8300BKSCTRA
Split Circuit, smooth nylon face,	Brown	SNAP8200SCTRA	SNAP8300SCTRA
modular receptacle which requires	Gray	SNAP8200GYSCTRA	SNAP8300GYSCTRA
pigtailed connector on page A-15.	lvory	SNAP8200ISCTRA	SNAP8300ISCTRA
Assembled in USA.	Light Almond	SNAP8200LASCTRA	SNAP8300LASCTRA
7.000/11b/00/11/	Red	SNAP8200RSCTRA	SNAP8300RSCTRA
	White	SNAP8200WSCTRA	SNAP8300WSCTRA
La			
Isolated ground ^a , Hospital grade,	Orange	SNAP8200IGTRA	SNAP8300IGTRA
Tamper-Resistant.	Red	SNAP8200RIGTRA	SNAP8300RIGTRA
Hospital grade, with Power Indicating LED,	Black	SNAP8200BKL	SNAP8300BKL
smooth nylon face, modular receptacle	Brown	SNAP8200L	SNAP8300L
which requires pigtailed connector on	Gray	SNAP8200GYL	SNAP8300GYL
page A-15. Assembled in USA.	Ivory	SNAP8200IL	SNAP8300IL
	Light Almond	SNAP8200LAL	SNAP8300LAL
	Red	SNAP8200RL	SNAP8300RL
	White	SNAP8200WL	SNAP8300WL
Isolated ground [∆] , Hospital grade,	Orange	SNAP8200IGL	SNAP8300IGL
with Power Indicating LED.	Red	SNAP8200RIGL	SNAP8300RIGL
Hospital grade, Tamper-Resistant,	Black	SNAP8200BKLTRA	SNAP8300BKLTRA
with Power Indicating LED, smooth	Brown	SNAP8200LTRA	SNAP8300LTRA
nylon face, modular receptacle which	Gray	SNAP8200GYLTRA	SNAP8300GYLTRA
requires pigtailed connector on page A-15.	Ivory	SNAP8200ILTRA	SNAP8300ILTRA
Assembled in USA.	Light Almond	SNAP8200LALTRA	SNAP8300LALTRA
	Red	SNAP8200RLTRA	SNAP8300RLTRA
	White	SNAP8200WLTRA	SNAP8300WLTRA
Hospital grade, Tamper-Resistant,	Gray	SNAP8200GYLTR	SNAP8300GYLTR
with Power Indicating Face, smooth	lvory	SNAP8200ILTR	SNAP8300ILTR
	•		
		SNAP8200RLTR	SNAP8300RLTR
face, modular receptacle which requires	Red		CNIADOSOOMITO
pigtailed connector on page A-15.	White	SNAP8200WLTR	SNAP8300WLTR
			SNAP8300WLTR SNAP8300IGLTRA SNAP8300RIGLTRA

3.28" (66.5)

SNAP8300WA



SNAP8300LATRA



SNAP8300L



SNAP8300RLTR



SNAP8310GY

Dimensions in Inches (mm)

SNAPConnect® Extra Heavy Duty Hospital Grade ● Single Receptacles

ONAL COMMECT Extra fleavy Duty flospital Grade Configer fleeeptacles				
Hospital Grade ●		Hospital Grade	■ Tamper-Resistant	
Color	15A 125V	20A 125V	15A 125V	20A 125V
Black	SNAP8210BK	SNAP8310BK	SNAP8210BKTR	SNAP8310BKTR
Blue	SNAP8210BL	SNAP8310BL	SNAP8210BLTR	SNAP8310BLTR
Brown	SNAP8210	SNAP8310	SNAP8210TR	SNAP8310TR
Gray	SNAP8210GY	SNAP8310GY	SNAP8210GYTR	SNAP8310GYTR
lvory	SNAP8210I	SNAP8310I	SNAP8210ITR	SNAP8310ITR
Light Almond	SNAP8210LA	SNAP8310LA	SNAP8210LATR	SNAP8310LATR
Red	SNAP8210R	SNAP8310R	SNAP8210RTR	SNAP8310RTR
White	SNAP8210W	SNAP8310W	SNAP8210WTR	SNAP8310WTR





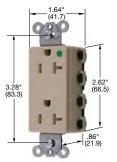
15 and 20 Ampere, 125 Volts



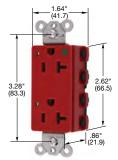


1.64" (41.7)

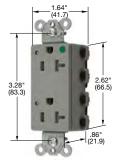
SNAP2182A



SNAP2182ITRA



SNAP2182RL



SNAP2182GYLTRA



Dimensions in Inches (mm)







Troopital Grado Trooopiaoloo		0.5 HP	1 HP
Style Line® Decorator	Color	Catalog Number	
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on	Black	SNAP2172BKA	SNAP2182BKA
	Brown	SNAP2172A	SNAP2182A
	Gray	SNAP2172GYA	SNAP2182GYA
page A-15.	Ivory	SNAP2172IA	SNAP2182IA
	Light Almond	SNAP2172LAA	SNAP2182LAA
	Red	SNAP2172RA	SNAP2182RA
	White	SNAP2172WA	SNAP2182WA
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	SNAP2172BKNA SNAP2172NA SNAP2172GYNA SNAP2172INA SNAP2172LANA SNAP2172RNA SNAP2172WNA	SNAP2182BKNA SNAP2182NA SNAP2182GYNA SNAP2182INA SNAP2182LANA SNAP2182RNA SNAP2182WNA
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	SNAP2172BKTRA SNAP2172TRA SNAP2172GYTRA SNAP2172ITRA SNAP2172LATRA SNAP2172RTRA SNAP2172WTRA	SNAP2182BKTRA SNAP2182TRA SNAP2182GYTRA SNAP2182ITRA SNAP2182LATRA SNAP2182RTRA SNAP2182WTRA
Hospital grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	SNAP2172BKSCTRA SNAP2172SCTRA SNAP2172GYSCTRA SNAP2172ISCTRA SNAP2172LASCTRA SNAP2172RSCTRA SNAP2172WSCTRA	SNAP2182BKSCTRA SNAP2182SCTRA SNAP2182GYSCTRA SNAP2182ISCTRA SNAP2182LASCTRA SNAP2182RSCTRA SNAP2182WSCTRA
Isolated ground ^a , Hospital grade,	Orange	SNAP2172IGTRA	SNAP2182IGTRA
Tamper-Resistant.	Red	SNAP2172RIGTRA	SNAP2182RIGTRA
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	SNAP2172BKL	SNAP2182BKL
	Brown	SNAP2172L	SNAP2182L
	Gray	SNAP2172GYL	SNAP2182GYL
	Ivory	SNAP2172IL	SNAP2182IL
	Light Almond	SNAP2172LAL	SNAP2182LAL
	Red	SNAP2172RL	SNAP2182RL
	White	SNAP2172WL	SNAP2182WL
Isolated ground ^a , Hospital grade, with Power Indicating LED.	Orange	SNAP2172IGL	SNAP2182IGL
	Red	SNAP2172RIGL	SNAP2182RIGL
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA.	Black	SNAP2172BKLTRA	SNAP2182BKLTRA
	Brown	SNAP2172LTRA	SNAP2182LTRA
	Gray	SNAP2172GYLTRA	SNAP2182GYLTRA
	Ivory	SNAP2172ILTRA	SNAP2182ILTRA
	Light Almond	SNAP2172LALTRA	SNAP2182LALTRA
	Red	SNAP2172RLTRA	SNAP2182RLTRA
	White	SNAP2172WLTRA	SNAP2182WLTRA
Isolated ground ^A , Hospital grade,	Orange	SNAP2172IGLTRA	SNAP2182IGLTRA
TR with Power Indicating LED.	Red	SNAP2172RIGLTRA	SNAP2182RIGLTRA

Note: ΔSee section N additional information on isolated ground devices and section O for wallplates. See page A-5 for additional information on SNAPConnect features.

See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.

See pages A-47 and A-48 for accessories.

SNAPConnect® Extra Heavy Duty **Hospital Grade** • Receptacles

SNAPConnect® Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	SNAP1RA	SNAP1RNA
	Stranded	SNAP2RA	SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	SNAP1RAM2	SNAP1RNAM2
	Stranded	SNAP2RAM2	SNAP2RNAM2

Note: For Assembled in USA products, must order connector with NA suffix.





15 and 20 Ampere, 125 Volts







Isolated ground^a, Specification grade,

Specification grade, Tamper-Resistant,

with Power Indicating LED, smooth

nylon face, modular receptacle which

Isolated ground[∆], Specification grade,

TR with Power Indicating LED.

requires pigtailed connector on page A-13.

with Power Indicating LED.

Assembled in USA.

Extra froaty Buty frocoptacios		0.5111	1111
Duplex	Color	Catalog Number	
Specification grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page A-13.	Black Brown Gray Ivory Light Almond Red White	SNAP5262BKA SNAP5262A SNAP5262GYA SNAP5262IA SNAP5262LAA SNAP5262RA SNAP5262WA	SNAP5362BKA SNAP5362A SNAP5362GYA SNAP5362IA SNAP5362LAA SNAP5362RA SNAP5362WA
Specification grade, smooth, nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	SNAP5262BKNA SNAP5262NA SNAP5262GYNA SNAP5262INA SNAP5262LANA SNAP5262RNA SNAP5262WNA	SNAP5362BKNA SNAP5362NA SNAP5362GYNA SNAP5362INA SNAP5362LANA SNAP5362RNA SNAP5362WNA
Specification grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black Blue Brown Gray Ivory Light Almond Red White	SNAP5262BKTRA SNAP5262BLTRA SNAP5262TRA SNAP5262GYTRA SNAP5262ITRA SNAP5262LATRA SNAP5262RTRA SNAP5262WTRA	SNAP5362BKTRA SNAP5362BLTRA SNAP5362TRA SNAP5362GYTRA SNAP5362ITRA SNAP5362LATRA SNAP5362RTRA SNAP5362RTRA
Specification grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black Blue Brown Gray Ivory Light Almond Red White	SNAP5262BKSCTRA SNAP5262BLSCTRA SNAP5262SCTRA SNAP5262GYSCTRA SNAP5262ISCTRA SNAP5262LASCTRA SNAP5262RSCTRA SNAP5262WSCTRA	SNAP5362BKSCTRA SNAP5362BLSCTRA SNAP5362SCTRA SNAP5362GYSCTRA SNAP5362ISCTRA SNAP5362LASCTRA SNAP5362RSCTRA SNAP5362WSCTRA
Isolated ground ^a , Specification grade, Tamper-Resistant.	Orange	SNAP5262IGTRA	SNAP5362IGTRA
Spec. grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA.	Black Blue Brown Gray Ivory	SNAP5262BKL SNAP5262BLL SNAP5262L SNAP5262GYL SNAP5262IL	SNAP5362BKL SNAP5362BLL SNAP5362L SNAP5362GYL SNAP5362IL

Light Almond

Red

White

Black

Blue

Gray

Ivory

Red

White

Orange

Light Almond

Brown

Orange

SNAP5262LAL

SNAP5262RL

SNAP5262WL

SNAP5262IGL

SN

SN

SN

SN

SN

SNAP5262BKLTRA

SNAP5262WLTRA

SNAP5262IGLTRA



SNAP5362WLTRA

SNAP5362IGLTRA

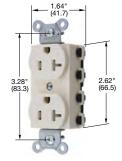
AP5262BLLTRA	SNAP5362BLLTRA
AP5262LTRA	SNAP5362LTRA
AP5262GYLTRA	SNAP5362GYLTRA
AP5262ILTRA	SNAP5362ILTRA
AP5262LALTRA	SNAP5362LALTRA
AP5262RLTRA	SNAP5362RLTRA



ONA Comment Extra freaty Buty Standard Onigic freeeptacles					
	Standard Duplex		Standard Duple	x Tamper-Resistant	
Color	15A 125V	20A 125V	15A 125V	20A 125V	
Black	SNAP5261BK	SNAP5361BK	SNAP5261BKTR	SNAP5361BKTR	
Blue	SNAP5261BL	SNAP5361BL	SNAP5261BLTR	SNAP5361BLTR	
Brown	SNAP5261	SNAP5361	SNAP5261TR	SNAP5361TR	
Gray	SNAP5261GY	SNAP5361GY	SNAP5261GYTR	SNAP5361GYTR	
lvory	SNAP5261I	SNAP5361I	SNAP5261ITR	SNAP5361ITR	
Light Almond	SNAP5261LA	SNAP5361LA	SNAP5261LATR	SNAP5361LATR	
Red	SNAP5261R	SNAP5361R	SNAP5261RTR	SNAP5361RTR	
White	SNAP5261W	SNAP5361W	SNAP5261WTR	SNAP5361WTR	



SNAP5362IA



SNAP5362LA-



SNAP5362L



SNAP5362GYLTRA

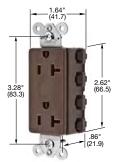


SNAP52611

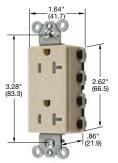




15 and 20 Ampere, 125 and 250 Volts



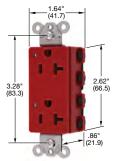
SNAP2162A



SNAP2162ITRA



SNAP2162GYL



SNAP2162RLTRA



SNAP5661LATR
Dimensions in Inches (mm)

SNAPConnect® Extra Heavy Duty Receptacles



15A 125V NEMA 5-15R UL CSA



20A 125V
NEMA 5-20I
UL CSA
1 HP

Extra Heavy Duty Receptacles		0.5 HP	1 HP
Style Line® Decorator	Color	Catalog Number	
Specification grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below.	Black Brown Gray Ivory Light Almond Red White	SNAP2152BKA SNAP2152A SNAP2152GYA SNAP2152IA SNAP2152LAA SNAP2152RA SNAP2152WA	SNAP2162BKA SNAP2162A SNAP2162GYA SNAP2162IA SNAP2162LAA SNAP2162RA SNAP2162WA
Specification grade, Style Line [®] decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	SNAP2152BKNA SNAP2152NA SNAP2152GYNA SNAP2152INA SNAP2152LANA SNAP2152RNA SNAP2152WNA	SNAP2162BKNA SNAP2162NA SNAP2162GYNA SNAP2162INA SNAP2162LANA SNAP2162RNA SNAP2162WNA
Specification grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black Blue Brown Gray Ivory Light Almond Red White	SNAP2152BKTRA SNAP2152BLTRA SNAP2152TRA SNAP2152GYTRA SNAP2152ITRA SNAP2152LATRA SNAP2152RTRA SNAP2152WTRA	SNAP2162BKTRA SNAP2162BLTRA SNAP2162TRA SNAP2162GYTRA SNAP2162ITRA SNAP2162LATRA SNAP2162RTRA SNAP2162WTRA
Specification grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black Blue Brown Gray Ivory Light Almond Red White	SNAP2152BKSCTRA SNAP2152BLSCTRA SNAP2152SCTRA SNAP2152GYSCTRA SNAP2152ISCTRA SNAP2152LASCTRA SNAP2152LASCTRA SNAP2152WSCTRA	SNAP2162BKSCTRA SNAP2162BLSCTRA SNAP2162SCTRA SNAP2162GYSCTRA SNAP2162ISCTRA SNAP2162LASCTRA SNAP2162RSCTRA SNAP2162WSCTRA
Isolated ground [∆] , Spec. grade, TR.	Orange	SNAP2152IGTRA	SNAP2162IGTRA
Spec. grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black Blue Brown Gray Ivory Light Almond Red White	SNAP2152BKL SNAP2152BLL SNAP2152L SNAP2152GYL SNAP2152IL SNAP2152LAL SNAP2152RL SNAP2152WL	SNAP2162BKL SNAP2162BLL SNAP2162L SNAP2162GYL SNAP2162IL SNAP2162LAL SNAP2162RL SNAP2162WL
lsolated ground [∆] , Spec. grade, with LED.	Orange	SNAP2152IGL	SNAP2162IGL
Specification grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA.	Black Blue Brown Gray Ivory Light Almond Red White	SNAP2152BKLTRA SNAP2152BLLTRA SNAP2152LTRA SNAP2152GYLTRA SNAP2152ILTRA SNAP2152LALTRA SNAP2152RLTRA SNAP2152WLTRA	SNAP2162BKLTRA SNAP2162BLLTRA SNAP2162LTRA SNAP2162GYLTRA SNAP2162ILTRA SNAP2162LALTRA SNAP2162RLTRA SNAP2162WLTRA
Isolated ground ^a , Spec. grade, TR with LED.	Orange	SNAP2152IGLTRA	SNAP2162IGLTRA

Note: $^\Delta \!$ See section N additional information on isolated ground devices.

See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.

See pages A-47 and A-48 for accessories.

See section O for wallplates.

SNAPConnect® 250V Extra Heavy Duty Standard Single Receptacles

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Description	Color	15A 250V	20A 250V
Spec. grade, single modular receptacle	Black	SNAP5661BKTR	SNAP5461BKTR
Tamper-Resistant, smooth nylon face.	Brown	SNAP5661BTR	SNAP5461BTR
Requires pigtailed connector on page A-13.	Gray	SNAP5661GYTR	SNAP5461GYTR
	lvory	SNAP5661ITR	SNAP5461ITR
	Light Almond	SNAP5661LATR	SNAP5461LATR
	White	SNAP5661WTR	SNAP5461WTR

15 and 20 Ampere, 125 Volts









SNAPConnect® GFCI LED Hospital Grade •

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI LED,	Black	-	SNAPGF83BLK
self-grounding staple, requires connector	Brown	-	SNAPGF83
below, sold separately.	Gray	-	SNAPGF83GRY
	lvory	SNAPGF82I	SNAPGF83I
	Light Almond	SNAPGF82LA	SNAPGF83LA
	Red	SNAPGF82R	SNAPGF83R
	White	SNAPGF82W	SNAPGF83W



SNAPGF83R

SNAPConnect® GFCI LED Hospital Grade • **Tamper and Weather Resistant**

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately.	Black Brown Gray Ivory Light Almond Red White	- SNAPGFTW82GRY SNAPGFTW82I SNAPGFTW82LA SNAPGFTW82R SNAPGFTW82W	SNAPGFTW83BLK SNAPGFTW83 SNAPGFTW83GRY SNAPGFTW83I SNAPGFTW83LA SNAPGFTW83R SNAPGFTW83W





Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.



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Description	Co
Hospital Grade SNAPConnect USB	Bla
Charger, Tamper-Resistant Style Line®	Bro
decorator duplex receptacle, 15 or	Gr
20 Amp, 125 Volt AC with one type A &	lvc
one type-C USB port, 3 Amp up to 9 Volt	Lig
USB output.	Re

Hospital Grade Duplex Receptacles

SNAPConnect® USB Charger

Catalog Number SNAP8200UACBK ack SNAP8200UAC own **SNAP8200UACGY** ray SNAP8200UACI ory ght Almond SNAP8200UACLA SNAP8200UACR be White SNAP8200UACW

SNAP8300UACBK SNAP8300UAC SNAP8300UACGY SNAP8300UACI SNAP8300UACLA SNAP8300UACR SNAP8300UACW

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neceptacie with Fower indica	ung LED	0.5 HP	1 HP
Description	Color	Catalog Number	
Hospital Grade SNAPConnect Surge supression, Tamper-Resistant, smooth face, duplex receptacle.	Blue Gray Ivory Light Almond Red White	SNAP8262S SNAP8262GYS SNAP8262IS SNAP8262LAS SNAP8262RS SNAP8262WS	SNAP8362S SNAP8362GYS SNAP8362IS SNAP8362LAS SNAP8362RS SNAP8362WS





SNAP8262S

SNAPConnect® Right Angle Pigtailed Connector

SNAP Connect Right Angle Figurieu Connector					
Description	Wire Type	General Use	Assembled in USA		
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.		SNAP1RA SNAP2RA	SNAP1RNA SNAP2RNA		
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid Stranded	SNAP1RAM2 SNAP2RAM2	SNAP1RNAM2 SNAP2RNAM2		

SNAP1RA

Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.

15 and 20 Ampere, 125 Volts



SNAPGF15GRY



SNAPGFTW20I



SNAP15UACLA



SNAP5262S



Dimensions in Inches (mm)









SNAPConnect® GFCI LED

Description	Color	Catalog Number	
SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	SNAPGF15BLK SNAPGF15 SNAPGF15GRY SNAPGF15I SNAPGF15LA SNAPGF15R SNAPGF15W	SNAPGF20BLK SNAPGF20 SNAPGF20GRY SNAPGF20I SNAPGF20LA SNAPGF20R SNAPGF20W

SNAPConnect® GFCI LED, **Tamper and Weather Resistant**

SNAPConnect® USB Charger,

Duplex Receptacles



Description	Color	Catalog Number	
SNAPConnect GFCI TR/WR,	Black	SNAPGFTW15BLK	SNAPGFTW20BLK
self-grounding staple, requires connector	Brown	SNAPGFTW15	SNAPGFTW20
below, sold separately. Add "NA" suffix	Gray	SNAPGFTW15GRY	SNAPGFTW20GRY
for devices Assembled in USA.	Ivory	SNAPGFTW15I	SNAPGFTW20I
	Light Almond	SNAPGFTW15LA	SNAPGFTW20LA
	Red	SNAPGFTW15R	SNAPGFTW20R
	White	SNAPGFTW15W	SNAPGFTW20W

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.









Description Color Catalog Number SNAPConnect USB Charger, Tamper-**SNAP15UACBK** SNAP20UACBK Black Resistant Style Line® decorator duplex **SNAP15UAC** SNAP20UAC Brown receptacle, 15 or 20 Amp, 125 Volt AC Gray **SNAP15UACGY SNAP20UACGY** SNAP15UACI SNAP20UACI with one type A & one type-C USB port, Ivory Light Almond 3 Amp up to 9 Volt USB output. **SNAP15UACLA** SNAP20UACLA **SNAP15UACW SNAP20UACW** White





20A 125V NEMA 5-20R UL CSA 1 HP



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Description	Color	Catalog Number	
SNAPConnect Surge supression, Tamper-Resistant, smooth face, duplex receptacle.	Blue	SNAP5262S	SNAP5362S
	Gray	SNAP5262GYS	SNAP5362GYS
	Ivory	SNAP5262IS	SNAP5362IS
	Light Almond	SNAP5262LAS	SNAP5362LAS
	White	SNAP5262WS	SNAP5362WS

SNAPConnect® Tester

Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals,	SNAPCTG
GFCI and standard receptacles.	

Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.

15 and 20 Ampere, 125 Volts





EdgeConnect[™] HBL[®] Extra Heavy Duty Max

Hospital	Grade	Recept	acles
Duplex			

Duplex	Color	Catalog Number	
Hospital Grade, Finder Groove Face,	Black	HBL8200STBK	HBL8300STBK
Spring Termination	Blue	HBL8200STBL	HBL8300STBL
	Brown	HBL8200ST	HBL8300ST
	Gray	HBL8200STGY	HBL8300STGY
	Green	HBL8200STGN	HBL8300STGN
	lvory	HBL8200STI	HBL8300STI
	Light Almond	HBL8200STLA	HBL8300STLA
	Orange	HBL8200STO	HBL8300STO
	Red	HBL8200STR	HBL8300STR
	White	HBL8200STW	HBL8300STW

EdgeConnect [™] Style Line® Decora	ator*		
Hospital Grade, Decorator, Spring Termination	Black Blue Brown Gray Green Ivory Light Almond Orange Red White	HBL2172STBK HBL2172STBL HBL2172STGY HBL2172STGN HBL2172STI HBL2172STLA HBL2172STLA HBL2172STO HBL2172STR HBL2172STR	HBL2182STBK HBL2182STBL HBL2182STGY HBL2182STGN HBL2182STI HBL2182STLA HBL2182STLA HBL2182STTO HBL2182STR HBL2182STR
Hospital Grade, Tamper-Resistant, Decorator, Spring Termination	Black Blue Brown Gray Green Ivory Light Almond Orange Red White	HBL2172STBKTR HBL2172STBLTR HBL2172STTR HBL2172STGYTR HBL2172STGNTR HBL2172STITR HBL2172STLATR HBL2172STOTR HBL2172STRTR HBL2172STRTR HBL2172STWTR	HBL2182STBKTR HBL2182STBLTR HBL2182STTR HBL2182STGYTR HBL2182STGNTR HBL2182STITR HBL2182STLATR HBL2182STOTR HBL2182STTR HBL2182STTR



Duplex	Color	Catalog Number	
Finder Groove Face,	Black	HBL5262STBK	HBL5362STBK
Spring Termination	Blue	HBL5262STBL	HBL5362STBL
	Brown	HBL5262ST	HBL5362ST
	Gray	HBL5262STGY	HBL5362STGY
	Green	HBL5262STGN	HBL5362STGN
	lvory	HBL5262STI	HBL5362STI
	Light Almond	HBL5262STLA	HBL5362STLA
	Orange	HBL5262STO	HBL5362STO
	Red	HBL5262STR	HBL5362STR
	White	HBL5262STW	HBL5362STW
Tamper-Resistant, Smooth Face,	Black	HBL5262STBKTR	HBL5362STBKTR
Spring Termination	Blue	HBL5262STBLTR	HBL5362STBLTR
	Brown	HBL5262STTR	HBL5362STTR
	Gray	HBL5262STGYTR	HBL5362STGYTR
	Green	HBL5262STGNTR	HBL5362STGNTR
	lvory	HBL5262STITR	HBL5362STITR
	Light Almond	HBL5262STLATR	HBL5362STLATR
	Orange	HBL5262STOTR	HBL5362STOTR
	Red	HBL5262STRTR	HBL5362STRTR
	White	HBL5262STWTR	HBL5362STWTR



HBL8200STBK



HBL2182STGY



HBL2172STOTR



HBL2182STRTR



15 and 20 Ampere, 125 and 250 Volts



HBL2152STBK



HBL2162STLA



HBL2152STGYTR



8200STGY



8300STTR

□G □ □W 15A 125V

15A 125V NEMA 5-15R UL CSA

HBL2152STWTR



20A 125V NEMA 5-20I UL CSA

HBL2162STWTR

Decorator,	Black	HBL2152STBK	HBL2162STBK
Spring Termination	Blue	HBL2152STBL	HBL2162STBL
	Brown	HBL2152ST	HBL2162ST
	Gray	HBL2152STGY	HBL2162STGY
	Green	HBL2152STGN	HBL2162STGN
	lvory	HBL2152STI	HBL2162STI
	Light Almond	HBL2152STLA	HBL2162STLA
	Orange	HBL2152STO	HBL2162STO
	Red	HBL2152STR	HBL2162STR
	White	HBL2152STW	HBL2162STW
ramper-Resistant, Decorator,	Black	HBL2152STBKTR	HBL2162STBKTR
Spring Termination	Blue	HBL2152STBLTR	HBL2162STBLTR
	Brown	HBL2152STTR	HBL2162STTR
AR.	Gray	HBL2152STGYTR	HBL2162STGYTR
	Green	HBL2152STGNTR	HBL2162STGNTR
	lvory	HBL2152STITR	HBL2162STITR
	Light Almond	HBL2152STLATR	HBL2162STLATR
	Orange	HBL2152STOTR	HBL2162STOTR
	Red	HBL2152STRTR	HBL2162STRTR

White

EdgeConnect[™] Hubbell-PRO Extra Heavy Duty Hospital Grade ■ Receptacles

EdgeConnect™ HBL® Extra Heavy Duty Max

Specification Grade Receptacles

Duplex	Color	Catalog Number	
Hospital Grade, Smooth Face, Spring Termination	Black Blue Brown Gray Green Ivory Light Almond Orange Red White	8200STBK 8200STBL 8200ST 8200STGY 8200STGN 8200STI 8200STLA 8200STD 8200STR 8200STR	8300STBK 8300STBL 8300STGY 8300STGN 8300STGN 8300STLA 8300STD 8300STR 8300STW
Hospital Grade, Tamper-Resistant, Smooth Face, Spring Termination	Black Blue Brown Gray Green Ivory Light Almond Orange Red White	8200STBKTR 8200STBLTR 8200STTR 8200STGYTR 8200STGNTR 8200STITR 8200STLATR 8200STOTR 8200STOTR 8200STRTR 8200STWTR	8300STBKTR 8300STBLTR 8300STTR 8300STGYTR 8300STGNTR 8300STITR 8300STLATR 8300STDTR 8300STRTR 8300STRTR

EdgeConnect[™] Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles

5252STBK	5352STBK	
5252STBL	5352STBL	
5252ST	5352ST	
5252STGY	5352STGY	
5252STGN	5352STGN	
5252STI	5352STI	
mond 5252STLA	5352STLA	
5252STO	5352STO	
5252STR	5352STR	
5252STW	5352STW	
	5252ST 5252STGY 5252STGN 5252STI mond 5252STLA 5252STO 5252STR	5252STBL 5352STBL 5252ST 5352ST 5252STGY 5352STGY 5252STGN 5352STGN 5252STI 5352STI mond 5252STLA 5352STLA 5252STO 5352STO 5252STR 5352STR

15 and 20 Ampere, 125 Volts

□G	□G
15A 125V NEMA 5-15R UL CSA	20A 125V NEMA 5-20R UL CSA 1 HP
	15A 125V NEMA 5-15R

Specification Grade Receptacles		UL CSA 0.5 HP	UL CSA 1 HP
Finder Groove face, duplex, spring termination	Black Blue Brown Gray Green Ivory Light Almond Orange Red White	5262STBK 5262STBL 5262ST 5262STGY 5262STGN 5262STI 5262STLA 5262STO 5262STR 5262STR	5362STBK 5362STBL 5362ST 5362STGY 5362STGN 5362STI 5362STLA 5362STO 5362STR 5362STW
Tamper-Resistant, smooth face, duplex, spring termination	Black Blue Brown Gray Green Ivory Light Almond Orange Red White	5262STBKTR 5262STBLTR 5262STTR 5262STGYTR 5262STGNTR 5262STITR 5262STLATR 5262STOTR 5262STOTR 5262STRTR 5262STWTR	5362STBKTR 5362STBLTR 5362STTR 5362STGYTR 5362STGNTR 5362STITR 5362STLATR 5362STOTR 5362STTR 5362STRTR

AR.	Gray Green Ivory Light Almond Orange Red White	5262STGYTR 5262STGNTR 5262STITR 5262STLATR 5262STOTR 5262STRTR 5262STWTR	5362STGYTR 5362STGNTR 5362STITR 5362STLATR 5362STOTR 5362STRTR 5362STWTR
EdgeConnect™ Commer	cial Specification Grad	de Receptacles	
Duplex	Color	Catalog Number	
Smooth face, duplex,	Black	BR15STBK	BR20STBK
spring termination	Blue	BR15STBL	BR20STBL

Duplex	Color	Catalog Number	
Smooth face, duplex,	Black	BR15STBK	BR20STBK
spring termination	Blue	BR15STBL	BR20STBL
	Brown	BR15ST	BR20ST
	Gray	BR15STGY	BR20STGY
	Green	BR15STGN	BR20STGN
	lvory	BR15STI	BR20STI
	Light Almond	BR15STLA	BR20STLA
	Orange	BR15STO	BR20STO
	Red	BR15STR	BR20STR
	White	BR15STW	BR20STW
Tamper-Resistant,	Black	BR15STBKTR	BR20STBKTR
smooth face, duplex,	Blue	BR15STBLTR	BR20STBLTR
spring termination	Brown	BR15STTR	BR20STTR
	Gray	BR15STGYTR	BR20STGYTR
200	Green	BR15STGNTR	BR20STGNTR
	lvory	BR15STITR	BR20STITR
	Light Almond	BR15STLATR	BR20STLATR
	Orange	BR15STOTR	BR20STOTR
	Red	BR15STRTR	BR20STRTR
	\\/hita	DD4ECTWTD	DDMCTWTD

	Gray Green Ivory Light Almond Orange Red White	BR15STGYTR BR15STGNTR BR15STITR BR15STLATR BR15STOTR BR15STRTR BR15STWTR	BR20STGYTR BR20STGNTR BR20STITR BR20STLATR BR20STOTR BR20STRTR BR20STWTR
EdgeConnect [™] Style Line® D	ecorator*		
Style Line® decorator duplex, spring termination	Black Blue Brown Gray Green Ivory Light Almond Orange Red White	DR15STBK DR15STBL DR15ST DR15STGY DR15STGN DR15STI DR15STLA DR15STO DR15STR DR15STR	DR20STBK DR20STBL DR20STGY DR20STGN DR20STI DR20STLA DR20STC DR20STR DR20STR DR20STR
Tamper-Resistant, Style Line® decorator duplex, spring termination	Black Blue Brown Gray Green Ivory Light Almond Orange Red White	DR15STBKTR DR15STBLTR DR15STTR DR15STGYTR DR15STGNTR DR15STITR DR15STLATR DR15STOTR DR15STRTR DR15STRTR DR15STRTR	DR20STBKTR DR20STBLTR DR20STTR DR20STGYTR DR20STGNTR DR20STITR DR20STLATR DR20STOTR DR20STTR DR20STTR



5362STI



5362STWTR



BR20STGY



BR20STWTR



DR20STW

15 and 20 Ampere, 125 Volts



Black

Blue

Gray

Ivory Light Almond

Red

BI

Black

Blue

Gray

Green Ivory

Orange

Red

White Black

Blue

Gray

Ivory

Brown

Green

Orange

White

Light Almond

Light Almond

Brown

White

Green

Orange

Brown





EdgeConnect™ HBL® Extra Heavy Duty Specification Grade Receptacles

Weather Resistant, Finder Groove Face, Spring Termination



HBL5262STBKWR HBL5362STBKWR HBL5262STBLWR HBL5362STBLWR HBL5262STWR HBL5362STWR HBL5262STGYWR HBL5362STGYWR HBL5262STGNWR HBL5362STGNWR HBL5262STIWR HBL5362STIWR HBL5262STLAWR HBL5362STLAWR HBL5262STOWR HBL5362STOWR HBL5262STRWR HBL5362STRWR HBL5262STWWR HBL5362STWWR

HBL5262STWWR

EdgeConnect™ Hubbell-PRO Extra Heavy Duty **Specification Grade Receptacles**

Weather Resistant, Finder Groove face, duplex, spring termination



Black	5262STBKWR	5362STBKWR
Blue	5262STBLWR	5362STBLWR
Brown	5262STWR	5362STWR
Gray	5262STGYWR	5362STGYWR
Green	5262STGNWR	5362STGNWR
lvory	5262STIWR	5362STIWR
Light Almond	5262STLAWR	5362STLAWR
Orange	5262STOWR	5362STOWR
Red	5262STRWR	5362STRWR
White	5262STWWR	5362STWWR



DR20STWWR

EdgeConnect™ Commercial **Specification Grade Receptacles**

Weather Resistant, Smooth face, duplex, spring termination

Weather Resistant,



BR15STBKWR	BR20STBKWR
BR15STBLWR	BR20STBLWR
BR15STWR	BR20STWR
BR15STGYWR	BR20STGYWR
BR15STGNWR	BR20STGNWR
BR15STIWR	BR20STIWR
BR15STLAWR	BR20STLAWR
BR15STOWR	BR20STOWR
BR15STRWR	BR20STRWR

BR20STWWR

BR20STWRTR

BR20STBKWRTR

BR20STBLWRTR

BR20STGYWRTR

BR20STGNWRTR

BR20STLAWRTR

BR20STIWRTR



Tamper-Resistant, smooth face, duplex, spring termination







DR15STIWRTR

BR15STGYWR

WR	Red White
Weather Resistant, Style Line® decorator duplex, spring termination	Black Blue Brown Gray Green Ivory Light Almond Orange Red White

	VVIIILO
Weather Resistant,	Black
Tamper-Resistant,	Blue
Style Line® decorator duplex,	Brown
spring termination	Gray
	Green
	lvory
∕†R	Light Almond
2700	Orange
WR	Red

В В В В **BR15STWWR BR15STBKWRTR BR15STBLWRTR BR15STWRTR BR15STGYWRTR BR15STGNWRTR BR15STIWRTR BR15STLAWRTR BR15STOWRTR**

BR20STOWRTR BR15STRWRTR BR20STRWRTR BR15STWWRTR BR20STWWRTR DR20STBKWR DR15STBKWR **DR15STBLWR DR20STBLWR** DR15STWR **DR20STWR** DR15STGYWR **DR20STGYWR DR15STGNWR DR20STGNWR** DR15STIWR DR20STIWR **DR15STLAWR DR20STLAWR** DR15STOWR DR20STOWR DR15STRWR DR20STRWR

DR20STWWR DR15STWWR DR15STBKWRTR DR20STBKWRTR DR15STBLWRTR DR20STBLWRTR **DR15STWRTR DR20STWRTR** DR15STGYWRTR DR20STGYWRTR **DR15STGNWRTR DR20STGNWRTR** DR15STIWRTR DR20STIWRTR **DR15STLAWRTR DR20STLAWRTR** DR15STOWRTR **DR20STOWRTR** DR15STRWRTR **DR20STRWRTR DR20STWWRTR** DR15STWWRTR





15 and 20 Ampere, 125 Volts



Color

Duplex



One Controlled Face Split Circuit Hot Tab

20 Amp







- O Permanent power symbol remains clearly visible after installation
- 🖒 Control both outlets per device for 100% controlled applications or iust one outlet for 50% controlled applications
- (b) Ideal for commercial buildings, retail, schools, hotel rooms
- O Part of the Hubbell Load:Logic® Plug Control system

Two Controlled Faces

20 Amp

15 Amp

SNAPConnect® Permanently Marked Receptacles

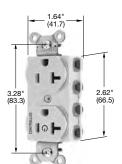
15 Amp

- apiox	00101	1074119	2074119	10711119	Lorunp
SNAPConnect®	Black	SNAP5262C1BK	SNAP5362C1BK	SNAP5262C2BK	SNAP5362C2BK
standard duplex,	Blue	SNAP5262C1BL	SNAP5362C1BL	SNAP5262C2BL	SNAP5362C2BL
permanently	Brown	SNAP5262C1	SNAP5362C1	SNAP5262C2	SNAP5362C2
marked for use	Gray	SNAP5262C1GY	SNAP5362C1GY	SNAP5262C2GY	SNAP5362C2GY
with automatic	Green	SNAP5262C1GN	SNAP5362C1GN	SNAP5262C2GN	SNAP5362C2GN
plugload controls.	lvory	SNAP5262C1I	SNAP5362C1I	SNAP5262C2I	SNAP5362C2I
1 0	Lt. Almond	SNAP5262C1LA	SNAP5362C1LA	SNAP5262C2LA	SNAP5362C2LA
	Red	SNAP5262C1R	SNAP5362C1R	SNAP5262C2R	SNAP5362C2R
	White	SNAP5262C1W	SNAP5362C1W	SNAP5262C2W	SNAP5362C2W
SNAPConnect®	Black	SNAP5262C1BKTRA	SNAP5362C1BKTRA	SNAP5262C2BKTRA	SNAP5362C2BKTRA
Tamper-Resistant	Brown	SNAP5262C1TRA	SNAP5362C1TRA	SNAP5262C2TRA	SNAP5362C2TRA
standard duplex,	Gray	SNAP5262C1GYTRA	SNAP5362C1GYTRA	SNAP5262C2GYTRA	SNAP5362C2GYTRA
permanently	Green	SNAP5262C1GNTRA	SNAP5362C1GNTRA	SNAP5262C2GNTRA	SNAP5362C2GNTRA
marked for use	Ivory	SNAP5262C1ITRA	SNAP5362C1ITRA	SNAP5262C2ITRA	SNAP5362C2ITRA
with automatic	Lt. Álmond	SNAP5262C1LATRA	SNAP5362C1LATRA	SNAP5262C2LATRA	SNAP5362C2LATRA
plugload controls.	White	SNAP5262C1WTRA	SNAP5362C1WTRA	SNAP5262C2WTRA	SNAP5362C2WTRA
Style Line® D		•			 -
SNAPConnect®	Black	SNAP2152C1BK	SNAP2162C1BK	SNAP2152C2BK	SNAP2162C2BK
decorator duplex,	Blue	SNAP2152C1BL	SNAP2162C1BL	SNAP2152C2BL	SNAP2162C2BL
permanently	Brown	SNAP2152C1	SNAP2162C1	SNAP2152C2	SNAP2162C2
marked for use	Gray	SNAP2152C1GY	SNAP2162C1GY	SNAP2152C2GY	SNAP2162C2GY
with automatic	Green	SNAP2152C1GN	SNAP2162C1GN	SNAP2152C2GN	SNAP2162C2GN
plugload controls.		SNAP2152C1I	SNAP2162C1I	SNAP2152C2I	SNAP2162C2I
		SNAP2152C1LA	SNAP2162C1LA	SNAP2152C2LA	SNAP2162C2LA
	Red	SNAP2152C1R	SNAP2162C1R	SNAP2152C2R	SNAP2162C2R
	White	SNAP2152C1W	SNAP2162C1W	SNAP2152C2W	SNAP2162C2W
SNAPConnect®	Black		SNAP2162C1BKTRA	SNAP2152C2BKTRA	SNAP2162C2BKTRA
Tamper-Resistant		SNAP2152C1TRA	SNAP2162C1TRA	SNAP2152C2TRA	SNAP2162C2TRA
decorator duplex,	Gray		SNAP2162C1GYTRA		SNAP2162C2GYTRA
permanently	Green		SNAP2162C1GNTRA		SNAP2162C2GNTRA
marked for use	lvory	SNAP2152C1ITRA	SNAP2162C1ITRA	SNAP2152C2ITRA	SNAP2162C2ITRA
with automatic		SNAP2152C1LATRA		SNAP2152C2LATRA	SNAP2162C2LATRA
plugload controls.	White	SNAP2152C1WTRA	SNAP2162C1WTRA	SNAP2152C2WTRA	SNAP2162C2WTRA

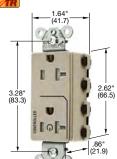
SNAPConnect® Right Angle Pigtailed Connector

OITAL COMMECT HIGHT Angle I Igranica Connector		
Description	Solid Wire	Stranded Wire
Clear right angle terminal with 6 inch leads, 600V, #12 AWG	SNAP1RA	SNAP2RA
THHN/THWN-2; Polycarbonate housing material.		

Permanent Controlled Receptacie Label					
Description	Catalog Number				
For use in retrofit applications where indication of a controlled receptacle is required.	CL60				
This label is UL approved for marking and labeling, 60 labels of each per pack.					



SNAP5362C1W



SNAP2162C1ITRA





SNAP1RA



15 and 20 Ampere, 125 Volts



Industrial Grade, Permanently Marked Tamper-Resistant Receptacles



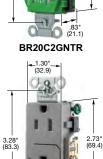
		One Controlled Face Split Circuit Hot Tab		Two Conti	rolled Faces
Duplex	Color	15 Amp	20 Amp	15 Amp	20 Amp
Smooth nylon face, duplex, permanently	Black Blue		HBL5362C1BLKTR HBL5362C1BLTR		HBL5362C2BLKTR HBL5362C2BLTR
marked for use with automatic outlet	Brown Gray	HBL5262C1TR	HBL5362C1TR HBL5362C1GRYTR	HBL5262C2TR	HBL5362C2TR HBL5362C2GRYTR
control systems,	lvory	HBL5262C1ITR	HBL5362C1ITR	HBL5262C2ITR	HBL5362C2ITR
back and side wired.	Lt. Almond Red	HBL5262C1LATR HBL5262C1RTR	HBL5362C1LATR HBL5362C1RTR		HBL5362C2LATR HBL5362C2RTR
	White	HBL5262C1WHITR	HBL5362C1WHITR	HBL5262C2WHITR	HBL5362C2WHITR

HBL5362C2BLKTR



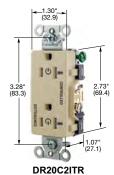
BR15C1LA





DR15C1GRY

1.07" (27.1)



Permanently Marked Receptacles

		One Controlled Face Split Circuit Hot Tab		Two Controlled Faces	
Duplex	Color	15 Amp	20 Amp	15 Amp	20 Amp
Smooth polycarbonate face, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black Blue Brown Gray Green Ivory Lt. Almond Red White	BR15C1BLK BR15C1BL BR15C1 BR15C1GRY BR15C1GN BR15C1I BR15C1LA BR15C1R BR15C1WHI	BR20C1BLK BR20C1BL BR20C1 BR20C1GRY BR20C1GN BR20C1I BR20C1LA BR20C1R BR20C1WHI	BR15C2BLK BR15C2BL BR15C2 BR15C2GRY BR15C2GN BR15C2I BR15C2LA BR15C2R BR15C2WHI	BR20C2BLK BR20C2BL BR20C2 BR20C2GRY BR20C2GN BR20C2I BR20C2LA BR20C2R BR20C2H
Smooth polycarbonate face, Tamper-Resistant, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black Blue Brown Gray Green Ivory Lt. Almond Red White	BR15C1BLKTR BR15C1BLTR BR15C1TR BR15C1GRYTR BR15C1GNTR BR15C1ITR BR15C1LATR BR15C1LATR BR15C1WHITR	BR20C1BLKTR BR20C1BLTR BR20C1TR BR20C1GRYTR BR20C1GNTR BR20C1ITR BR20C1LATR BR20C1RTR BR20C1WHITR	BR15C2BLKTR BR15C2BLTR BR15C2TR BR15C2GRYTR BR15C2GNTR BR15C2ITR BR15C2LATR BR15C2LATR BR15C2RTR BR15C2WHITR	BR20C2BLKTR BR20C2BLTR BR20C2TR BR20C2GRYTR BR20C2GNTR BR20C2ITR BR20C2LATR BR20C2RTR BR20C2WHITR
Style Line® Deco	rator				
Smooth polycarbonate face, decorator duplex, permanently marked for		DR15C1BLK DR15C1BL DR15C1	DR20C1BLK DR20C1BL DR20C1	DR15C2BLK DR15C2BL DR15C2	DR20C2BLK DR20C2BL DR20C2

use with automatic outlet Green

control systems, back

and side wired.

Smooth polycarbonate face, decorator duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Blue Brown	DR15C1BLK DR15C1BL DR15C1 DR15C1GRY DR15C1GN DR15C1I DR15C1LA DR15C1R DR15C1WHI	DR20C1BLK DR20C1BL DR20C1 DR20C1GRY DR20C1GN DR20C1I DR20C1LA DR20C1R DR20C1WHI	DR15C2BLK DR15C2BL DR15C2 DR15C2GRY DR15C2GN DR15C2I DR15C2LA DR15C2R DR15C2R	DR20C2BLK DR20C2BL DR20C2 DR20C2GRY DR20C2GN DR20C2I DR20C2LA DR20C2R DR20C2R
Smooth polycarbonate face, Tamper-Resistant, decorator duplex, permanently marked for	Brown	DR15C1BLKTR DR15C1BLTR DR15C1TR DR15C1GRYTR	DR20C1BLKTR DR20C1BLTR DR20C1TR DR20C1GRYTR	DR15C2BLKTR DR15C2BLTR DR15C2TR DR15C2GRYTR	DR20C2BLKTR DR20C2BLTR DR20C2TR DR20C2GRYTR

DR20C1GNTR

DR20C1LATR

DR20C1WHITR

DR20C1RTR

DR20C1ITR

DR15C1GNTR

DR15C1LATR

DR15C1WHITR

DR15C1RTR

DR15C1ITR

Permanent Controlled Receptacle Label

Ivorv

Red

White

Lt. Almond

remailent Controlled Neceptacle Laber						
Description	Catalog Number					
For use in retrofit applications where indication of a controlled receptacle is required. This label is UL approved for marking and labeling. 60 labels of each per pack.	CL60					

Dimensions in Inches (mm)

DR15C2GNTR

DR15C2LATR

DR15C2WHITR

DR15C2RTR

DR15C2ITR

DR20C2GNTR

DR20C2LATR

DR20C2WHITR

DR20C2RTR

DR20C2ITR

Features and Benefits

Switched Receptacles for Automatic Receptacle Control

The Load Control Switched Duplex Receptacle is the latest addition to Hubbell Wiring Device-Kellems' comprehensive offering for automatic receptacle control requirements. Featuring Hubbell's exclusive and patented tamper-resistant mechanism as standard, the unit is capable of controlling other receptacles downstream in the branch circuit.

Hubbell offers this innovative device in wired and wireless options, which are both fully compatible with existing systems. This allows for easy additions and changes to meet current energy codes and standards in current facilities.

Common Features

- Half Controlled or Fully Controlled 15A or 20A Options
- Hubbell's Exclusive Tamper-Resistant Mechanism
- Downstream Branch Circuit Control
- Brass Strap
- Permanent NEC 406.3 (E) Markings
- UL498B SA Listed Receptacles with Integral Switching Comply with Supplement SA
- Fed Spec W596G
- Hospital Grade Series Available



Wired Switched Receptacles

 The wired series is designed to be automatically controlled by a low voltage signal from either occupancy sensors, or any other type of control device capable of performing this task, such as a time-of-day control device





Wireless Switched Receptacles

 The Clear Connect[™] enabled wireless series is a wireless receiver that is controlled by the corresponding occupancy sensor



		15A		20A	
Description	Color	Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Auto ON/Auto OFF control. Capable of	Black Brown	HBL5262LC1BK HBL5262LC1	HBL5262LC2BK HBL5262LC2	HBL5362LC1BK HBL5362LC1	HBL5362LC2BK HBL5362LC2
controlling additional receptacles downstream.	GIOOII	HBL5262LC1GY HBL5262LC1GN	HBL5262LC2GY HBL5262LC2GN	HBL5362LC1GY HBL5362LC1GN	HBL5362LC2GY HBL5362LC2GN
	Ivory Lt. Almond White	HBL5262LC1I HBL5262LC1LA HBL5262LC1W	HBL5262LC2I HBL5262LC2LA HBL5262LC2W	HBL5362LC1I HBL5362LC1LA HBL5362LC1W	HBL5362LC2I HBL5362LC2LA HBL5362LC2W

Note: See Section E, page E-31 for technical information. Special order for hospital grade devices.



HBL5362LC2LA

Wireless Switched Receptacles for Automatic Receptacle Control

		15A		20A	
Description	Color	Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Wireless receiver Auto	Black	HBL5262RFC1BK	HBL5262RFC2BK	HBL5362RFC1BK	HBL5362RFC2BK
ON/Auto OFF. Capable	Brown	HBL5262RFC1	HBL5262RFC2	HBL5362RFC1	HBL5362RFC2
of controlling additional	Gray	HBL5262RFC1GY	HBL5262RFC2GY	HBL5362RFC1GY	HBL5362RFC2GY
receptacles downstream.	Green	HBL5262RFC1GN	HBL5262RFC2GN	HBL5362RFC1GN	HBL5362RFC2GN
	lvory	HBL5262RFC1I	HBL5262RFC2I	HBL5362RFC1I	HBL5362RFC2I
	Lt. Almond	HBL5262RFC1LA	HBL5262RFC2LA	HBL5362RFC1LA	HBL5362RFC2LA
	White	HBL5262RFC1W	HBL5262RFC2W	HBL5362RFC1W	HBL5362RFC2W

Note: See Section E, page E-31 for technical information. Special order for hospital grade devices.



HBL5362RFC1GY





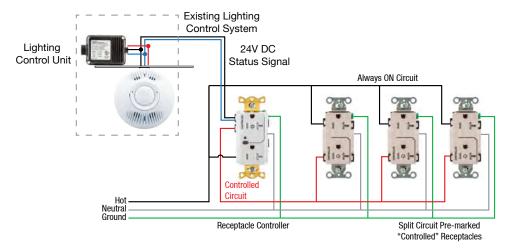




New Codes and Standards mandates that 50% of all receptacles in private offices, open offices and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Find out more design resources at www.hubbell-wiring.com/energy.aspx

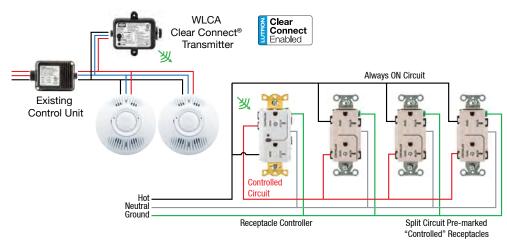
Wired

Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify Hubbell's new load control receptacle to meet this requirement. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.



Wireless

Wireless communication takes complexity out of retrofit and difficult installations by eliminating low voltage wires running between lighting and receptacle control units. This gives installers flexibility to quickly deploy, add additional devices, and configure and re-configure the system as needed. Hubbell's WL series controls utilize Clear Connect® communication and are compatible with other Clear Connect® devices, such as Hubbell's wireless occupancy sensors.



Codes and Standards



ASHRAE Standard 90.1 2019

Standard 90.1 requires that at least 50 percent of all 125V, 15A and 20A receptacles in private offices, open offices and classrooms be controlled by an automatic control device. Controlled receptacles need to be marked to differentiate them from non-controlled receptacles.

California Title 24 Building Energy Efficiency Standards 2019

Section 130.5(d) of California Energy Commission Title 24, Part 6 - 2019 code requires receptacles to have automatic shutoff controls in certain spaces in all buildings.

24

2020 National Electrical Code®



NEC® Section 406.3(E) requires that all nonlocking, 125 V, 15A and 20A receptacles controlled by an automatic control device or by an automatic energy management system must be marked with the b symbol and the word "CONTROLLED".

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Color





15 and 20 Ampere, 125 Volts





Hubbell-PRO Extra Heavy Duty Hospital Grade Receptacles

Duplex

15A 125V NEMA 5-15R UL CSA 0.5 HP

Catalog Number

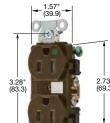
20A 125V
NEMA 5-20F
UL CSA
4 110

One Controlled Face Two Controlled Faces

Hospital grade and hospital grade controlled, smooth nylon face, back and side wired. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	8200BK 8200 8200GY 8200IV 8200LA 8200RED 8200WHI	8300BK 8300 8300GY 8300IV 8300LA 8300RED 8300WHI	- - - 8300C1IV 8300C1LA 8300C1RED 8300C1WHI	- - 8300C2IV 8300C2LA 8300C2RED 8300C2WHI
Hospital grade, Tamper-Resistant, smooth nylon face, back and side wired. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	8200BKTRA 8200TRA 8200GYTRA 8200IVTRA 8200LATRA 8200REDTRA 8200WTRA	8300BKTRA 8300TRA 8300GYTRA 8300IVTRA 8300LATRA 8300REDTR 8300WTRA		
Hospital grade, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	8200BKL 8200L 8200GYL 8200IVL 8200LAL 8200REDL 8200WL	8300BKL 8300L 8300GYL 8300IVL 8300LALM 8300REDL 8300WL		
Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	8200BKLTRA 8200LTRA 8200GYLTRA 8200IVLTRA 8200LALTRA 8200REDLTRA 8200WLTRA	8300BKLTR. 8300LTRA 8300GYLTR. 8300IVLTRA 8300LALTR. 8300REDLTI 8300WLTRA	A A RA	
Style Line® Decorate	or				
Hospital grade, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	2172BK 2172 2172GY 2172IV 2172LA 2172RED 2172W	2182BK 2182 2182GY 2182IV 2182LA 2182RED 2182W		
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	2172BKTRA 2172TRA 2172GYTRA 2172IVTRA 2172LATRA 2172REDTRA 2172WTRA	2182BKTRA 2182TRA 2182GYTRA 2182IVTRA 2182LATRA 2182REDTR 2182WTRA		
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	2172BKL 2172L 2172GYL 2172IVL 2172LAL 2172REDL 2172WL	2182BKL 2182L 2182GYL 2182IVL 2182LAL 2182REDL 2182WL		
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA. Note: See pages A-47 and A-44	Black Brown Gray Ivory Light Almond Red White	2172BKLTRA 2172LTRA 2172GYLTRA 2172IVLTRA 2172LALTRA 2172REDLTRA 2172WLTRA	2182BKLTR. 2182LTRA 2182GYLTR. 2182IVLTRA 2182LALTR. 2182REDLTI 2182WLTRA	A A RA	



8200WHI







8200TRA

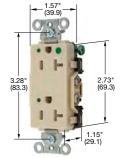


8200REDLTRA



2172LATRA

PWR



2182IVLTRA

See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.

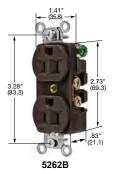
See section O for wallplates.





15 and 20 Ampere, 125 and 250 Volts

Hubbell-PRO Extra Heavy Duty

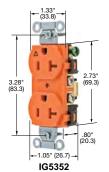


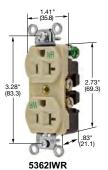


.83° (21.1

5252AI

3.28"







Dimensions in Inches (mm)





A 125V IA 5-15R L CSA

Specification Grade Receptacles		0.5 HP	1 HP	
Duplex	Color	Catalog Number		
Smooth polycarbonate face,	Black	5252BK	5352BK	
duplex, back and side wired.	Brown	5252B	5352B	
Assembled in USA.	Gray	5252G	5352G	
	lvory	52521	5352I	
	Light Almond	5252LA	5352LA	
	Red	5252R	5352R	
	White	5252W	5352W	
Finder groove polycarbonate face,	Black	5262BLK	5362BLK	
duplex, back and side wired.	Blue	5262BL	5362BL	
Assembled in USA.	Brown	5262B	5362B	
	Gray	5262G	5362G	
	lvory	52621	5362I	
	Light Almond	5262LA	5362LA	
	Red	5262R	5362R	
	White	5262W	5362W	

Hubbell-PRO Heavy Duty Specification Grade Receptacles

			Standard	d Duplex	Isolated C	Ground [∆]
			15A 125V	20A 125V	15A 125V	20A 125V
	Duplex	Color	NEMA 5-15R	NEMA 5-20R	NEMA 5-15R	NEMA 5-20R
	Smooth polycarbonate face,	Black	5252ABLK	5352ABLK	_	_
	duplex, back and	Brown	5252AB	5352AB	_	_
	side wired.	Gray	5252AG	5352AG	IG5252GY	IG5352GY
		lvory	5252AI	5352AI	IG5252I	IG5352I
		Light Almond	5252ALA	5352ALA	IG5252LA	IG5352LA
		Orange	-	-	IG5252	IG5352
		Red	5252AR	5352AR	-	_
		White	5252AW	5352AW	IG5252W	IG5352W
2	Smooth polycarbonate face,	Black	5252BLKTR	5352BLKTR	_	_
1	Tamper-Resistant, duplex,	Brown	5252BTR	5352BTR	_	_
	back and side wired.	Gray	5252GTR	5352GTR	-	_
		lvory	5252ITR	5352ITR	IG5252ITR	IG5352ITR
		Light Almond	5252LATR	5352LATR	-	_
		Orange	_	_	IG5252TR	IG5352TR
		Red	5252RTR	5352RTR	_	_
		White	5252WTR	5352WTR	IG5252WTR	IG5352WTR
	Finder groove polycarbonate	Black	5262ABLK	5362ABLK	CR5252IGBK	CR5352IGBK
	face, duplex, back and	Blue	5262ABL	5362ABL	-	CR5352IGBL
	side wired.	Brown	5262AB	5362AB	-	_
		Gray	5262AG	5362AG	CR5252IGGY	CR5352IGGY
		lvory	5262AI	5362AI	CR5252IGI	CR5352IGI
		Light Almond	5262ALA	5362ALA	_	_
		Orange	_	_	CR5252IG	CR5352IG
		Red	5262AR	5362AR	-	_
_		White	5262AW	5362AW	CR5252IGW	CR5352IGW
	Weather resistant,	Black	5262BKWR	5362BKWR	_	_
•	Finder groove nylon face,	Brown	5262WR	5362WR	-	_
	duplex, back and	Gray	5262GYWR	5362GYWR	_	_
	side wired.	lvory	5262IWR	5362IWR	_	_
		White	5262WWR	5362WWR	_	-

Note: ^ASee section N for additional information on isolated ground devices. See page A-47 for accessories and section O for wallplates. See page Tech-10 for Tamper and Weather Resistant descriptions. Horsepower ratings listed above are AC only.





Hubbell-PRO 250V Heavy Duty Specification Grade Receptacles

Description	Color	Catalog Number		
Smooth nylon face, duplex,	Black	5662BK	5462BK	
back and side wired.	Blue	5662BL	5462BL	
	Brown	5662B	5462B	
	Gray	5662GY	5462GY	
	Green	5662GN	5462GN	
	Ivory	5662IV	5462IV	
	Light Almond	5662LA	5462LA	
	Red	5662R	5462R	
	\M/hito	5662WHI	5/62WHI	









Commercial **Specification Grade Receptacles**

Duplex	Color	Catalog Number	
Smooth polycarbonate face, duplex, side wired only.	Black Brown Gray Ivory Light Almond White	CR15BLK CR15 CR15GRY CR15I CR15LA CR15WHI	CR20BLK CR20 CR20GRY CR20I CR20LA CR20WHI
Tamper-Resistant, smooth polycarbonate face, duplex, side wired only.	Black Brown Gray Ivory Light Almond White	CR15BLKTR CR15TR CR15GRYTR CR15ITR CR15LATR CR15WHITR	CR20BLKTR CR20TR CR20GRYTR CR20ITR CR20LATR CR20WHITR
Finder groove, polycarbonate face, duplex, side wired only.	Black Brown Gray Ivory Light Almond White	– CRF15 CRF15GRY CRF15I CRF15LA CRF15WHI	CRF20BLK CRF20 CRF20GRY CRF20I CRF20LA CRF20WHI
Pre-wired receptacles, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" solid wire leads.	Black Brown Gray Ivory Light Almond White	CR15BLKP1 CR15P1 CR15GRYP1 CR15IP1 CR15LAP1 CR15WHIP1	CR20BLKP1 CR20P1 CR20GRYP1 CR20IP1 CR20LAP1 CR20WHIP1
Pre-wired receptacles, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" stranded wire leads.	Black Brown Gray Ivory Light Almond White	CR15BLKP2 CR15P2 CR15GRYP2 CR15IP2 CR15LAP2 CR15WHIP2	CR20BLKP2 CR20P2 CR20GRYP2 CR20IP2 CR20LAP2 CR20WHIP2
Pre-wired receptacles, Tamper-Resistant, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" solid wire leads.	Black Brown Gray Ivory Light Almond White	CR15BLKTRP1 CR15TRP1 CR15GRYTRP1 CR15ITRP1 CR15LATRP1 CR15WHITRP1	CR20BLKTRP1 CR20TRP1 CR20GRYTRP1 CR20ITRP1 CR20LATRP1 CR20WHITRP1
Pre-wired receptacles, Tamper-Resistant, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" stranded wire leads.	Black Brown Gray Ivory Light Almond White	CR15BLKTRP2 CR15TRP2 CR15GRYTRP2 CR15ITRP2 CR15LATRP2 CR15WHITRP2	CR20BLKTRP2 CR20TRP2 CR20GRYTRP2 CR20ITRP2 CR20LATRP2 CR20WHITRP2







CR15I

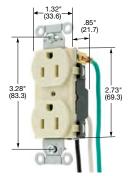
CR15TR











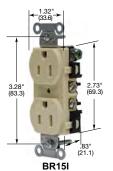
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Note: See page A-47 for accessories.

See page Tech-10 for Tamper-Resistant descriptions. See section O for wallplates.



15 and 20 Ampere, 125 Volts





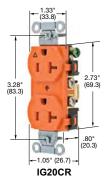
BR20TR



BR15IWR



BR20WRTR



Specification Grade Receptacles

Duplex

Smooth polygophanete face, dupley

Commercial





Duplex	Color	Catalog Number	
Smooth polycarbonate face, duplex, back and side wired.	Black Blue Brown Gray Green Ivory Light Almond Red White	BR15BLK BR15BL BR15 BR15GRY BR15GN BR15I BR15LA BR15R BR15WHI	BR20BLK BR20BL BR20 BR20GRY BR20GN BR20I BR20LA BR20R BR20WHI
Tamper-Resistant, smooth polycarbonate face, duplex, back and side wired.	Black Blue Brown Gray Green Ivory Light Almond Red White	BR15BLKTR BR15BLTR BR15TR BR15GRYTR BR15GNTR BR15ITR BR15LATR BR15RTR BR15WHITR	BR20BLKTR BR20BLTR BR20TR BR20GRYTR BR20GNTR BR20ITR BR20LATR BR20RTR BR20RTR
Weather Resistant, smooth polycarbonate face, duplex, back and side wired.	Black Brown Gray Ivory Light Almond White	BR15BLKWR BR15WR BR15GRYWR BR15IWR BR15LAWR BR15WHIWR	BR20BLKWR BR20WR BR20GRYWR BR20IWR BR20LAWR BR20WHIWR
Weather and Tamper-Resistant, smooth polycarbonate face, duplex, back and side wired.	Black Brown Gray Ivory Light Almond White	BR15BLKWRTR BR15WRTR BR15GRYWRTR BR15IWRTR BR15LAWRTR BR15WHIWRTR	BR20BLKWRTR BR20WRTR BR20GRYWRTR BR20IWRTR BR20LAWRTR BR20WHIWRTR
Isolated ground ^A , smooth nylon face, duplex, side wired only.	Gray Ivory Light Almond Orange White	IG15CRGRY IG15CRI IG15CRLA IG15CR IG15CRWHI	IG20CRGRY IG20CRI IG20CRLA IG20CR IG20CRWHI
Isolated ground ^A , Style Line [®] decorator*, smooth nylon face, duplex, back and side wired.	Gray Ivory Light Almond Orange White	IG15DRGRY IG15DRI IG15DRLA IG15DR –	IG20DRGRY IG20DRI IG20DRLA IG20DR IG20DRWHI

Note: ^ASee section N for additional information on isolated ground devices. See page A-47 for accessories

See page A-47 for accessories. See page Tech-10 for Tamper and Weather Resistant descriptions. See section O for wallplates.



15 and 20 Ampere, 125 Volts





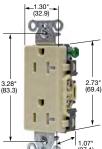
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Commercial Specification Grade Recept	tacles	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Style Line® Decorator	Color	Catalog Number	
Smooth polycarbonate face, Style Line [®] decorator duplex, back and side wired.	Black Brown Gray Green Ivory Light Almond Red White	DR15BLK DR15 DR15GRY DR15GN DR15I DR15LA DR15R DR15WHI	DR20BLK DR20 DR20GRY DR20GN DR20I DR20LA DR20R DR20WHI
Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired.	Black Brown Gray Green Ivory Light Almond White	DR15BLKTR DR15TR DR15GRYTR DR15GNTR DR15ITR DR15LATR DR15WHITR	DR20BLKTR DR20TR DR20GRYTR DR20GNTR DR20ITR DR20LATR DR20WHITR
Weather and Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired.	Black Brown Gray Ivory Light Almond White	DR15BLKWRTR DR15WRTR DR15GRYWRTR DR15IWRTR DR15LAWRTR DR15WHIWRTR	DR20BLKWRTR DR20WRTR DR20GRYWRTR DR20IWRTR DR20LAWRTR DR20LAWRTR
Dra wired receptables	Dlook	DD4EDL VD4	DD 20DL KD4

back and side wheel.	Ivory Light Almond White	DR15ITR DR15LATR DR15WHITR	DR20GNTR DR20ITR DR20LATR DR20WHITR
Weather and Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired.	Black Brown Gray Ivory Light Almond White	DR15BLKWRTR DR15WRTR DR15GRYWRTR DR15IWRTR DR15LAWRTR DR15WHIWRTR	DR20BLKWRTR DR20WRTR DR20GRYWRTR DR20IWRTR DR20LAWRTR DR20WHIWRTR
Pre-wired receptacles, Style Line® decorator duplex, smooth polycarbonate face, back and side wired, self-grounding, 8" solid wire leads.	Black Brown Gray Ivory Light Almond White	DR15BLKP1 DR15P1 DR15GRYP1 DR15IP1 DR15LAP1 DR15WHIP1	DR20BLKP1 DR20P1 DR20GRYP1 DR20IP1 DR20LAP1 DR20WHIP1
Pre-wired receptacles, Style Line® decorator duplex, smooth polycarbonate face, back and side wired, self-grounding, 8" stranded wire leads.	Black Brown Gray Ivory Light Almond White	DR15BLKP2 DR15P2 DR15GRYP2 DR15IP2 DR15LAP2 DR15WHIP2	DR20BLKP2 DR20P2 DR20GRYP2 DR20IP2 DR20LAP2 DR20WHIP2
Pre-wired receptacles, Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired,self-grounding, 8" solid wire leads.	Black Brown Gray Ivory Light Almond White	DR15BLKTRP1 DR15TRP1 DR15GRYTRP1 DR15ITRP1 DR15LATRP1 DR15WHITRP1	DR20BLKTRP1 DR20TRP1 DR20GRYTRP1 DR20ITRP1 DR20LATRP1 DR20WHITRP1
Pre-wired receptacles, Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired, self-grounding, 8" stranded wire leads.	Black Brown Gray Ivory Light Almond White	DR15BLKTRP2 DR15TRP2 DR15GRYTRP2 DR15ITRP2 DR15LATRP2 DR15WHITRP2	DR20BLKTRP2 DR20TRP2 DR20GRYTRP2 DR20ITRP2 DR20LATRP2 DR20WHITRP2
Nightlight receptacle, two nightlight sources for a total of 0.5 Lumens, Tamper-Resistant shuffers complies	lvory Light Almond White	DR15NLIV DR15NLLA DR15NLWH	- - -

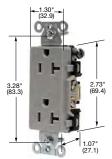


DR15GRY







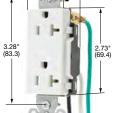


DR20GRYWRTR

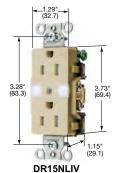








DR20WHIP2



Dimensions in Inches (mm)

Note: See page A-47 for accessories.

side wired

See page Tech-10 for Tamper and Weather Resistant descriptions.

See section O for wallplates.

Tamper-Resistant shutters complies with NEC article 406.12, back and



USB Charger Receptacles and Outlets



Description

Weather Resistant Receptacle Features

- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Type A&C USB ports
- Power indicating green LED light



Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle,	Black	USB15AC5BKWR	USB20AC5BKWR
One Type A and one Type-C port	Brown	USB15AC5WR	USB20AC5WR
configurations, high power 5 Amp,	Gray	USB15AC5WR	USB20AC5GYWR
5 Volt USB output, Tamper-Resistant	lvory	USB15AC5IWR	USB20AC5IWR
USB ports rated 10,000 cycles;	Light Almond	USB15AC5LAWR	USB20AC5LAWR
Commercial Grade	White	USB15AC5WWR	USB20AC5WWR

Note: Outdoor circuits should be GFCI protected per national and local electric codes.

Commercial

20A 125V

USB20CPDBK

USB20CPDGY

USB20CPDLA

USB20CPDW

USB20CPD

USB20CPDI

Commercial and Hospital Grade USB-C Power Delivery **Charger Tamper-Resistant Duplex Receptacles**

Brown



	(44.5)	
1	(A)	
	1 -	2
3.28" (83.3)	11	2.61" (66.3)
	1 -	1
<u> </u>	1	1.82" (46.1)

3.28" (83.3)		2.61" (66.3) 1.82" (46.1)
US	B83000	CPDW
	1 75"	

(44.5)



Two Type-C port configurations,

one USB-C Power Delivery port

with up to 55 Watt output and one USB Type-C convenience port with up to 1.5 Amp, 5 Volt USB output, Tamper Resistant duplex receptacle, USB ports rated 10,000 cycles	Gray Ivory Lt. Almond Red White	USB15CPDGY USB15CPDI USB15CPDLA - USB15CPDW
One Type-A and one Type-C port configurations, one USB-C Power Delivery port with up to	Black Brown Gray	USB15ACPDB1 USB15ACPD USB15ACPDG

Black	USB15ACPDBK
Brown	USB15ACPD
Gray	USB15ACPDGY
lvory	USB15ACPDI
Lt. Almond	USB15ACPDLA
Red	-
White	USB15ACPDW

15A 125V

USB15CPDBK

USB15CPD

C USB20ACPDBK USB8200ACPDBK **USB20ACPD USB20ACPDGY** USB20ACPDI **USB20ACPDLA USB20ACPDW**

USB8200ACPD **USB8200ACPDGY** USB8200ACPDI **USB8200ACPDLA** USB8200ACPDR **USB8200ACPDW**

USB8200CPDBK

USB8200CPDGY

USB8200CPDLA

USB8200CPDR

USB8200CPDW

USB8200CPD

USB8200CPDI

15A 125V

USB8300ACPDBK USB8300ACPD **USB8300ACPDGY** USB8300ACPDI **USB8300ACPDLA** USB8300ACPDR **USB8300ACPDW**

Hospital Grade

20A 125V

USB8300CPDBK

USB8300CPDGY

USB8300CPDLA

USB8300CPDR

USB8300CPDW

USB8300CPDI

USB8300CPD

Note: See page Tech-10 for Tamper-Resistant description.



4 Port USB Charger Outlets

Description	Color	Catalog Number
USB Charger Outlets, 4 USB ports,	Black	USB4ACBK
two Type A & two Type-C ports, 5 Amp up to 9 Volt DC, Style Line®	Brown Gray	USB4AC USB4ACGY
decorator.	lvory	USB4ACI
	Light Almond White	USB4ACLA USB4ACW



USB15ACPDGY



Switch Combo Outlets

Owitch Combo Caticis		
Description	Color	Catalog Number
Switch Combo Outlet,	Black	USB102BK
two USB type 2.0 ports,	Brown	USB102
2.1 Amp, 5 Volt DC,	Gray	USB102GY
Style Line® decorator.	lvory	USB102I
	Light Almond	USB102LA
	White	USB102W

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



15 and 20 Ampere, 125 Volts

4-PLEX®





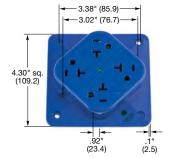
15A 125V NEMA 5-15R UL CSA

20A 125V EMA 5-20R UL CSA

Hospital Grade Receptacles		UL CSA 0.5 HP	UL CSA 1 HP
Description	Color	Catalog Number	
4 outlet high impact resistant Polycarbonate construction. Mount to 4 in. square box.	Brown Gray Ivory Red White	HBL415H - HBL415HI HBL415HR HBL415HW	HBL420H HBL420HGY HBL420HI HBL420HR HBL420HW
4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue Ivory Red	_ _ _	HBL420HS HBL420HIS HBL420HRS



HBL415HI



HBL420HS





4-PLEX® Receptacles

Over Size Robertson/Slotted Head Terminal Screws			
Description	Color	Catalog Number	
Specification grade.	Black Brown Gray Ivory White	HBL415BK HBL415 HBL415GY HBL415I HBL415W	HBL420BK HBL420 HBL420GY HBL420I HBL420W
Isolated ground [△] .	Orange	IG415	IG420
Surge suppression.	Blue Ivory	HBL415S HBL415IS	HBL420S HBL420IS

Note: ^ASee section N for additional information on isolated ground devices.

Horsepower ratings are AC only.

4-PLEX Receptacles are of a non-metallic design. Product is supplied with isolated ground symbol stickers.

Apply if needed. Mounts to 4-inch square box.

4.30" sq. (109.2) 4.30" sq. (109.2)

HBL415I

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for	Blue	HBL4APBL
1- and 2-gang, device boxes.	Brown	HBL4AP
0 0,	Gray	HBL4APGY
	Ivory	HBL4API
	Orange	HBL4APO
	Red	HBL4APR
	White	HBL4APW
4-PLEX Portable Box, 4 in. (101.6) square	Black	HBL4PBBK
box with cord grip. Accepts up to .66 in. (16.8)	Brown	HBL4PB
diameter cord.	lvory	HBL4PBI

Note: 4-PLEX Box is not UL listed or CSA Certified. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.



4.30" sq. (85.9) 1 .84" (21.3)
4.30" sq. (109.2) 2 Punchouts
(102.9) 66" (16.8)
Dia. Wire Hole

HBL4PBI

Products at a Glance



Hospital Grade Plugs and Connectors

- Hospital Grade with green dot symbol
- Powerful offsetting cord grips clamp on individual conductors
- Transparent angled wiring entrance holes permit "straight in" conductor insertion
- Valise® devices have unique patented clamp type terminals, provide a superior electrical connection



Heavy Duty Insulgrip® Plugs and Connectors

- Beveled housing prevents snagging
- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .23 to .72 inch (5.8 to 18.3).
- Individually molded face for each blade configuration keeps debris out of plug interior
- Ribbed nylon housing is impact and chemical resistant



Watertight and Dust Tight Devices

- Multiple "U-Drive" fast lead body assembly screws
- Color coded Kellems GOTCHA® rings provide increased cord retention
- Powerful nylon cord grip prevents strain on terminals
- Dust and moisture seal keeps out liquids, metal filings and other foreign materials
- Closure plug seals connector body when disconnected from plug

Features and Benefits

Insulgrip® 15 and 20 Ampere Plugs and Connector Bodies

Insulgrip products are synonymous with Hubbell's ongoing commitment to discovering ways to make products safer and last longer.

By encasing wiring devices in tough nylon housings, Insulgrip devices ensure high impact, heat, and chemical resistance while insulating current-carrying components from the user for maximum safety.

- The Insulgrip's cord gripping design clamps conductors, not just the cable jacket, making it the industry's most powerful cord grip with superior strain relief.
- Each Insulgrip device is manufactured with roomy, separate wiring chambers to insulate conductors and an individually molded face to keep out dust and debris that can cause contamination over time.







Housing Design

- Ribbed nylon housing provides a secure grip that's impact and chemical resistant
- Beveled housing prevents snagging when dragged across uneven surfaces
- Individually molded face for each blade configuration keeps debris out of plug interior



Internal Design

- Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations
- Individual wiring terminals are completely enclosed in their own separate chambers



Cord Range

- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230"-.720" (5.8-18.3)
- VARI-SIZE® pointer set to "smaller than gauge" position. Cord diameter range is .230"-.360" (5.8-9.0). Accepts slotted and Phillips head drivers



Assembly

 Multiple drive screw heads provide screwdriver versatility. Pocketed recess for cord grip screws deters slippage of the screwdriver



Identification

 Catalog number is visible on the device while in use for easy identification



Visual Verification

 Transparent angled wiring entrance holes permit "straight in" conductor insertion and quick visual verification for terminations

Features and Benefits

Valise® Plugs and Connector Bodies

Hubbell Valise plugs go together in seconds but stay together securely for reliable long-term operation. Eight loadbearing, locking lugs in the impact- and crush-resistant nylon body assure a positive grip. Devices feature patented "wire bundling" terminals that are easy to wire and provide positive, reliable terminations



Housing Design

- Removable cord inserts to accommodate a wide range of cord sizes, .220"-.660" (5.6-16.8)
- Powerful cord grips prevent conductor slippage and strain on wiring terminals
- Eight specially designed load bearing locking lugs insure a positive fit as the blade holder and sides are closed



Internal Design

- Unique patented clamp-type terminals provide a superior electrical connection by "bundling" the conductor strands when clamps are tightened
- Nylon webs are provided to make wiring quick and easy during assembly
- Two captive multiple drive assembly screws

Elastogrip® High Visibility Yellow Plugs and Connectors

Hubbell straight blade devices, female connector body, Elastogrip watertight, industrial/commercial grade, 2-pole 3-wire grounding, 15A 125V, NEMA 5-15R, yellow, single pack. Tough nylon body provides superior resistance in harsh abusive environments. IP55 suitability when closure plug inserted or when installed and used properly with mating watertight plug.



Watertight Plug Housing Design

- Thermoplastic elastomer housing resists weathering caused by ultraviolet rays and ozone better than rubber; also oil and chemical resistant
- Nylon compression nut keeps water and dust from getting into the body around the cord



vVatertight Plug Internal Design

- Three separate transparent wiring chambers allow for visual inspection
- Multiple drive "U-Drive" fast lead body assembly screws
- Neoprene bushing keeps water and dust out
- Color coded Kellems GOTCHA® rings provide increased cord retention



Watertight Connector Housing Design

- Closure plug seals connector body when disconnected from plug
- Integral weatherproofing shroud seals connection between plug and connector



Watertight Connector Internal Design

- Pretensioned "bypass" design female contacts for abuse resistance and reliability
- Nylon compression nut keeps water and dust from getting into the body around the cord



Dust Tight Plug Housing Design

- Thermoplastic elastomer housing
- Powerful nylon cord grip prevents strain on terminals



Dust Tight Plug Internal Design

- Multiple drive "U-Drive" fast lead body assembly screws
- Dust and moisture seal keeps out liquids, metal filings and other foreign materials











Hospital Grade Plugs

Insulgrip [®]			
Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"720" (5.8-18.3)	HBL8215C	HBL8315C
Black and white, spring termination	.230"720" (5.8-18.3)	HBL8215CST	HBL8315CST
Transparent housing.	.230"720" (5.8-18.3)	HBL8215CT	HBL8315CT
Transparent housing, spring termination	.230"720" (5.8-18.3)	HBL8215CTST	HBL8315CTST
8 position angle plug,	.250"655" (6.4-16.6)	HBL8215CAT*	HBL8315CAT*

Valise®

Description	Cord Diameter Catalog Numl		Catalog Number	
White nylon.	.300"660" (7.6-16.8)	HBL8115V	HBL8364V	
Insulation displacement, white nylon.	.300"360" (7.6-9.1)	HBL8013V*	-	







Hospital Grade Connector Bodies

Insul	grip®

insuigrip			
Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"720" (5.8-18.3)	HBL8219C	HBL8319C
Black and white, spring termination	.230"720" (5.8-18.3)	HBL8219CST	HBL8319CST
Transparent housing.	.230"720" (5.8-18.3)	HBL8219CT	HBL8319CT
Transparent housing, spring termination	n .230"720" (5.8-18.3)	HBL8219CTST	HBL8319CTST

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"660" (7.6-16.8)	HBL8119V -	-

Note: *Not Fed. Spec. Listed. See page A-48 for accessories.







Hospital Grade Plugs

Valise [®]			
Description	Cord Diameter	Catalog Number	
Valise plug, white nylon.	.300"660" (7.6-16.8)	HBL8666V	HBL8464V

Note: HP ratings listed above are based on 208 to 240V AC only.





Hospital Grade Connector Bodies

Valise [®]			
Description	Cord Diameter	Catalog Number	
White nylon.	.300"660" (7.6-16.8)	-	HBL8469V



HBL8215C



HBL8215CTST



HBL8215CAT



HBL8115V



HBL8219C



HBL8219CT



HBL8119V



HBL8666V

Plugs









HBL5266C



HBL5266CST



HBL5266CA



HBL1447



HBL14W47



HBL5965VY



HBL5966VBLK

IP20





_			
Insulgrip [®]			
Description	Cord Diameter	Catalog Number	'
Black and white nylon.	.230"720" (5.8-18.3)	HBL5266C	HBL5366C
Black and white, spring termination	.230"720" (5.8-18.3)	HBL5266CST	HBL5366CST
Blue and white nylon.	.230"720" (5.8-18.3)	HBL5266CBL	_
Black nylon extra large cord clamp.	.360"720" (9.1-18.3)	HBL5266EBK	HBL5366EBK
Black, spring termination	.230"720" (5.8-18.3)	HBL5266CBKST	HBL5366CBKST
Corrosion resistant yellow nylon.	.230"720" (5.8-18.3)	HBL52CM66C	HBL53CM66C
Corrosion resistant yellow nylon, spring termination		HBL52CM66CST	HBL53CM66CST
8-position angle plug, black and white nylon.	.325"655" (8.3-16.6)	HBL5266CA	HBL5366CA
8-position angle plug, transparent enclosure.	.325"655" (8.3-16.6)	HBL5266CAT	-
Anchor lock, black and white nylon.	.230"720" (5.8-18.3)	HBL5280C*	-
Anchor lock, corrosion resistant yellow nylon.	.230"720" (5.8-18.3)	HBL52CM80C*	-
Finger grip, black neoprene, combination screws. CSA only.	.31"43" (7.9-10.9)	HBL5921	-
Fusible, black vinyl housing, slotted screws. CSA only.	.296"625" (7.5-15.9)	HBL5299	-

Elastogrip®

Description	Cord Diameter	Catalog Number	,
Yellow elastomer, dust tight. IP20 SUITABILITY.	.300"655" (7.6-16.6)	HBL1447	HBL1433
Yellow elastomer, watertight. IP20 and IP55 SUITABILITY.	.300"655" (7.6-16.6)	HBL14W47**	HBL14W33**
Yellow elastomer, watertight. IP65, 66, 67 SUITABILITY.	.375"625" (9.5-15.9)	HBL14W47A	HBL14W33A

Valise [®]	IP20		
Description	Cord Diameter Cord Diameter	Catalog Number	
Yellow nylon.	.220"660" (5.6-16.8)	HBL5965VY	HBL5364VY
Black nylon.	.220"660" (5.6-16.8)	HBL5965VBLK	HBL5364VBK
Gray nylon.	.220"660" (5.6-16.8)	HBL5965VGY	-
Orange nylon, sold in bulk pack of 50.	.220"660" (5.6-16.8)	HBL515PVO	-
Insulation displacement terminals, black nylon.	.230"360" (5.8-9.1)	HBL5966VBLK	-
Insulation displacement terminals, yellow nylon.	.230"360" (5.8-9.1)	HBL5966VY	-

Note: *UL Component Listed only. Not for general use applications.

**Watertight plugs IP55 suitability when installed and used properly with mating Elastogrip watertight connector bodies.

Horsepower ratings listed are AC only. See page A-48 for accessories.









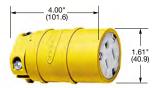
Connector Bodies

d Diameter	Catalog Number	
)"720" (5.8-18.3)	HBL5269C	HBL5369C
)"720" (5.8-18.3)	HBL5269CST	HBL5369CST
)"720" (5.8-18.3)	HBL5269CBL	_
)"720" (9.1-18.3)	HBL5269EBK	HBL5369EBK
)"720" (5.8-18.3)	HBL5269CBKST	HBL5369CBKST
)"720" (5.8-18.3)	HBL52CM69C	HBL53CM69C
	0"720" (5.8-18.3) 0"720" (5.8-18.3) 0"720" (9.1-18.3) 0"720" (5.8-18.3)	d Diameter Catalog Number 0"720" (5.8-18.3)

IP20

Note: See page A-48 for accessories.





HBL1547

Elastogrip®

<u> </u>			
Description	Cord Diameter	Catalog Number	
Yellow elastomer, dust tight. IP20 SUITABILITY.	.300"655" (7.6-16.6)	HBL1547	HBL1533
Yellow elastomer, watertight. IP20 and IP55 SUITABILITY.	.300"655" (7.6-16.6)	HBL15W47*	HBL15W33*
Yellow elastomer, watertight. IP65, 66, 67 SUITABILITY.	.375"625" (9.5-15.9)	HBL15W47A	HBL15W33A



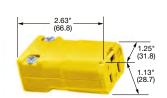
HBL15W47

IP20 SUITABILITY
Cord Diamete
.220"660" (5.6-16.8)

	OUTABLETT		
Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"660" (5.6-16.8)	HBL5969VY	HBL5369VY
Black nylon.	.220"660" (5.6-16.8)	HBL5969VBLK	HBL5369VBK
Gray nylon.	.220"660" (5.6-16.8)	HBL5969VGY	-
Orange nylon, sold in bulk pack of 50.	.220"660" (5.6-16.8)	HBL515CVO	-
Insulation displacement terminals, black nylon.	.230"360" (5.8-9.1)	HBL5963VBK	-
Insulation displacement terminals, yellow nylon.	.230"360" (5.8-9.1)	HBL5963VY	-

Note: *Watertight connectors IP55 suitability when closure plug inserted or when installed and used properly with

mating Elastogrip watertight plug.
Connector bodies are not HP rated.
See page A-48 for accessories.



HBL5969VY



HBL5963VY

For quick visual identification of circuits or configurations.

Colored Cord Clamps*

Colored Cord Clamps		
Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, insulgrip	Blue	HBLCORDCLAMPBL
plugs and connectors with cord diameter range of	Green	HBLCORDCLAMPGN
.230"720" (5.8-18.3) only.	Orange	HBLCORDCLAMPOR
	Purple	HBLCORDCLAMPP
	Red	HBLCORDCLAMPR
	Yellow	HBLCORDCLAMPY

Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.







HBL5278C



HBL61CM64



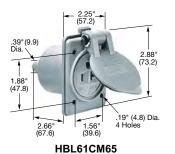


3 - 1		
Description	Catalog Number	
Nylon casing, back wired.	HBL5278C	HBL5378C
Weatherproof, gray, with lift cover and multiple drive screws.	HBL61CM64	_
Weatherproof, black, with lift cover and boot, multiple drive screws.	HBL61CM64BK	_
Stainless steel flange, phenolic body, miniature style, for molded on connectors only, multiple drive screws.	HBL5240*	-

Note: *Specially designed to accept "molded-on" connector bodies. Catalog number HBL5240 will not accept re-wireable size connector bodies listed in this catalog or molded connectors having a "rejection obstruction" as required by Underwriters Laboratories Inc. standard #817 cord sets and power supply cords" effective 7/1/81. See pages A-47 and A-48 for accessories.







Flanged Inlets

	UG W
UL.	125V A 5-15R CSA 5 HP

	JG [bw]
NEM/	125V A 5-20R CSA

Flanged Receptacles	0.5111	THE
Description	Catalog Number	
Nylon casing, back wired.	HBL5279C	HBL5379C
Stainless steel flange, phenolic body, covered terminals, multiple drive screws.	HBL5279	-
Stainless steel flange, brown phenolic (mounting screws packed separately).	HBL5256	-
Weatherproof, gray nylon, with lift cover and boot, multiple drive screws.	-	HBL61CM65

Note: See pages A-47 and A-48 for accessories.







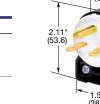




Description	Cord Diameter	Catalog Number	
Insulgrip® Plug, black and white nylon.	.230"720" (5.8-18.3)	HBL5666C	HBL5466C
Insulgrip plug, black and white, spring termination	.230"720" (5.8-18.3)	HBL5666CST	HBL5466CST
Insulgrip® Plug, corrosion resistant, yellow nylon.	.230"720" (5.8-18.3)	HBL56CM66C	HBL54CM66C
Insulgrip plug, corrosion resistant, spring termination, yellow	.230"720" (5.8-18.3)	HBL56CM66CST	HBL54CM66CST
8-Position Insulgrip® Angle Plug, black and white nylon.	.325"655" (8.3-16.6)	HBL5666CA	HBL5466CA
Valise® Plug, yellow nylon.	.220"660" (5.6-16.8)	HBL5666VY	HBL5464VY







Connector Bodies

Description	Cord Diameter	Catalog Number	
Insulgrip® Connector Body, black and white nylon, multiple drive screws.	.230"720" (5.8-18.3)	HBL5669C	HBL5469C
Insulgrip Connector Body, Black and White, Spring Termination	.230"720" (5.8-18.3)	HBL5669CST	HBL5469CST
Valise® Connector Body, yellow nylon.	.220"660" (5.6-16.8)	HBL5669VY	HBL5469VY

Note: See page A-48 for accessories.





Insulgrip® Flanged Inlets

Description	Catalog Number	Catalog Number		
Nylon casing, back wired.	HBL5678C	HBL5478C		

Note: Flanged inlets are not HP rated. See page A-48 for accessories.





Flanged	Receptacles
Dan andrektara	

Flanged Receptacles	UL CSA	UL Listed
Description	Catalog Number	
Nylon casing, multiple drive screws.	HBL5679C	HBL5479C
Stainless steel flange, brown phenolic housing (mounting screws packaged separately).	HBL5656	-

Note: Connector bodies are not HP rated. See pages A-47 and A-48 for accessories.

For quick visual identification of circuits or configurations.

Colored Cord Clamps*

Color Ca Cola Clampo		
Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, insulgrip	Blue	HBLCORDCLAMPBL
plugs and connectors with cord diameter range of	Green	HBLCORDCLAMPGN
.230"720" (5.8-18.3) only.	Orange	HBLCORDCLAMPOR
	Purple	HBLCORDCLAMPP
	Red	HBLCORDCLAMPR
	Yellow	HBLCORDCLAMPY

Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.



HBL5666C



HBL5666CST



HBL5669C



HBL5666CA



HBL5666VY



HBL5669VY

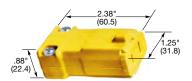


HBL5678C

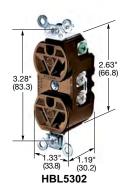




HBL5865VY



HBL5869VY











15A, 125V, 2 Pole, 2 Wire Non-Grounding,







Valise® Plugs		0.5 HP	0.5 HP
Description	Cord Diameter	Catalog Number	
Yellow nylon, non-polarized.	.218"385" (5.5-9.8)	-	HBL5865VY
Yellow nylon, polarized.	.218"385" (5.5-9.8)	-	HBL5866VY
Black nylon, polarized.	Type 17/2 "SVT" cord	_	HBL5867VBLK

Valise® Connector Bodies

Description	Cord Diameter	Catalog Number
Yellow nylon.	.218"385" (5.5-9.8)	HBL5869VY –



Finger grip, black elastomer.



HBL5929*

Catalog Number

Receptacles and Connector Bodies

Description	Cord Diameter	Catalog Number		
Receptacle, flush duplex, brown, back and side wired.	-	HBL5302	-	
Connector Body, phenolic and steel body.	.296"625" (7.5-15.9)	HBL5324	-	

Cord Diameter

.31"-.43"

(7.9-10.9)

Note: *Not UL Listed.

Horsepower ratings are AC only. See pages A-47 and A-48 for accessories.



20A, 250V, 2 Pole, 2 Wire Non-Grounding, Valise® Plugs

IP20





Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"660" (5.6-16.8)	-	HBL9758VY

Receptacle, Single

Description	Catalog Number
Black phenolic.	HBL5552B –

Note: Horsepower ratings are AC only and apply to plugs and receptacles only. See pages A-47 and A-48 for accessories.



20A, 125/250V, 3 Pole, 3 Wire Non-Grounding, **Receptacles and Plugs**







- 1000ptaoi00 and 1 lago				
Description	Cord Diameter	Catalog Number		
Receptacle, black phenolic.	-	HBL6810	-	
Plug, Insulgrip®, nylon.	.385"780"	_	HBL9977C	
	(9.8-19.8)			



Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).

Those in parentheses are phase to neutral (120V AC).

See pages A-47 and A-48 for accessories.







HBL8410

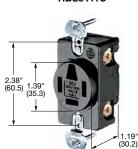


-	_ 2.50" (63.5)	-	
		18 m	1.94" (49.2)
н	BL9977C		



HBL8411C





HBL7250



HBL6810

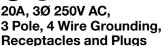
Note: Horsepower ratings are phase to phase (208 to 240V AC). Weatherproof boots for plugs not available. See pages A-47 and A-48 for accessories.

20A, 125/250V,

back and side wired. Plug, nylon, angle 4-position.

3 Pole, 4 Wire Grounding, **Receptacles and Plugs**

Receptacle, black nylon body,



See pages A-47 and A-48 for accessories.

IP20

Cord Diameter

.390"-.775"

(9.9-19.7)



Catalog Number

HBL8410

HBL8411C

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body, back and side wired.	-	HBL8420	-
Plug, nylon, angle 4-position.	.390"775" (9.9-19.7)	-	HBL8421C

Note: Horsepower ratings listed above are AC only.

Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).

Horsepower ratings in parentheses are phase to neutral (120V AC).

See pages A-47 and A-48 for accessories.



20A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20
ALIJEA BIJ 1897





neceptacies and Plugs		2 RP	2 HP
Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body.	_	HBL7250	_
Plug, nylon, angle, 4-position.	.390"775"	-	HBL7251C
	(Q Q-1Q 7)		





Receptacle IEC 320 Compatible	
Description	Catalog Number
20/16A 250V AC IEC straight blade.	H320R
For Ring Terminal connection.	H320RRT*
Note: *Not UL Listed. 🕦	



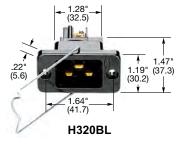
Un Gp. Connector	IP20 SUITABILITY	
Description		Catalog Number
20/16A 250V AC IEC straight blade.		H320C



णि क्रि॰ Plug IEC 320 Compatible	IP20 SUITABILITY	
Description		Catalog Number
20/16A 250V AC IEC straight blade.		H320P



(Inlets	
Description	Catalog Number
20/16A 250V AC IEC straight blade.	H320B
20/16A 250V AC IEC straight blade with retention clamp.	H320BL





Acceptor®

Hazardous Location Receptacles





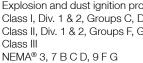
\sim
20A 125V
NEMA 5-20F
UL CSA
1 HD

Description
Explosion and dust ignition proof.
Class I, Div. 1 & 2, Groups C, D
Class II, Div. 1 & 2, Groups F, G

Catalog Number

UGRO20231 UGRA20231*

UGRO20231



Note: "UGRA version includes an adapter plate for mounting to Crouse-Hinds" EDS series and Appleton EFD series back boxes. UL Listed for Class 1, Div. 2, Groups B, C, D.





Acceptor®

Hazardous Location Plugs







Catalog Number

UGP15231 UGP20231

UGP15231

SWB Series Boxes

1-Gang Dead End	1-Gang Feed Thru
SWB1	SWB4
SWB2	SWB5
	SWB1

Note: SWB series boxes will only accommodate Acceptor Series receptacles, not standard weatherproof covers.











HBL9308

30A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs
Description
Receptacle, black RTP.





Receptacles and Plugs		2 HP	2 HP
Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	_	HBL9308	_
Receptacle, orange, isolated ground ^a .	_	IG9308	_
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	-	HBL9309*

Cord Diameter

.625"-1.187"

(15.9-30.1)

IP20



Catalog Number

HBLTT30R



(57.15)
3.28" (83.30) 3.28" (53.8) (93.47) (53.8)
IG9308

	2.75 <u>"</u> (69.9)	
3	1.88" (47.8)	
4.33" (110.0)	a l	

30A, 250V,
2 Pole, 3 Wire Grounding,
Receptacles and Plugs

Receptacle, orange, isolated ground^a.

2 Pole, 3 Wire Grounding, **Receptacles and Plugs**

Receptacle, black RTP. Travel Trailer use only.

Plug, nylon, angle. Travel Trailer use only.

30A, 125V,

Description

Description

Receptacle, black RTP.

Plug, nylon, angle, 4-position

IP20

Cord Diameter

.625"-1.187"

(15.9 - 30.1)



30A 250V NEMA 6-30R UL CSA 2 HP

2 HP	2 HP
Catalog Number	
HBL9330	_
IG9330	_

HBL9331*

HBLTT30P







Dimensions in Inches (mm)

30A, 277V AC,
2 Pole, 3 Wire Grounding,
Receptacles and Plugs

3 Pole, 3 Wire Non-Grounding,

IP20



neceptacies and Flugs		3 ПР	3 ПР	
Description	Cord Diameter	Catalog Number		
Receptacle, black RTP.	_	HBL9315	_	
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	-	HBL9319*	



IP20 30A, 125/250V,



Receptacles and Plugs		UL Listed 2(2) HP	UL Listed 2(2) HP
Description	Cord Diameter	Catalog Number	<u> </u>
Receptacle, black phenolic.	_	HBL9350	_
Receptacle, surface mount aluminum housing.	-	HBL9395	-
Plug, Insulgrip [®] , nylon.	.625"-1.00" (15.9-25.4)	_	HBL9337C
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	_	HBL9333

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

^ASee section N for additional information on isolated ground devices...

*Not Fed. Spec. Listed.

See page A-49 for accessories.





30A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs	IP20 SUITABILITY	30A 125/250V NEMA 14-30R 2(2) HP
Description	Cord Diameter	Catalog Number
Receptacle, black RTP.	-	HBL9430A
Plug, nylon.	.625"-1.310" (15.9-33.3)	-
Plug, nylon, angle, 4-position.	.625"-1.310"	_



30A 125/250V NEMA 14-30P 2(2) HP

HBL9431C

HBL9432C



HBL9430A

30A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs	IP20 SUITABILITY	30A 3Ø 250V AC NEMA 15-30R 3 HP	30A 3Ø 250V AC NEMA 15-30P 3 HP
Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	_	HBL8430A	_
Plug, nylon.	.625"-1.310" (15.9-33.3)	-	HBL8431C
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	-	HBL8432C

(15.9-33.3)







Description

Receptacle, black RTP.

30A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, **Receptacles and Plugs**

IP20

Cord Diameter

30A 3ØY 120/208V AC NEMA 18-30R UL Listed 3 HP

Catalog Number

HBL8330A

Y
30A 3ØY 120/208V AC NEMA 18-30P
UL Listed 3 HP

HBL8331C

2.75"	
#6-32	
TAP	_
2.44"	
(61.9)	2.37" 3.3 (60.3) (83
Character 1	

HBL8330A

Plug, nylon.	.625"-1.310" (15.9-33.3)
Note: RTP is an abbreviation for rein See pages A-49 and A-50 for	



HBL8331C









50A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs	IP20 SUITABILITY	50A 125V NEMA 5-50R UL CSA 2 HP	50A 125V NEMA 5-50P UL CSA 2 HP
Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	_	HBL9360	_
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	-	HBL9361



50A, 250V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs	IP20 SUITABILITY	50A 250V NEMA 6-50R UL CSA 3 HP	50A 250V NEMA 6-50P UL CSA 3 HP
Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	-	HBL9367	_
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	-	HBL9368



Representative of surface mount receptacle

50A, 277V AC, 2 Pole, 3 Wire Grounding, Receptacles and Plugs	IP20 SUITABILITY	50A 277V AC NEMA 7-50R UL CSA 5 HP	50A 277V AC NEMA 7-50P UL CSA 5 HP
Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	_	HBL9365	_
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	-	HBL9379



HBL7515C

	-	4.13" (104.9)	
2.88" (73.2)			*
<u> </u>	Н	BL7513C	air .

50A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles, Connector Body ar	IP20 SUITABILITY and Plugs	50A 125/250V NEMA 10-50R UL Listed 3(2) HP	50A 125/250V NEMA 10-50P UL Listed 3(2) HP
Description	Cord Diameter	Catalog Number	'
Receptacle, black phenolic.	_	HBL7962	_
Receptacle, surface mount aluminum housing.	-	HBL7940	-
Connector body, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	HBL7515C	-
Plug, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	-	HBL7513C
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	-	HBL7977

Note: RTP is an abbreviation for reinforced thermoplastic polyester. See pages A-49 and A-50 for accessories.







IP20 SUITABILITY	50A 125/250V NEMA 14-50R UL CSA 3(2) HP	50A 125/250V NEMA 14-50P UL CSA 3(2) HP	
Cord Diameter	Catalog Number		
_	HBL9450A	-	
.625"-1.310" (15.9-33.3)	-	HBL9451C	
.625"-1.310" (15.9-33.3)	-	HBL9452C	
	Cord Diameter 625"-1.310" (15.9-33.3) .625"-1.310"	P20 SUITABILITY SOA 125/250V NEMA 14-50R UL CSA 3(2) HP	



HBL9450	١
---------	---

50A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs	IP20 SUITABILITY	50A 3Ø 250V AC NEMA 15-50R UL CSA 7.5 HP	50A 3Ø 250V AC NEMA 15-50P UL CSA 7.5 HP	
Description	Cord Diameter	Catalog Number		
Receptacle, black RTP.	-	HBL8450A	_	
Plug, nylon.	.625"-1.310" (15.9-33.3)	-	HBL8451C	
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	-	HBL8452C	





50A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs





neceptacies and riugs					
Description	Cord Diameter	Catalog Number			
Receptacle, black RTP.	-	HBL8350A	-		
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	-	HBL8352C		

HBL9452C

1.81" (46.0) 2.37" (60.3) **HBL8350A**

Note: RTP is an abbreviation for reinforced thermoplastic polyester. See page A-50 for accessories.









60A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs	IP20 SUITABILITY	60A 125/250V NEMA 14-60R UL CSA 3(2) HP	60A 125/250V NEMA 14-60P UL CSA 3(2) HP	
Description	Cord Diameter Catalog Nu			
Receptacle, black RTP.	_	HBL9460A	_	
Plug, nylon.	.625"-1.310" (15.9-33.3)	-	HBL9461C	
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	-	HBL9462C	





60A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs	IP20 SUITABILITY	60A 3Ø 250V AC NEMA 15-60R UL CSA 10 HP	60A 3Ø 250V AC NEMA 15-60P UL CSA 10 HP
Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	-	HBL8460A	_
Plug, nylon.	.625"-1.310" (15.9-33.3)	-	HBL8461C
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	-	HBL8462C





(IL) 60A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs	IP20 SUITABILITY	60A 3ØY 120/208V AC NEMA 18-60R UL Listed 7.5 HP	60A 30Y 120/208V AC NEMA 18-60P UL Listed 7.5 HP
Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	_	HBL7301A	_
Plug, nylon.	.625"-1.310" (15.9-33.3)	-	HBL7303C
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	-	HBL7302C

Note: RTP is an abbreviation for reinforced thermoplastic polyester. See page A-50 for accessories.

Miscellaneous and Combination Receptacles

2 Pole, 3 Wire Grounding



15A 125V NEMA 5-15R UL CSA 0.5 HP

Miscellaneous Receptacles

Description	Catalog Number
Receptacle, display type, brown phenolic with .060 in. brass plate and blank flush plug.	HBL5236
Replacement receptacle for HBL5236.	HBL5236M2
Replacement threaded plug for HBL5236.	HBL5236PLUG*
Receptacle, wooden floors, brown phenolic with .060 in. brass plate, blank flush plug and box.	HBL6236
Receptacle, clock hanger, white with stainless steel plate.	HBL5235





HBL5236



HBL5235

Special Combination Duplex Receptacles

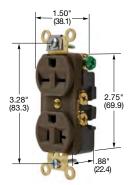
Description			Catalog Number
15A, 125V	\bigcirc	Brown RTP, 1 feed, 1 return, back/side wired	HBL4792
		Brown RTP, 2 feeds, 1 return, side wired	HBL4794
15A, 125V		Brown RTP, 2 feeds, 2 returns, side wired	HBL4795
15A, 250V	0	Brown nylon face, 2 circuit, back and side wired	HBL5292
15A, 125V	(I)	Ivory nylon face, 2 circuit, back and side wired	HBL5292I
20A, 250V		Brown nylon face, 2 circuit, back and side wired	HBL5492
20A, 125V		Ivory nylon face, 2 circuit, back and side wired	HBL5492I
15A, 125V		Brown RTP, 2 feeds, 1 return, common ground	HBL7371
10A, 250V 15A, 125V			
20A, 125V	O P	Brown nylon, side and back wired	HBL5392
20A, 125V		Note: This device will only accept 20A grounding plugs.	

Note: RTP is an abbreviation for reinforced thermoplastic polyester.

*Not UL Listed or CSA certified.
See page A-47 for accessories.



HBL4792



HBL5292

Accessories

For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices



P8



Wallplates, 1-Gang

Description	Color	Duplex Receptacle	Style Line® Receptacle	Single Receptacle Plate 1.40 in. (35.6) Dia.
Thermoplastic, smooth.	Black Brown Gray Ivory Light Almond Orange Red White	P8BK P8 P8GY P8I P8LA P8OR P8R P8W	P26BK P26 P26GY P26I P26LA – P26R P26W	P7BK P7 P7GY P7I P7LA – P7R P7W
Stainless steel 302/304, .035 in. (0.9) horizontal brushed finish.		SS8	SS26	SS7
Brass .04 in. (1.0), horizontal brushed finish.		SB8	SB26	SB7
Aluminum .05 in. (1.3), horizontal brushed finish.		SA8	-	SA7





P26I S



HBL52CM22



HBL5206WO

Weatherproof Covers

Description	Duplex Receptacle	Single Receptacle Plate 1.40 in. (35.6) Dia.
RTP, gray, for FS/FD box mounting.	HBL5221	HBL7423WO
RTP, yellow, for FS/FD box mounting.	HBL52CM21	HBL74CM23WO
RTP, gray, for device mounting.	HBL5222	-
RTP, yellow, for device mounting.	HBL52CM22	_
Cast aluminum for FS/FD box mounting.	HBL5206WO	HBL7420
Cast aluminum for device mounting.	HBL5205WO	-

Note: All weatherproof plates are UL Listed for Wet Locations.

Those with suffix WO are listed for use with cover open, all others with cover closed.

RTP is an abbreviation for reinforced thermoplastic polyester.

See section O for additional information on cover plates.



HBL7423WO

Accessories

For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices





Weatherproof Covers

For Nylon Flanged Inlets and Flanged Receptacles

Description	-	Catalog Number
RTP, gray, for FS/FD box mounting.		WP1

Note: RTP is an abbreviation for reinforced thermoplastic polyester. See page O-21 for additional information on weatherproof covers.



WP1

IP55*

IP44

Weatherproof Boots

Description	Catalog Number
Seal-Tite® triple seal, black elastomer cover for Insulgrip® plugs (HBL5266C style), when used in a cord set, and connector bodies (HBL5269C style), when used with flanged inlets.	HBL6017
Same as above except yellow.	HBL60CM17
Seal-Tite® triple seal black elastomer cover for Insulgrip® connector bodies when used in a cord set.	HBL6018
Same as above except yellow.	HBL60CM18
Closure plug, black.	HBL6019
Closure plug, yellow.	HBL60CM19

Note: *IP55 when installed and used properly with mating components. Boots are not UL Listed or CSA Certified.



HBL6017



HBL6018



HBL60CM19 Shown with HBL6018

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout devices for 15 and 20A straight blade plugs.	HLDMP**
PLUGOUT® Lockout device for 20 and 30A Hubbell plugs and others.	HLD**

Note: **Not UL Listed or CSA Certified.

See section BB for additional information on lockout devices.



HLDMP

Inserts

1100110	
Description	Catalog Number
Replacement cord grip inserts for Valise® device, (bag of 40).	HBLVCGBK**

Note: **Not UL Listed or CSA Certified.



Dimensions in Inches (mm)

Accessories

For 3 Wire 30 and 50 Ampere, 125 and 250 Volts and 277 Volts AC







P724BK

SS723



SS703

Wallplates

Description	Color	Single Receptacle Plate 2.16 in. (54.9) Dia.
Thermoplastic, smooth, 1-gang.	Black	P724BK
Thermoplastic, smooth, 2-gang.	Black	P703BK
Aluminum, .05 in. (1.3), 1-gang, smooth horizontal brushed finish.		SA723
Stainless steel 302/304, .035 in. (0.9), 1-gang, smooth horizontal brushed finish.		SS723
Stainless steel 302/304, .035 in. (0.9), 2-gang, smooth horizontal brushed finish.		SS703



Weatherproof Lift Covers

Description	Catalog Number
Cast aluminum for FS/FD box mounting for 30A.	HBL9420
Cast aluminum for FS/FD box mounting for 50A.	HBL9425



HBL9420

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout device for 30, 50 and 60A devices.	HLD2

Note: See section BB for additional information on lockout devices.



HLD2

Accessories

For 4 Wire 30, 50 and 60 Ampere, 125/250 Volts, 3Ø 250 and 3ØY 120/208 Volts AC



Wallplates, 2-Gang

Description	Single Receptacle Plate 2.48 in. (63.0) Dia.
Brass .04 in. (1.0), brushed, smooth.	SB701
Stainless steel 302/304, .035 in. (0.9), smooth horizontal brushed finish.	SS701



SS701



Weatherproof Lift Covers

Description	Catalog Number
RTP, gray, lift cover plate. Will fit FS/FD boxes having plate mounting hole 3.25 in. x 3.75 in. (82.5 x 95.2), centers. Only for use with receptacles on pages A-40 to A-43 with "A" suffix.	HBL7777A
Same as above except yellow.	HBL77CM77A
Note: RTP is an abbreviation for reinforced thermoplastic polyester.	



HBL7777A

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout device for 30, 50 and 60A devices.	HLD2

Note: See section BB for additional information on lockout devices.



Technical Information



HBL® Extra Heavy Duty Max, Straight Blade Hospital Grade Duplex Receptacles

HBL8200GY

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. HBL8200	Receptacle	15A
Manufacturer's Identification – Hubbell HBL8200	Тор	PBT*
Description - Hospital Grade, Straight Blade Duplex Receptacle	Base	RTP**
Type – 2 Pole, 3 Wire, Grounding	By-Pass Power Contacts	.037 in. (.9) Brass – Nickel Finish
Rating – 15A, 125V	Clamping Plate	.031 in. (.8) Brass – Nickel Finish
Certification: UL Listed to UL 498 File E2186, Fed. Spec. WC596,	Mounting Strap	.050 in. (1.3) Brass – Nickel Finish
Hospital Grade, NEMA® WD-6 Compliant	Line Terminal Screws	#10-32 Silicone Bronze, Multiple Drive
Certified to CSA, C22.2, No. 42 File 285	Hex Head Grounding Screw	#10-32 (Green) Silicon Bronze, Multiple Drive
	Center Assembly Rivet	Silicon Bronze
	Automatic Self-Grounding Clip	Stainless Steel
	Flat Head Mounting Screws	Stainless Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at
	150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Note: *Polybutylene Terephthalate.

^{**}Reinforced Thermoplastic Polyester.

Technical Information



HBL® Extra Heavy Duty Max, Straight Blade Specification Grade Duplex Receptacles

Specifications HBL5262

Receptacles	Part	Description	
Typical Specification - Catalog No. HBL5262	Receptacle	15A	
Manufacturer's Identification – Hubbell HBL5262	Тор	Nylon	
Description - Heavy Duty Straight Blade Duplex Receptacle	Base	RTP*	
Type – 2 Pole, 3 Wire, Grounding	By-Pass Power Contacts	.037 in. (.9) Brass	
Rating – 15A, 125V	Wire Clamps	.031 in. (.8) Brass	
Certification: UL Listed to UL498 File E2186, Guide RTRT	Mounting Strap	.050 in. (1.3) Brass	
Fed. Spec. WC596, Meets NEMA® WD-6 Compliant	Line Terminal Screws	#10-32 Brass, Multiple Drive	
Certified to CSA, C22.2, No. 42 File 285	Ground Screw	#10-32 Brass, Multiple Drive (Green)	
	Center Assembly Rivet	Brass	
	Automatic Self-Grounding Clip	Stainless Steel	
	Flat Head Mounting Screws	Steel-Zinc Plated	
	Ground Tension Clips	Steel-Nickel Finish	

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at
	150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification Ratings are a permanent part of the device.	
Environmental – Material	
Flammability	Top: UL 94V-2.
-	Base: UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Note: *Reinforced Thermoplastic Polyester.

Technical Information



HBL5252

HBL® Compact Extra Heavy Duty Max, Straight Blade Specification Grade Receptacles

Specifications

Receptacles	Part Receptacle	Description	
Typical Specification – Catalog No. HBL5252		15A	
Manufacturer's Identification – Hubbell HBL5252	Тор	Nylon	
Description – Straight Blade Duplex Receptacle	Base	RTP*	
Type – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.032 in. (.8) Brass	
Rating – 15A, 125V	Wire Clamps	.062 in. (1.8) Steel	
Certification – UL Listed to UL 498 File E2186,	Mounting Strap	.050 in. (1.3) Brass	
Fed. Spec. WC596, Certified to CSA 22.2, No. 42 File 285	Line Terminal Screws	#8-32 Brass, Multiple Drive	
	Ground Screw	#8-32 Brass, Multiple Drive (Green)	
	Center Assembly Rivet	Brass	
	Automatic Self-Grounding Clip	Stainless Steel	
	Flat Head Mounting Screws	Steel-Zinc Plated	

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at
·	150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Note: *Reinforced Thermoplastic Polyester.

Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Technical Information





#8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive

Stainless Steel

Zinc Plated Steel

HBL® Compact Heavy Duty Style Line®, Specification Grade and Hospital Grade Straight Blade Duplex Receptacles

HBL2152

Specifications	HBL2152 HBL2172	
Receptacle	Part	Description
Typical Specification – Catalog No. HBL2152 Manufacturer's Identification – Hubbell HBL2152 Receptacle Description – Straight Blade Duplex Receptacle	Receptacle Top Base	15A Nylon Nylon
Type – 2 Pole, 3 Wire Grounding Rating – 15A, 125V Certification – UL File No. E2186 Certified to CSA File No. 285	Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws Ground Screw Automatic Self-Grounding Staple Mounting Screws	.031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .050 in. (1.3) Galvanized Steel .031 in. (.8) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive Stainless Steel Zinc Plated Steel
Receptacle	Part	Description
Typical Specification – Catalog No. HBL2172 Manufacturer's Identification – Hubbell HBL2182 Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire Grounding Rating – 15A, 125V Certification – UL Listed to UL498 File E2186, Fed. Spec. WC596, Certified to CSA File No. 285	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact	15A Nylon RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .050 in. (1.3) Galvanized Steel .031 in. (.8) Brass

Line Terminal Screws

Automatic Self-Grounding Staple

Ground Screw

Mounting Screws

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at
	150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Note: *Reinforced Thermoplastic Polyester.

Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Technical Information







SNAPConnect® Straight Blade Duplex Receptacles Specification Grade and Hospital Grade

SNAP8200WA

SNAP2182A

SNAP5362IA

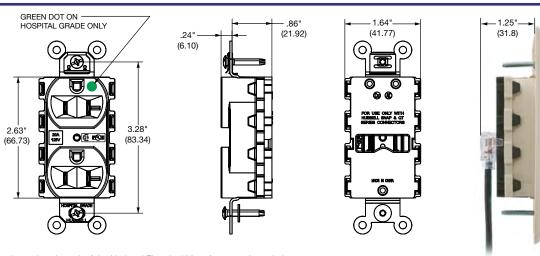
Specifications

Receptacle		Part	Description	
Typical Specification – Catalog No. SNAP8200		Receptacle	15A	
Manufacturer's	s Identification -	- Hubbell SNAP8200	Тор	Nylon
Description - S	Straight Blade D	Ouplex Receptacle	Base	Nylon
Type – 2 Pole,	3 Wire, Ground	ling	Triple Wipe Power Contacts	Brass
Rating – 15A, 125V		Mounting Strap	Galvanized Steel; Brass (HG)	
Certification – UL Listed to UL 498		. 498	Automatic Self-Grounding Clip	Stainless Steel
Fed. Spec. Wo	C596, Certified	to CSA 22.2, No. 42	Flat Head Mounting Screws	Steel-Zinc Plated/Self Tapping
Connector	Contact	Connector Body	Wire	
SNAP1RA	Brass	Clear Polycarbonate	6" Solid copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (
SNAP2RA	Brass	Clear Polycarbonate	6" Stranded copper #12 AWG THHN.	/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).

Performance

renomiance	
Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V as rated.
Current Interrupting	Receptacle certified for current interrupting at full rated current with equivalently rated NEMA® plug.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated DC current.
Mechanical	
Terminal Wire Leads Identification Product Identification	Terminal wire leads identified in accordance with UL 498 (Black, White, Green). Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (without impact).

Dimensions



NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Technical Information





8200REDLTRA

2182IVLTRA

Hubbell-PRO Heavy Duty, Straight Blade Hospital Grade Duplex Receptacles

Specifications

Receptacle	Part	Description	
Typical Specification - Catalog No. 8200	Receptacle	15A	
Manufacturer's Identification - Hubbell-PRO 8200	Тор	Nylon	
Description - Straight Blade Hospital Grade Duplex Receptacle	Base	Nylon	
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.0295 in. Brass	
Rating - 15A, 125V	Clamping Plate	Plated Steel	
Certification - UL Listed to UL 498, Fed. Spec. WC596	Mounting Strap	.040 in. Galvanized Steel	
Hospital Grade, NEMA® WD-6 Compliant	Terminal Screws	Plated Steel	
Certified to CSA	Hex Head Grounding Screw	Plated Steel	
	Automatic Self-Grounding Staple	Stainless Steel	
	Mounting Screws	Zinc Plated Steel	

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at
·	150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Technical Information





USB-C Power Delivery Charger Tamper-Resistant, Straight Blade Hospital Grade and Specification Grade Duplex Receptacles

USB8300CPDW

USB15ACPDW

Specifications

USB-C Power Delivery Charger Receptacle	Part	Description
Typical Specification - Catalog No. USB8300ACPD Manufacturer's Identification - Hubbell USB8300ACPD	Charger Receptacle	Electrical 20 Amp 125V AC USB 5.0 Amp 5V DC
Available Type USB-C Power Delivery Charger	Ports	Type A&C or C
	LED	Power Indication (White)/USB Charging (Blue)
Receptacle	Тор	Nylon
Description - Hospital Grade, Straight Blade Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.030 in. Cooper Alloy
Rating - 15 or 20 Amp, 125V AC, USB 5 Amp, 5V DC	Clamping Plate	Plated Steel
	Mounting Strap	.040 in. Galvanized Steel
Certification – cULus Listed to UL498 and UL1310	Terminal Screws	Plated Steel
Hospital Grade, NEMA® WD-6 Compliant (USB8200 and	Hex Head Grounding Screw	Plated Steel
8300 series only)	Automatic Self-Grounding Staple	Stainless Steel
Complies with battery charging specification USB BC1.2	Mounting Screws	Zinc Plated Steel
and 3.0 Power	Auto-Ground Staple	Stainless Steel
Complies with Part 15 of the FCC rules		
Compatible with USB 1.1/2.0/3.0 devices, including Apple products		

Performance

Withstands 2,000V minimum.
125V.
Certified for current interrupting at full rated current.
Max 30°C temperature rise at full rated current after 50 cycles of overload at
150% of rated current at a power factor of 75%.
Stainless Steel Rated for 10,000 plug insertions and removal
Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
#14-10 AWG stranded or solid copper conductor only.
Ratings are a permanent part of the device.
20 Amp 125 Volt
UL 94V-2.
Maximum continuous 75°C; minimum -40°C (w/o impact).

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Technical Information





Hubbell-PRO Extra Heavy Duty, Straight Blade Specification Grade Duplex Receptacles

Specifications

Receptacle, Smooth Nylon Face	Part	Description
Typical Specification – Catalog No. 5252AB	Receptacle	15A
Manufacturer's Identification – Hubbell 5252AB Receptacle	Тор	Polycarbonate
Description – Straight Blade Duplex Receptacle	Base	RTP*
Гуре – 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.031 in. (.8) Brass
Rating – 15A, 125V	Wire Clamp	.062 in. (1.8) Steel-Nickel Finish
Certification – UL Listed to UL498 File E2186	Mounting Strap	.040 in. (1) Galvanized Steel
Fed. Spec. WC596, Certified to CSA 22.2, No. 42	Ground Contact	.031 in. (.8) Brass
NEMA® WD-6 Compliant	Line Terminal Screws	#8-32 Brass, Multiple Drive
	Ground Screw	#8-32 Brass, Multiple Drive
	Center Assembly Staple	.040 in. (1) Galvanized Steel
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel
Receptacle, Finder Groove Face	Part	Description
•	Part Receptacle	Description 15A
Typical Specification - Catalog No. 5262B		•
Typical Specification – Catalog No. 5262B Manufacturer's Identification – Hubbell 5262B Receptacle	Receptacle	15A
ypical Specification – Catalog No. 5262B Manufacturer's Identification – Hubbell 5262B Receptacle Description – Straight Blade Duplex Receptacle	Receptacle Top	15A Polycarbonate
Typical Specification – Catalog No. 5262B Manufacturer's Identification – Hubbell 5262B Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding	Receptacle Top Base	15A Polycarbonate RTP*
Typical Specification – Catalog No. 5262B Manufacturer's Identification – Hubbell 5262B Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V	Receptacle Top Base Triple Wipe Power Contacts	15A Polycarbonate RTP* .031 in. (.8) Brass
Typical Specification – Catalog No. 5262B Manufacturer's Identification – Hubbell 5262B Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Dertification – UL Listed to UL498 File E2186	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp	15A Polycarbonate RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish
Typical Specification – Catalog No. 5262B Manufacturer's Identification – Hubbell 5262B Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Dertification – UL Listed to UL498 File E2186 Fed. Spec. WC596, Certified to CSA C22.2, No. 42	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap	15A Polycarbonate RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .040 in. (1) Galvanized Steel
Receptacle, Finder Groove Face Typical Specification – Catalog No. 5262B Manufacturer's Identification – Hubbell 5262B Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Certification – UL Listed to UL498 File E2186 Fed. Spec. WC596, Certified to CSA C22.2, No. 42 NEMA® WD-6 Compliant	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact	15A Polycarbonate RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .040 in. (1) Galvanized Steel .031 in. (.8) Brass
Typical Specification – Catalog No. 5262B Manufacturer's Identification – Hubbell 5262B Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Dertification – UL Listed to UL498 File E2186 Fed. Spec. WC596, Certified to CSA C22.2, No. 42	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws	15A Polycarbonate RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .040 in. (1) Galvanized Steel .031 in. (.8) Brass #8-32 Brass, Multiple Drive
Typical Specification – Catalog No. 5262B Manufacturer's Identification – Hubbell 5262B Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Dertification – UL Listed to UL498 File E2186 Fed. Spec. WC596, Certified to CSA C22.2, No. 42	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws Ground Screw	15A Polycarbonate RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .040 in. (1) Galvanized Steel .031 in. (.8) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at
	150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Note: *Reinforced Thermoplastic Polyester.

Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Technical Information











Commercial Specification Grade Receptacles

arade ricceptacies

Specifications

Part	Standard	Weather Resistant
Тор	Polycarbonate	Polycarbonate (UV Rated)
Base	Nylon	Nylon
Double Wipe Power Contacts	.030 in. (.8) Brass	.030 in. (.8) Brass
Wire Clamp	.062 in. (1.6) Steel-Nickel Plated	.062 in. (1.6) Steel-Nickel Plated
Finish		
Mounting Strap	.040 in. (1) Galvanized Steel	.040 in. (1) Galvanized Steel
Ground Contact	.031 in. (.8) Brass	.031 in. (.8) Brass
Line Terminal Screws	#8-32 Plated Steel, Multiple Drive	#8-32 Stainless Steel, Multiple Drive
Ground Screw	#8-32 Plated Steel, Multiple Drive	#8-32 Stainless Steel, Multiple Drive
Automatic Self-Grounding Staple	Stainless Steel	Stainless Steel
Mounting Screws	Zinc Plated Steel	Stainless Steel

Certification

o or unodulor.		
UL Listed	UL498	UL498
Fed. Spec	WC596	WC596*
Certified to CSA	C22.2, No. 42	C22.2, No. 42

Performance

Electrical		
Dielectric Voltage	Withstands 2,000V minimum.	Withstands 2,000V minimum.
Max. Working Voltage	125V.	125V.
Current Interrupting	Certified for current interrupting at	Certified for current interrupting at
	full rated current.	full rated current.
Temperature Rise	Max 30°C temperature rise at full rated	Max 30°C temperature rise at full rated
	current after 100 cycles of overload at	current after 100 cycles of overload at
	150% of rated current.	150% of rated current.
Mechanical		
Terminal Identification	Terminals identified in accordance with	Terminals identified in accordance with
	UL 498 and CSA (Brass, White, Green).	UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper	#14-10 AWG stranded or solid copper
	conductor only.	conductor only.
Product Identification	Ratings are a permanent part of the device.	Ratings are a permanent part of the device.
Environmental – Material		
Flammability	UL 94V-2.	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C	Maximum continuous 75°C; minimum -40°C
	(w/o impact).	(w/o impact).

Note: *Decorator and Commercial Tamper-Resistant devices are not Fed. Spec. Listed.

Technical Information



4-PLEX® Receptacles

HBL415I

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. HBL415	Receptacle	15 or 20A
Manufacturer's Identification – Hubbell 4-PLEX HBL415	Тор	Polycarbonate
Description - Straight Blade, Multiple Outlet Receptacle	Base	Polycarbonate
Type – 2 Pole, 3 Wire, Grounding	Power Contacts	.032 in. (.8) Brass
Rating 15A, 125V	Ground Contacts	.031 in. (.8) Brass
Certification – Listed to UL Standard 498 File E2186	Ground Plate	.032 in. (.8) Plated Steel
Certified to CSA 22.2, No. 42 File 285	(Hospital Grade)	.050 in. (1.3) Plated Steel
	Line and Neutral Terminal Plate	.031 in. (.8) Brass
	Line Terminal Screw	#8-32 Brass
	Ground Screw	#8-32 Brass (Green)

Performance

Withstands 2,000V minimum.
125V.
Capable of withstanding a fault level of 1000A, per UL498.
Max 30°C temperature rise at full rated current after 50 cycles of overload
current at 150% of rated current at a power factor of 75%.
Terminals identified in accordance with UL498 and CSA (Brass, White, Green)
#14-12 AWG stranded or solid copper conductor only.
Ratings are a permanent part of the device.
UL 94V-2.
Maximum continuous 75°C; minimum -40°C (w/o impact).

Technical Information





Insulgrip® Plugs and Connector Bodies

HBL5266C

HBL5269C

Specifications

Plugs Part	Description	
Typical Specification – Catalog No. HBL5266C	Plug	15A
Manufacturer's Identification – Hubbell HBL5266C	Housing	Nylon – Black
Description – Straight Body Plug	Blade Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding	Retainer	Polycarbonate – Clear
Rating – 15A, 125V	Cord Clamp	Nylon – Natural
Verified to Fed. Spec. WC596	Contact Blades	.060 in. (1.5) Brass
Certification – UL Listed to UL498 File E1706,	Ground Contact Blade	.040 in. (1.0) Copper Alloy
CSA Certified to C22.2 No. 42 File 280	Line Terminal Screws	#8-32 Brass, Multiple Drive
IP Suitability – IP20	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Wire Clamps	.062 in. (1.6) Steel – Nickel Finish
	Wile Glampe	1882 IIII (118) Steel Therter IIII III
Connector Bodies	Part	Description
Connector Bodies Typical Specification – Catalog No. HBL5269C	· · · · · · · · · · · · · · · · · · ·	
	Part	Description
Typical Specification - Catalog No. HBL5269C	Part Connector Body	Description 15A
Typical Specification – Catalog No. HBL5269C Manufacturer's Identification – Hubbell HBL5269C	Part Connector Body Housing	Description 15A Nylon – Black
Typical Specification – Catalog No. HBL5269C Manufacturer's Identification – Hubbell HBL5269C Description – Straight Body Connector	Part Connector Body Housing Contact Holder	Description 15A Nylon – Black Nylon – Natural
Typical Specification – Catalog No. HBL5269C Manufacturer's Identification – Hubbell HBL5269C Description – Straight Body Connector Type – 2 Pole, 3 Wire, Grounding	Part Connector Body Housing Contact Holder Retainer	Description 15A Nylon – Black Nylon – Natural Polycarbonate – Clear
Typical Specification – Catalog No. HBL5269C Manufacturer's Identification – Hubbell HBL5269C Description – Straight Body Connector Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V	Part Connector Body Housing Contact Holder Retainer Cord Clamp	Description 15A Nylon – Black Nylon – Natural Polycarbonate – Clear Nylon – Natural
Typical Specification – Catalog No. HBL5269C Manufacturer's Identification – Hubbell HBL5269C Description – Straight Body Connector Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Verified to Fed. Spec. WC596	Part Connector Body Housing Contact Holder Retainer Cord Clamp Power Contacts	Description 15A Nylon – Black Nylon – Natural Polycarbonate – Clear Nylon – Natural .040 in. (1.0) Copper Alloy

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at
	150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#18-10 AWG copper conductors only.
Product Identification	Ratings are a permanent part of the device.
Torque Range	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	.230–.720 in. (5.8–18.3) integral cord grip.
Environmental – Material	
Flammability	UL 94HB or better.
Operating Temperature	Maximum continuous 75°C; minimum – 40°C (w/o impact).

Technical Information





HBL5965VY

HBL5969VY

Valise® Plugs and Connectors

Specifications

Plugs	Part	Description
Typical Specification – Catalog No. HBL5965VY	Plug	15A
Manufacturer's Identification – Hubbell HBL5965VY	Housing	Nylon
Description – Straight Body Plug	Contact Blades	Brass
Type – 2 Pole, 3 Wire, Grounding	Ground Blade	Brass
Rating – 15A, 125V	Line Terminal Screws	Steel-Copper, Multiple Drive
Verified to Fed. Spec. WC596	Ground Screw	Steel (Green), Multiple Drive
Certification – UL Listed to UL 498 File E1706,	Cable Inserts	Poly Phenylene Oxide
CSA Certified to C22.2 No. 42 File 280C	Wire Clamps	Steel
IP Suitability – IP20	Body Holding Screws	Steel, Multiple Drive
Connector Bodies	Part	Connector
Connector Bodies Typical Specification – Catalog No. HBL5969VY	Part Connector Body	15A
	*	
Typical Specification - Catalog No. HBL5969VY	Connector Body	15A
Typical Specification – Catalog No. HBL5969VY Manufacturer's Identification – Hubbell HBL5969VY	Connector Body Housing	15A Nylon
Typical Specification – Catalog No. HBL5969VY Manufacturer's Identification – Hubbell HBL5969VY Description – Straight Body Connector	Connector Body Housing Contact and Ground Springs	15A Nylon Brass
Typical Specification – Catalog No. HBL5969VY Manufacturer's Identification – Hubbell HBL5969VY Description – Straight Body Connector Type – 2 Pole, 3 Wire, Grounding	Connector Body Housing Contact and Ground Springs Line Terminal Screws	15A Nylon Brass Steel-Copper, Multiple Drive
Typical Specification – Catalog No. HBL5969VY Manufacturer's Identification – Hubbell HBL5969VY Description – Straight Body Connector Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V	Connector Body Housing Contact and Ground Springs Line Terminal Screws Ground Screw	15A Nylon Brass Steel-Copper, Multiple Drive Steel (Green), Multiple Drive
Typical Specification – Catalog No. HBL5969VY Manufacturer's Identification – Hubbell HBL5969VY Description – Straight Body Connector Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Verified to Fed. Spec. WC596	Connector Body Housing Contact and Ground Springs Line Terminal Screws Ground Screw Cable Inserts	15A Nylon Brass Steel-Copper, Multiple Drive Steel (Green), Multiple Drive Poly Phenylene Oxide

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at
	150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	Copper conductors only.
	2 Wire 15A Only #18-14 AWG,
	2 Wire 20A & 3 Wire #18-12 AWG,
	Hospital Grade #16-12 AWG,
	I.D. Valise #18-16 AWG.
Product Identification	Molded Rating on Device Face.
Torque	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	2-Wire 15A Only .218385 in. (5.5-9.8),
	2-Wire 20A & 3 Wire .220–.660 in. (5.6–16.8),
	Hospital Grade .300–.660 in. (7.6–16.8),
	I.D. Valise .230–.360 in. (5.8–9.1).
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).
Standards	
Standards	

NEMA® WD1

NEMA® Configurations

Listed to UL Standard UL498

Certified to CSA Standard C22.2 No. 42

Verified to Federal Spec WC596

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Technical Information









IEC 320 Devices

H320R H320C H320P H32	H320R	H320C	H320P	H320
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Receptacle

Ticocpiaoic		
Catalog Number	H320R	
Description	IEC Configuration compatible straight blade panel mount receptacle.	
Type	2 Pole + earth.	
Rating	16A 250V AC for European service;	
	20A 250V AC for North American service.	
Certification	UL Listed 20A 250V AC - File No. E2186:	
	CSA Certified 20A 250V AC – File No 17337.	
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper conductor only.	
	International – 1.55mm2–2.5mm2.	
Connector		
Catalog Number	H320C	
Catalog Number		
Description	IEC Detachable straight blade connector.	
Type	2 Pole + earth.	
Rating	16A 250V AC for European service;	
0 (-1'	20A 250V AC for North American service.	
Configuration	IEC 60320-1 Style appliance coupler, C19.	
Certification	UL Listed 20A 250V AC - File No. E1706;	
	CSA Certified 20A 250V AC – File No. 17337;	
	UL Classified to IEC 320, 16A 250V AC – File No. E111246;	
Cord Accommodation	North American – 16/3SJ-12/3SJ (.325–.475 in. dia.);	
	International – (HAR cord) 3x1.5mm2–3x2.5mm2 (8mm–12mm dia.).	
IP Suitability	IP20.	
Plug		
Catalog Number	H320P	
Description	IEC Configuration compatible straight blade Valise® plug.	
Type	2 Pole + earth.	
Rating	16A 250V AC for European service;	
- 9	20A 250V AC for North American service.	
Certification	UL Listed 20A 250V AC – File No. E1706;	
	CSA Certified 20A 250V AC – File No. 17337.	
Cord Accommodation	North American – 16/3 SJ-12/3SJ (.325–.475 in. dia.);	
Cora / locommodation	International – (HAR cord) 3x1.5mm2 3x2.5mm2 (8–12mm dia.).	
IP Suitability	IP20.	
Inlet		
Catalog Number	H320B and H320BL	
Description	IEC Straight blade panel mount power inlet.	
Type	2 Pole + earth.	
3.	16A 250V AC for European service;	
Rating		
Carefin matia	20A 250V AC for North American service.	
Configuration	IEC 60320-1 Style appliance coupler, C20.	
Certification	UL Listed 20A 250V AC – File No. E1706;	
	CSA Certified 20A 250V AC – File No. 17337;	
	UL Classified to IEC 320, 16A 250V AC – File No. E111246;	
	VDE Certified at 16A 250V AC – File No. 12469 1550 1002.	
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper conductor only.	
	International – 1.5mm2–2.5mm2.	

Technical Information





Heavy Duty Insulgrip® Plugs and Receptacles

HBL9431C

HBL9430A

Specifications

Plug	Part	Description
Typical Specification - Catalog No. HBL9431C Manufacturer's identification - Hubbell HBL9431C Description - Straight Body Plug Type - 3 Pole, 4 Wire, Grounding Rating - 30A, 125/250V Certification - UL Listed File E1706, CSA Certified* IP Suitability - IP20	Plug Housing Blade Holder & Retainer Blades Terminal Screws Box Terminals Cord Clamps Mounting and Clamp Screws Cord Grip Range	30A Supertough Nylon Reinforced Thermoplastic Polyester Brass ¾ in. Allen Head, Plated Steel Copper Alloy Reinforced Thermoplastic Polyester Stainless Steel .625–1.310 in. (15.9–33.3)
Receptacle	Part	Description
Typical Specification - Catalog No. HBL9430A Manufacturer's Identification - Hubbell HBL9430A Description - Single Receptacle Type - 3 Pole, 4 Wire, Grounding Rating - 30A, 125/250V Certification - UL Listed File E2186, CSA Certified	Receptacle Housing Construction Mounting Plate Contacts Ground Shunt Terminal Screws Box Terminals	30A Reinforced Thermoplastic Polyester .062 in. (1.5) Pre-Plated Steel Brass Brass Brass 3/8 in. Allen Head, Plated Steel Copper

Performance

Electrical			
Dielectric Voltage	Withstands 2,000V minimum.		
Max. Working Voltage	125V or 250V as rated.		
Current Interruption	Certified for current interrupting at full rated current.		
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at		
	150% of rated current at a power factor of 75%.		
Mechanical			
Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).		
Terminal Accommodation	#12 AWG through #4 AWG copper wire only.		
Production Identification	Ratings are a permanent part of the device.		
Environmental			
Flammability	Receptacle: UL 94 VO.		
·	Plug: UL 94 HB (Housing), UL 94 VO (Blade Holder and Retainer).		
Operating Temperature	Maximum continuous 60°C, minimum -40°C (w/o impact).		

Note: *Listed to UL Standard 498 (Attachment Plugs and Receptacles), Certified to CSA Standard 42M (General Use Receptacles, Attachments, Plugs and Singular Wiring Devices) where applicable.

SECTION B

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Twist-Lock® Devices

Products at a Glance



Insul-Lock™ Plus Connectors

- 20A 250V AC rated
- Rated for disconnect under load
- IP65 rated
- Interchangeable with other similar brands

Insul-Lock™ Connectors

- 25A 250V AC and DC rated
- Do not connect or disconnect under load
- Color coded blue for power in & gray for power out



Midget Twist-Lock® Devices

- Smaller body size for use in tighter fit applications where larger products can't
- Abuse resistant nylon housing

Midget Valise® Devices

- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals
- Patented locking lugs interlock the two sections together providing a secure assembly



Insulgrip® Twist-Lock® Devices

- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized
- Integral dust shield protects wiring chamber from dust and contaminants
- Voltage color coding on receptacle face facilitates proper mating of devices



Safety-Shroud® Twist-Lock® Devices

- Tough nylon shroud protect blades from damage and abuse
- Prevents exposure to potential arc
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147
- Accepts conventional NEMA locking plugs



50 Amp Insulgrip® Devices

- Heavy duty design built for heavy duty applications
- Thermoplastic cord grips are designed with offset gripping jaws to hold connectors as well as the jacket
- Stainless steel shroud restricts mismating with the wrong device
- Padlock capable shroud allows compliance to OSHA lockout/tagout regulation 29 CFR 1910.147



Hubbellock® Devices

- Enhanced safety because access to live female contacts is restricted by the springloaded safety shutter
- No "lazy" connections because a springloaded safety shutter automatically ejects the plug if it hasn't been properly locked into the female device. This eliminates teasing of the contacts, a major cause of contact burn-up



Watertight Safety-Shroud® Devices

- Gland seal prevents water ingress at cord entrance
- Strong PBT body for heavy duty applications
- Closure cap creates environmental seal when device is not in use
- Vsible color coded rating label on devices ensure proper mating

Twist-Lock® Devices

Features and Benefits

Miniature 20 & 25 Amp Power Connections for Entertainment Applications

Ideal for use with LED lighting and other applications including multiple screen video walls. The rear of the connector is black to blend in when used in visible areas.

Available in both inline and panel mount styles, Hubbell's Insul-Lock™ Connectors have a quick release, vibration resistant latch. Hubbell's connections intermate with other similar brands.

Insul-Lock™ Plus Connectors

- 20A 250V AC rated
- Rated for disconnect under load
- IP65 rated
- Panel mount devices accept commonly available .25" spade style connectors
- Industry standard mating, interchangeable with installed base

Insul-Lock™ Connectors

- 25A 250V AC and DC rated
- Do not connect or disconnect under load
- Color coded blue for power in and gray for power out
- Industry standard mating Interchangeable with installed base
- Impact-resistant thermoplastic construction; suitable for use in UL1640 applications



Housing Design

- 20A 250V AC rated
- Impact-resistant thermoplastic construction
- Industry standard mating, interchangeable with installed base
- UL 50E enclosure Type 4 rated when used with mating connector or with panel mount and watertight cover



Connector Housing

- 25A 250V AC and DC rated
- Insulgrip style body design for a secure grip
- Color coded blue for power in and gray for power out
- Do not connect or disconnect under load



Connector Body

- Connectors accept up to 12/3 AWG SO cable which meets NEC 520.68 requirements for extra-hard usage cords or cables
- Multiple strain relief collets to accommodate cable range



Locking Latch

- Turn and latch feature prevents nuisance disconnects
- Quick release locking latch to ensure positive connection
- Connectors accept up to 12/3 AWG SO cable meets NEC 520.68 requirements for extra-hard usage cords or cables



Contacts

 Panel mount devices accept commonly available .25" spade style connectors



Panel Mount

- Divided panel mounts available for use with non-insulated terminations
- Panel mount devices accept commonly available .25" spade style connectors; simplifies installation for domestic OEM's





Miniature 20 & 25 Amp Power Connections for Entertainment Applications



Insul-Lock™ Plus Inline Connectors



Description	Male Connector Power In	Female Connector Power Out
20 Amp locking cable connector, screw terminals	HBLMC	HBLFC

Insul-Lock™ Plus Panel Mounts

Description	Inlet	Outlet
20 Amp 1/4" tab terminations without divider	HBLMP	HBLFP
20 Amp 1/4" tab terminations, with divider	HBLMPD	HBLFPD

Insul-Lock™ Plus Accessories

Description	Inlet	Outlet
Spring loaded watertight cover	HBLMPC	HBLFPC
Watertight dust protection cap with chain	HBLMPDC	HBLFPDC

Insul-Lock™ Plus Certifications

UL Recognized component for USA and Canada

Connectors are rated UL50E Enclosure type 4X when used with mating connector or with panel mount and watertight cover.

Panel Mounts are rated UL50E Enclosure type 4X with the cover closed or with the mating connectors. IP65 Rated

Rated for connection and disconnection under load.









Insul-Lock™ Panel Mounts

Style	Power In (Blue)	Power Out (Gray)
25 Amp 1/4" tab terminations without divider	HBLPMIBL	HBLPMOGY
25 Amp ¼" tab terminations with divider	HBLPMIDBL	HBLPMODGY

Insul-Lock[™] Accessories

Description	Catalog Number
Panel mount retainer plate (also compatible with HBLMP & HBLMPD)	HBLPMRP
Panel mount M3x.5 screw, 8mm long	HBLPMSC

Insul-Lock™ Certifications

UL Recognized component for USA and Canada VDE Certified

Do not connect or disconnect under load.

Dimensions in Inches (mm)

Midget 15 Amp Plugs and Connector Bodies

Hubbell's Valise® insulation displacement terminal for Midget Twist-Lock® Plugs and Connector Bodies are the right choice for economy, wiring speed and long life.

- Nylon webs join two sections together which makes assembly of the Valise[®] style device quick and easy
- Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals
- "TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking





Note: The cut-away views below are construction elements pertaining specifically to the Valise® style series.



Housing Design

- Totally insulated body adds extra measure of safety
- Abuse resistant nylon housing



Contacts

- The insulation displacement terminal reduces the time required for wire preparation and provides uniformity in the quality of termination
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals



One-Piece Design

- Nylon webs join two sections together which makes assembly of the device quick and easy
- Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly, even in the most abusive environments



Assembly

 Assembly screws have multiple drive heads for screwdriver versatility. Only two assembly screws are needed to close this device, make the wire terminations and retain the cord



Identification

 Rating marked on surface provides quick, sure circuit identification



Markings

 "TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking



Midget Plugs and Flanged Inlets



HBL7465V



HBL7594V



HBL7594





HBL7595N

2X .15" (3.8) DIA.

Dimensions in Inches (mm)







Plugs		15A 125V NEMA ML-1P	15A 125V NEMA ML-2P	15A 125/250V AC NEMA ML-3P
Description	Cord Dia.	Catalog Number		
Valise [®] plug, black nylon, multiple drive screw terminals.	.220"385" (5.6-9.8)	HBL7465V*	_	_
Valise® plug, black nylon, insulation displacement terminals.	.300"430" (7.6-10.9)	_	HBL7594V	_
Black nylon cover, phenolic body, multiple drive screw terminals.	.281"421" (7.1-10.7)	_	HBL7594	_
Angle plug, black nylon cover, phenolic body, multiple drive screw terminals.	.335"421" (8.5-10.7)	-	HBL7570	-
Valise® plug, black nylon, with insulation displacement terminals.	.300"430" (7.6-10.9)	_	_	HBL7485V*
Black nylon body, phenolic base, multiple drive screw terminals, cord grip.	.281"421" (7.1-10.7)	-	-	HBL7485*
Same as above, except angle cord grip.	.335"421" (8.5-10.7)	_	_	HBL7432*

Flanged Inlets

Description	Catalog Number		
Stainless steel flange, polarized, exposed terminals.	HBL7467*	_	-
Stainless steel flange, not polarized, exposed terminals.	HBL7466*	-	_
Exposed terminals, black nylon flange.	_	HBL7595N	_
Exposed terminals, stainless steel flange.	_	HBL7595	_
Covered terminals, stainless steel flange, accepts cord .500" (12.7) dia.	_	HBL7551	_
Exposed terminals, black nylon flange.	_	_	HBL7486N*
Exposed terminals, stainless steel flange.	_	_	HBL7486*

Note: See page B-8 for accessories.

*UL Listed only.

Male ML-2P devices have hollow center ground sleeves.

Male ML-3P devices have solid center neutral pins.







HBL7486



Midget Connector Bodies and Flanged Receptacles

IP20







Connector I	Bodies
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Odinicotor Bodics		NEWA WIL-IR	NEWA WIL-2R	NEWA WIL-3R
Description	Cord Dia.	Catalog Number		
Valise® connector body, black nylon, polarized, multiple drive screws.	.220"385" (5.6-9.8)	HBL7464V*	_	-
Valise® connector body, black nylon, insulation displacement terminals.	.300"430" (7.6-10.9)	-	HBL7593V	-
Black nylon cover, phenolic body, screw terminals.	.281"421" (7.1-10.7)	-	HBL7593	-
Angle connector body, black nylon cover, phenolic body, screw terminals.	.335"421" (8.5-10.7)	-	HBL7571	-
Valise® type, black nylon, with insulation displacement terminals.	.300"430" (7.6-10.9)	-	-	HBL7484V*
Black nylon body, phenolic base, cord grip.	.281"421" (7.1-10.7)	-	-	HBL7484*
Same as above, except for angle cord grip.	.335"421" (8.5-10.7)	-	-	HBL7433*



HBL7464V



HBL7593V



Description	Catalog Number		
Stainless steel flange, exposed terminals.	HBL7468*	_	_
Exposed terminals, black nylon flange.	_	HBL7596N	_
Exposed terminals, stainless steel flange.	_	HBL7596	_
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in dia.	-	HBL7598	-
Exposed terminals, black nylon flange.	_	_	HBL7487N*
Exposed terminals, stainless steel flange.	_	_	HBL7487*
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in diameter.	-	-	HBL7489*



HBL7593

Note: See page B-8 for accessories.
*UL Listed only.

Female ML-2R devices have solid center ground pins.
Female ML-3R devices have hollow center neutral sleeves.



HBL7571



HBL7484V









Dimensions in Inches (mm)

Twist-Lock® Devices

Midget Accessories



HBL7490V



HBL7459V



HBL4890



HBL7495V





Weatherproof Accessories for ML-1

Description	Catalog Number
Seal-tite® cover, black elastomer, for use with a HBL7465V plug when used with a HBL7464V connector body or a HBL7464V connector when used with a flanged inlet.	HBL7490V*
Seal-tite® cover, black elastomer, for use with a HBL7464V connector body and combination of HBL7465V plug and HBL7490V cover.	HBL7459V*
Closure cover for use with HBL7466 or HBL7467. Bead chain is nickel-plated.	HBL4890

Weatherproof Accessories for ML-2

Description	Catalog Number
Seal-Tite® cover, black elastomer, for use with a HBL7594V plug when used with a HBL7593V connector body or a HBL7593V connector body when used with a flanged inlet.	HBL7495V*
Seal-Tite® cover, black elastomer, for use with a HBL7593V connector body and a combination of HBL7594V plug and HBL7495V cover.	HBL7440V*
Closure cover for use with HBL7595 or HBL7595N.	HBL4889

Weatherproof Accessories for ML-3

Description	Catalog Number
Seal-Tite® cover, black elastomer, for use with a HBL7485V or HBL7485 plug when used with a HBL7484V or HBL7484 connector body when used with a flanged inlet.	HBL7495V*
Seal-Tite® cover, black elastomer, for use with a HBL7484V or HBL7484 connector body and a combination of HBL7485V or HBL7485 plug and HBL7495V cover.	HBL7440V*
Closure cover for use with HBL7486 or HBL7486N.	HBL4889

Note: *IP55 suitability when installed and used properly with plug and connector body combinations.

Insulgrip® 15 Amp Plugs and Connector Bodies

Insulgrip products are synonymous with Hubbell's ongoing commitment to discovering ways to make products safer and last longer.

By encasing wiring devices in tough nylon housings, Insulgrip devices ensure high impact, heat, and chemical resistance while insulating current-carrying components from the user for maximum safety.

- The Insulgrip's cord gripping design clamps conductors, not just the cable jacket, making it the industry's most powerful cord grip with superior strain relief
- Each Insulgrip device is manufactured with roomy, separate wiring chambers to insulate conductors and an individually molded face to keep out dust and debris that can cause contamination over time

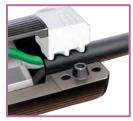






Housing Design

- Ribbed nylon housing provides a secure grip that's impact and chemical resistant
- Beveled housing prevents snagging when dragged across uneven surfaces
- Individually molded face for each blade configuration keeps debris out of plug interior



Internal Design

- Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations
- Individual wiring terminals are completely enclosed in their own separate chambers



Cord Range

- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230-.720 inch (5.8-18.3)
- VARI-SIZE[®] pointer set to "smaller than gauge" position. Cord diameter range is .230-.360 inch (5.8-9.0).
 Accepts slotted and Phillips head drivers



Assembly

 "Multiple drive" screw heads provide screwdriver versatility. Pocketed recess for cord grip screws deters slippage of the screwdriver



Identification

 Catalog number is visible on the device while in use for easy identification



Visual Verification

 Transparent angled wiring entrance holes guide conductor insertion and allow for quick visual verification of terminations

Twist-Lock® Devices

Features and Benefits

15 Amp Duplex Twist-Lock® Receptacles

Hubbell Wiring Device-Kellems line of duplex Twist-Lock® receptacles are designed to deliver premium service and longer life. This rugged product design establishes a new standard for 15 amp locking receptacles. A reinforced thermoplastic top and base encapsulates the brass alloy contacts that are locked together for unequaled assembly strength. Wiring and installation is simplified with back and side wire terminations, integral wire restraints, and combination head screws. The integral split circuit capability offers flexibility. Available in 2 pole, 3 wire configurations including isolated ground and corrosion resistant versions.

- Superior spring characteristics for increased contact force, secure connections and longer life
- High-conductivity, corrosion resistant material for reliable, low resistance to fault currents
- Easy and reliable installation for stranded and solid wire
- Features split circuit capability in the field
- The assembly locks together to make the most abuse resistant receptacle ever





Housing Design

- Reinforced thermoplastic construction
- High impact and heat resistance provides maximum safety and longer life



Terminals

- Single point break-off tabs
- High performance internal wiring clamps and open terminal design provide for the use of forked terminals



One-Piece Design

- Mounting strap tabs lock the body and base together
- Brass mounting strap with stainless steel grounding clip



Contacts

- Single piece, all brass contacts
- All terminals are back and side wired including the ground



Identification

 Rating marked on surface provides quick, sure circuit identification



Center Rivet

 Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion



15 Amp, 125 Volts 2 Pole, 2 Wire, Non-Grounding

IP20



15A 125V	
NEMA L1-15P	
0.5 HP	

i lugo		0.5 HP
Description	Cord Dia.	Catalog Number
Black and white nylon, polarized. Multiple drive screws.	.230"720" (5.8-18.3)	HBL7545C

Note: See page B-51 for accessories.



HBL7545C

Flanged Inlets

Pluge

Description	Catalog Number
Nylon casing, polarized, backwired, Multiple drive screws.	HBL7524C
Note: See page B-50 for accessories.	



NEMA L1-15R

0.5 HP



Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon. Multiple drive screws.	.230"720" (5.8-18.3)	HBL7506C

Note: See page B-51 for accessories.

HBL7524C

	2.78"(70.6)	-
1.41" (35.8) DIA.		1.53" (38.9) DIA.

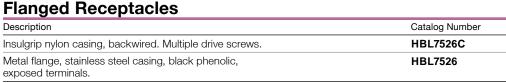
HBL7506C

Receptacles

Description	Catalog Number
Duplex, flush, black phenolic.	HBL7540
Single, flush, black phenolic.	HBL7535
Single, panel mount, 115/16" (49.2) centers, black phenolic.	HBL7498

Note: See pages B-50 and B-51 for accessories.

1.33"



Note: See pages B-50 and B-51 for accessories. Only receptacles and plugs are HP rated. HP ratings are AC only.



HBL7540







Dimensions in Inches (mm)



15 Amp, 125, 250 Volts and 277 Volts AC 2 Pole, 3 Wire, Grounding

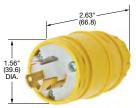
Plugs



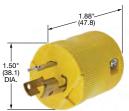
HBL4720C



HBL4720CA



HBL24W47



HBL4723VY



HBL4716C



IP20







NEMA L5-15P

riugs		0.5 HP	1.5 HP	2 HP
Description	Cord Dia.	Catalog Number		
Insulgrip plug, black and white nylon. Multiple drive screws. Fed Spec WC596	.230"720" (5.8-18.3)	HBL4720C	HBL4570C	HBL4770C
Insulgrip plug, black and white, spring termination Fed Spec WC596	.230"720" (5.8-18.3)	HBL4720CST	HBL4570CST	HBL4770CST
All black nylon.	.230"720" (5.8-18.3)	HBL4720CBK	_	_
Insulgrip angle plug, 8 position angle, black and white nylon. Multiple drive screws.	.325"655" (8.3-16.6)	HBL4720CA	HBL4570CA	HBL4770CA
Insulgrip plug, corrosion resistant, yellow and white nylon. Multiple drive screws. Fed Spec WC596	.230"720" (5.8-18.3)	HBL47CM20C	HBL45CM70C	HBL47CM70C
Elastogrip® plug, yellow elastomer, dust tight.	300"655" (7.6-16.6)	HBL2447	_	_
Elastogrip plug, yellow elastomer, water/dust tight.	300"655" (7.6-16.6)	HBL24W47	_	_
Valise® plug, yellow nylon.	.220"660" (5.6-16.8)	HBL4723VY	HBL4573VY	HBL4773VY
Valise® plug, black nylon.	.220"660" (5.6-16.8)	HBL4723VBK	HBL4573VBK	HBL4773VBK

Note: See page B-51 for accessories.

Flanged Inlets

Description	Catalog Number			
Insulgrip flanged inlet, nylon casing, back wired.	HBL4716C	HBL4586C	HBL4786C	
Stainless steel casing, brown phenolic.	HBL4716*	HBL4586*	HBL4786*	
Corrosion resistant, stainless steel casing, yellow melamine.	HBL47CM16*	-	-	

Note: See page B-50 for accessories. HP ratings are AC only.

Only plugs are HP rated.

See page B-69 for technical information on Insulgrip devices.
*These flanged inlets will not accept Valise® connector bodies.





15 Amp, 125, 250 Volts and 277 Volts AC 2 Pole, 3 Wire, Grounding

IP20



NEMA L5-15R





HBL4729C



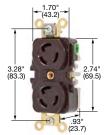
HBL4729CBK



HBL25W47



HBL4729VY



HBL4700



HBL4710



Dimensions in Inches (mm)

onnector Rodies

Connector Bodies		0.5 HP	1.5 HP	2 HP
Description	Cord Dia.	Catalog Number		
Insulgrip connector body, black and white nylon. Multiple drive screws.	.230"720" (5.8-18.3)	HBL4729C	HBL4579C	HBL4779C
Insulgrip connector body, black and white body. Spring Termination	.230"720" (5.8-18.3)	HBL4729CST	HBL4579CST	HBL4779CST
All black nylon.	.230"720" (5.8-18.3)	HBL4729CBK	_	_
Insulgrip connector body, 8 position angle, black and white nylon. Multiple drive screws.	.325"655" (8.3-16.6)	HBL4729CA	-	-
Insulgrip connector body, corrosion resistant, yellow and white nylon. Multiple drive screws.	.230"720" (5.8-18.3)	HBL47CM29C	HBL45CM79C	HBL47CM79C
Elastogrip connector body, yellow elastomer, dust tight.	.300"655" (7.6-16.6)	HBL2547	-	-
Elastogrip® connector body, yellow elastomer, water/dust tight.	.300"655" (7.6-16.6)	HBL25W47**	_	_
Valise® connector body, yellow nylon	220"660" (5.6-16.8)	HBL4729VY	HBL4579VY	HBL4779VY
Valise® connector body, black nylon.	.220"660" (5.6-16.8)	HBL4729VBK	HBL4579VBK	HBL4779VBK
Note: See page B-49 for accessories.				

Recentacles

Receptacies			
Description	Catalog Number		
Duplex, flush, brown RTP face, back and side wired. Duplex, flush, ivory RTP face, back and side wired.	HBL4700* HBL4700I*	HBL4550* -	HBL4750* -
Duplex, flush, brown, spring termination	HBL4700ST	HBL4550ST	HBL4750ST
Duplex, ring terminal connection.	HBL4700RT*	HBL4550RT*	_
Duplex, isolated ground, flush, orange RTP face, back and side wired.	IG4700A*	IG4550A*	-
Duplex, isolated ground, flush, orange face, spring termination	IG4700AST	_	_
Duplex, corrosion resistant, yellow RTP face, back and side wired.	HBL47CM00*	-	-
Single, flush, black nylon face, back and side wired.	HBL4710	HBL4560	HBL4760
Single flush, black face, spring termination	HBL4710ST	HBL4560ST	HBL4760ST
Same as HBL4760 without mounting screws, ears. Terminal screws backed out, back and side wired. This item is bulk packed 100 pcs case.	-	-	HBL4760C
Single, ring terminal connection.	HBL4710RT	HBL4560RT	_
Single, isolated ground, flush, orange nylon face, back and side wired.	IG4710	IG4560	-
Single, Isolated ground, flush, orange, spring termination	IG4710ST	_	_
Single, black nylon face mounted on a 4" (101.6) round box cover, back and side wired.	HBL4711	-	HBL4761
Single, panel mount, black nylon face, side wired only, 1.75" or 1.937" (44.5 or 49.2) mounting centers.	HBL4713	HBL4563	HBL4763
Single, panel mount, black face, spring termination, 1.75" or 1.937" (44.5 or 49.2) mounting centers	HBL4713ST	HBL4563ST	_
Note: See pages R-50 and R-51 for accessories			

Note: See pages B-50 and B-51 for accessories.

Flanged Receptacles

- 1411-9-0-110-0-p-141-0-10-0				
Description	Catalog Number			
Insulgrip flanged receptacle, nylon casing, back wired.	HBL4715C	HBL4585C	HBL4785C	
Stainless steel casing, brown phenolic.	HBL4715	HBL4585	HBL4785	
Corrosion resistant, stainless steel casing, yellow melamine.	HBL47CM15	_	_	

Note: See pages B-50 and B-51 for accessories.

HP ratings are AC only.

RTP is an abbreviation for reinforced thermoplastic polyester.

See section N for additional information on isolated ground devices.

*Supplied with break-off tabs for split circuit wiring.
**Watertight connector body IP55 suitability when closure plug is inserted or when installed and used properly with watertight plug.

Twist-Lock® Devices

Features and Benefits

Insulgrip® 20 and 30 Amp Plugs and Connector Bodies

Our 20 and 30 amp Insulgrip® plugs and connectors maintain Hubbell's classic integrity, solid construction and safety features that make these devices the "industry standard".

Insulgrip's cord gripping design clamps the conductors, not just the cable jacket, making it the industry's most powerful cord grip. The cord grips also provide a clean, one-piece look and makes it stronger.

Insulgrip's design guards against contamination. The nylon body and housing of the plugs and connectors are resistant to industrial chemicals, solvents and hydrocarbons. The face of each plug is molded specific to the blade configuration, eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive double rivet design for the female contacts and an easy to read identification system.

The Hubbell Twist-Lock® line of plugs and connectors remain the broadest in the industry. Hubbell has you covered – proven performance, innovation and selection.







Housing Design

- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized



Internal Design

- Integral dust shield protects wiring chamber from dust or contaminants.
 Single-piece shield/housing eliminates need for separate step at installation
- Wiring chambers separate and positively insulate conductors and promote easy inspection



Cord Range

- Two-part cord grip tightens with two screws for maximum retention force
- Broad gripping area to accommodate wide range of cable diameters



Assembly

• Self-threading screws specially designed for secure assembly



Identification

 Product identification is visible while device is in use. Markings include catalog number and ratings printed in the IEC color scheme on the currentcarrying portion of the device



Contacts

- Improved terminations include #10 multiple drive screws and thicker .080 inch clamping nuts
- Funneled holes to permit "straight-in" conductor insertion
- Contoured binding plates ensures strong wire retention

Insulgrip® Standard Locking Receptacles

Twist-Lock® receptacles combine functional design features, unparalleled quality to deliver ultimate performance.

The high-impact nylon face of each Hubbell Twist-Lock receptacle has a colored ring. Keyed to an internationally recognized color coding scheme, this ring enables mating devices to be matched quickly. It's just one more example of user-oriented thinking at Hubbell.

The terminals in each Hubbell Twist-Lock receptacle are mechanically and electrically the finest available. These terminals incorporate unique design features to contain and hold conductors, including an external back wiring "wraparound" clamp, a wire restraint recess and more.

The materials used in every receptacle are of the highest quality. The all brass mounting system provides a safer, lower resistance ground path than those made of steel. The thick wall base is constructed of an engineered thermoplastic to offer the benefits of a thermoset, yet with much greater impact resistance.

Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside. Any way you look at them, they are the standard of the industry.

















Housing Design

- High-impact, abuse-resistant nylon face
- Glass-Reinforced thermoplastic base (PBT) has the desirable characteristics of a thermoset material, including heat, flame resistance and dimensional stability. The impact resis-tance it provides, however, is much greater than that of a thermoset



Wiring Design

 Wire restraint recess for both back and side wiring, greatly reduces the possibility of loosening the terminal connection



Mounting Strap

 All-brass mounting and grounding system provides a lower resistance ground path and greater resistance to corrosion than steel mounting systems



Terminals

- #10 brass terminal screw provides greater strength and resistance to corrosion and stripping
- Anti-rotational clamp has a stop to limit the amount of cocking when only one side is used. Accommodates both back and side wiring



Identification

- Face color coding by voltage facilitates locating and mating of proper devices
- Boss diameter is 1.562 inch on 20A and 30A devices for simplifying installation and accessory selection



Contacts

 One-piece contact with long spring arm (low stress) and oxide cutting nibs: prevents stress and overheating associated with riveted contact and short spring arms

Watertight Safety-Shroud® Twist-Lock® System

- Virtually eliminates bent and broken plug blades, leading to longer equipment life
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies
- Reduces exposure to arcing when connecting or disconnecting plugs under load
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147





Note: Works with Mechanical Interlocks, see page B-43 for additional information.



Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



Assembly

- Cord grip screw recess minimizes screwdriver slippage
- All screws are #10 multiple drive head



Cord Range

- Assorted TPE seal glands can accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO
- Sealing gland and thermoplastic guard assure sealing when fully connected



Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy duty industrial environments
- Mounting screw recesses minimize screwdriver slippage
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices



Identification

- Catalog number and color-coded voltage rating are easily visible even when in use
- Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected



Spring-Loaded Cover

 One-step, push-to-close, spring-loaded cover with latch allows for fast opening and closing of lift cover

Result: environmental sealing is assured

Safety-Shroud® Twist-Lock® System

- Mates with most NEMA locking connector bodies
- Virtually eliminates bent and broken plug blades
- Provides protection for personnel by reducing chance of inadvertent contact with blades when connecting or disconnecting energized devices
- Reduces exposure to arcing when connecting or disconnecting under load
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Complies with California Code of Regulation, which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance to OSHA regulation 29 CFR 1910.147
- Allows engagement with Mechanical Interlock Enclosure which virtually prevents make and break under load





Note: All screws are #10 multiple drive head. Works with Mechanical Interlocks, see page B-43 for additional information.



Housing Design

 Impact resistant shroud made of engineered thermoplastic protects blades against bending or breaking



Housing Design

- Engineered thermoplastic housing is impact and corrosion resistant, making it suitable for heavy duty industrial environments
- Accepts conventional NEMA locking plugs



Safety

- External keying on plug devices allows quick mating of devices
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147



Safety-Shroud® Twist-Lock® Receptacles

 The Safety-Shroud Twist-Lock single gang receptacles were designed to mount in virtually all standard and FS/FD type boxes, allowing easy conversion of existing NEMA locking receptacles to Safety-Shroud Twist-Lock receptacles



Identification

- Catalog number and color-coded voltage rating are visible even when in use
- Alignment arrows with lock and unlock symbols provide a visual indication that devices are properly connected



Boxes Available

 The semi-flush receptacles can be installed onto 4" or 4"1" square steel wall boxes, which are 2" deep with 1 or 2-gang ½" raised device mud rings. See catalog Section Y for more information.

Twist-Lock® Devices

Compatibility and Environmental Protection Chart

Twist-Lock® Receptacles

Twist-Lock® **Connector Bodies**













Watertight Safety-Shroud

Watertight Safety-Shroud Mechanical Interlock Enclosure

Safety-Shroud

Switched Enclosure NEMA

Watertight Safety-Shroud

Insulgrip

Twist-Lock® Plugs

Watertight Safety-Shroud	YES Type 4X, Type 12	YES Type 4X, Type 12K	YES Type 1	NO	NO	YES Type 4X, Type 12	YES Type 1
Safety-Shroud	YES Type 1	YES Type 1	YES Type 1	NO	NO	YES Type 1	YES Type 1
Insulgrip	YES Type 1	NO	YES Type 1	YES Type 3R	YES Type 1	YES Type 1	YES Type 1

Twist-Lock® Inlets

NEMA	NA	NA	NA	NA	NA	NO	YES Type 1
Watertight Safety-Shroud	NA	NA	NA	NA	NA	YES Type 4X, Type 12	YES Type 1

Type 1 Indoor Type 3R Raintight

Type 4X Hose-directed water and corrosion resistant Type 12 Dust tight, drip-proof without knockouts Type 12K Dust tight, drip-proof with knockouts

YES Interchangeable NO Does not interchange NA Not Applicable

Note: See Technical section for full description of enclosure types.



20 Amp, 250 Volts 2 Pole, 2 Wire, Non-Grounding



20A 250V NEMA L2-20P 2 HP

<u>a.g.c</u>		2 nr
Description	Cord Dia.	Catalog Number
Black and white nylon, polarized, multiple drive screws.	.220"720" (5.6-18.3)	HBL7102C



HBL7102C

Flanged Inlets

Plugs

Description	Catalog Number
Nylon casing, back wired, polarized, multiple drive screws.	HBL8815C

Note: See page B-50 for accessories.

Note: See page B-51 for accessories.



HBL8815C

(=
(0
20A 2

Connector Bodies		NEMA L2-20R 2 HP
Description	Cord Dia.	Catalog Number
Black and white nylon, multiple drive screws.	.220"720" (5.6-18.3)	HBL7101C

Note: See page B-51 for accessories.



HBL7101C

Receptacles

Description	Catalog Number
Single, black phenolic.	HBL7210B
Single, mounted on 4" (101.6) round box cover, black phenolic.	HBL7217B

Note: See pages B-50 and B-51 for accessories.



HBL7210B

Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, back wired, multiple drive screws.	HBL8809C
Metal flange, stainless steel casing, black phenolic, exposed terminals.	HBL3226

Note: See pages B-50 and B-51 for accessories. Only receptacles and plugs are HP rated. HP ratings are AC only.





HBL3226

Dimensions in Inches (mm)





20 Amp, 125, 250 Volts and 277 Volts AC 2 Pole, 3 Wire, Grounding



HBL2321SW



HBL2321S



HBL2311



HBL2311ST



HBL2325SW



Dimensions in Inches (mm)

(1)





UL Type 4x, 12

20A 125V NEMA L5-20P 1 HP

IP66 SUITABILITY

20A 250V NEMA L6-20P

20A 277V AC NEMA L7-20P

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox® clamps.	.360"930" (9-24)	HBL2311SW	HBL2321SW	HBL2331SW
Safety-Shroud [®]			IP20 SUITABILITY	
Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.360"930" (9-24)	HBL2311S	HBL2321S	HBL2331S
Insulgrip [®]			IP20 SUITABILITY	
Description	Cord Dia.	Catalog Number		

Insulgrip®			IP20 SUITABILITY	
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"930" (9-24)	HBL2311	HBL2321	HBL2331
Black and white nylon, spring termination		HBL2311ST	HBL2321ST	HBL2331ST
Corrosion resistant, yellow nylon.	.360"930" (9-24)	HBL23CM11	HBL23CM21	-
All black nylon.	.360"930" (9-24)	HBL2311BK	HBL2321BK	_
All black nylon, spring termination	.360"930" (9-24)	HBL2311STBK	HBL2321STBK	_
Cord clamps with removable inserts. All black nylon.	.360"930" (9-24)	HBL2311EBK	HBL2321EBK	-

Note: See page B-52 for accessories.

Valise [®]			IP20 SUITABILITY	(in (B)
Description	Cord Dia.	Catalog Number		
Yellow nylon.	.325"720" (8.26-18.3)	HBL2311VY	HBL2321VY	HBL2331VY
Corrosion resistant, yellow nylon.	.325"720" (8.26-18.3)	HBL23CM11V	_	_
Black nylon.	.325"720" (8.26-18.3)	HBL2311VBK	HBL2321VBK	HBL2331VBK

Note: See page B-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud®	IP66 su	IP66 SUITABILITY UL Type 4		
Description	Catalog Number			
Gray Valox® housing and flange.	HBL2315SW	HBL2325	sw	HBL2335SW
Gray Valox® housing and flange, reverse service (Not shown).	-	HBL2325	SWR	_
Note: See page B-56 for accessories.				
Insulgrip [®]		IP20 SUITA	BILITY	
Description	Catalog Number			
Nylon casing, back wired.	HBL2315	HBL2325		HBL2335
Nylon casing, spring termination	HBL2315ST	HBL2325	ST	HBL2335ST

Note: See page B-52 for accessories.

See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices. See page B-74 for technical information on Valise® plugs and connectors.



HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-41.







20 Amp, 125, 250 Volts and 277 Volts AC 2 Pole, 3 Wire, Grounding









20A 250V NEMA L6-20F

20A 277V AC NEMA L7-20R 2 HP

2.57" (65.3) DIA.

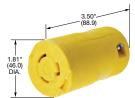
HBL2323SW



HBL2313



HBL2313ST



HBL2313VY





4.56* (115.8)

HBL2320SR Dimensions in Inches (mm)

Connector Bodies

Watertight Safety-Shroud [®]		IP66 su	ITABILITY UL Typ	oe 4x, 12
Description	Cord Dia.	Catalog Number		'
Black Valox® housing, white Valox® clamps.	.360"930" (9-24)	HBL2313SW	HBL2323SW	HBL2333SW
Insulgrip [®]		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"930" (9-24)	HBL2313	HBL2323	HBL2333
Black and white nylon, spring termination	.360"930" (9-24)	HBL2313ST	HBL2323ST	HBL2333ST
Spring termination, all black		HBL2313STBK	HBL2323STBK	_
Corrosion resistant, yellow nylon.	.360"930" (9-24)	HBL23CM13	HBL23CM23	_
All black nylon.	.360"930" (9-24)	HBL2313BK	HBL2323BK	_
Cord clamps with removable inserts. All black nylon.	.360"930" (9-24)	HBL2313EBK	HBL2323EBK	-

Note: See page B-52 for accessories.

 Valise®
 IP20 SUITABILITY

 Description
 Cord Dia.
 Catalog Number

 Yellow nylon.
 .325"-.720" (8.26-18.3) HBL2313VY HBL2323VY

 Black nylon.
 .325"-.720" (8.26-18.3) HBL2313VBK HBL2323VBK HBL2333VBK
 HBL2333VBK

Note: See page B-53 for accessories.

Receptacles

Watertight Safety-Shroud®	IP66 st	JITABILITY UL Ty	pe 4x, 12
Description	Catalog Number		
Gray Valox® housing and flange, back wired.	HBL2310SW	HBL2320SW	HBL2330SW
Note: See page B-54 for accessories.			
Safety-Shroud [®] Twist-Lock [®]		IP20 SUITABILITY	
Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	HBL2310AR	HBL2320AR	HBL2330AR
Gray Valox® surface mounting, one gang, back wired.	HBL2310SR	HBL2320SR	HBL2330SR
Gray Valox® semi-flush, two gang, back wired.	HBL2310SR2	HBL2320SR2	HBL2330SR2
Single Flush Receptacles		IP20 SUITABILITY	
Description	Catalog Number		
Black nylon face, back and side wired.	HBL2310	HBL2320	HBL2330
Black nylon face, spring terminals.	HBL2310ST	HBL2320ST	-
Blue nylon face, back and side wired.	HBL2310M7	HBL2320M4	-
Red nylon face, spring terminals	HBL2310STR	HBL2320STR	_
Isolated ground, orange nylon face,	IG2310	IG2320	_

Note: See page B-52 for accessories.

Corrosion resistant, yellow nylon face,

back and side wired.

back and side wired.

Ring terminal connection.

Insulgrip® Flanged Receptacles

Isolated ground, orange nylon face, spring termination

Description	Catalog Number			
Nylon casing, back wired.	HBL2316	HBL2326	HBL2336	Ī
Nylon casing, back wire, spring termination	HBL2316ST	HBL2326ST	_	Ī

IG2310ST

HBL23CM10

HBL2310RT

HBL2320RT

Note: See page B-52 for accessories.





20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC 3 Pole, 4 Wire, Grounding

Plugs







NEMA L16-20P

HBL2421SW

Watertight Safety-Shroud®	'	IP66 s	SUITABILITY	UL Type 4x, 12
Description	Cord Dia.	Catalog Number		
Black Valox [®] housing, white Valox [®] clamps.	.350"-1.150" (9-29)	HBL2411SW	HBL2421S	W HBL2431SW

Safety-Shroud [®]			IP20 SUITABILI	TY
Description	Cord Dia.	Catalog Number		'
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	HBL2411S	HBL2421S	HBL2431S

Note: See page B-52 for accessories.

4.21" (106.9)

HBL2421S

Insulgrip [®]			IP20 SUITABILIT	Υ
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2411	HBL2421	HBL2431
Black and white nylon, spring termination.	.350"-1.150" (9-29)	HBL2411ST	HBL2421ST	HBL2431ST
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL24CM11	HBL24CM21	HBL24CM31
All black nylon.	.350"-1.150" (9-29)	HBL2411BK	_	-
All black nylon, spring termination	.350"-1.150" (9-29)	HBL2411STBK	-	-

Note: See page B-52 for accessories.



HBL2411

Flanged Inlets

<u> </u>			
Watertight Safety-Shroud®	IP66	SUITABILITY UI	_ Type 4x, 12
Description	Catalog Numb	er	
Gray Valox® housing and flange.	HBL2415SW	HBL2425SW	HBL2435SW
Note: See page B-54 for accessories.	'		

Insulgrip [®]		IP20 SUITABILIT	Υ
Description	Catalog Number		
Nylon casing, back wired.	HBL2415	HBL2425	HBL2435
Nylon casing, spring termination.	HBL2415ST	HBL2425ST	HBL2435ST

Note: See page B-52 for accessories.

See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.



HBL2425SW



HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-41.



Dimensions in Inches (mm)





20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC 3 Pole, 4 Wire, Grounding







Connector Bodies

20A 3Ø 480V AC **NEMA L16-20R**

Watertight Safety-Sh	roud [®]	IP66 SUITABILITY UL		UL 7	. Type 4x, 12	
Description	Cord Dia.	Catalog Number				
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	HBL2413SW	HBL2423	sw	HBL2433SW	
Insulgrip [®]		IP20 SUITABILITY			Y	
Description	Cord Dia.	Catalog Number				

Insulgrip [®]		IP20 SUITABILITY		
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2413	HBL2423	HBL2433
Black and white nylon, spring termination	.350"-1.150" (9-29)	HBL2413ST	HBL2423ST	HBL2433ST
Spring termination, all black		HBL2413STBK	_	_
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL24CM13	HBL24CM23	HBL24CM33
All black nylon.	.350"-1.150" (9-29)	HBL2413BK	_	_

Note: See page B-52 for accessories.

Receptacles

IP66	SUITABILITY	UL Type 4x, 12
Catalog Number		
HBL2410SW	HBL2420S	W HBL2430SW
	Catalog Number	Catalog Number

Note: See page B-54 for accessories.

Safety-Shroud® Twist-Lock®

Salety-Silroud Twist-Lock	IP20 SUITABILITY		<u> </u>
Description	Catalog Number		
Gray Valox® angle housing, one gang, back wired.	HBL2410AR	HBL2420AR	HBL2430AR
Gray Valox® surface mounting, one gang, back wired.	HBL2410SR	HBL2420SR	HBL2430SR
Gray Valox® semi-flush, two gang, back wired.	HBL2410SR2	HBL2420SR2	HBL2430SR2

IP20 SUITABILITY Catalog Number		Υ
HBL2410	HBL2420	HBL2430
HBL2410ST	HBL2420ST	HBL2430ST
IG2410	IG2420	-
IG2420ST	_	-
HBL2410RT	HBL2420RT	_
	HBL2410 HBL2410ST IG2410	Catalog Number HBL2410

Note: See page B-52 for accessories.

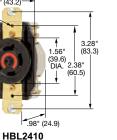
Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2416	HBL2426	HBL2436
Nylon casing, back wire, spring terminatio	HBL2416ST	HBL2426ST	HBL2436ST

Note: See page B-52 for accessories.







Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



HBL2420SR2



HBL2423SW



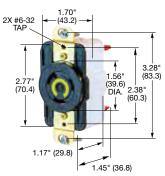
HBL2413



HBL2413ST



HBL2420SW



HBL2430ST







20 Amp, 347, 480, 600 and 125/250 Volts AC 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding



HBL2341



HBL2341ST





2X #6-32 (43.2) (83.3) (39.6) DIA. 2.38" (67.8) (67.8) (67.8)

HBL2340
3X .19" (4.8) DIA. 2.09" (53.1)
2.88" (73.2) DIA.
R. 1.25" 120° TYP.
(31.8) HBL2346

Dimensions in Inches (mm)

IP20









Plugs		NEMA L24-20P	NEMA L8-20P 3 HP	NEMA L9-20P	NEMA L10-20P 2 (1) HP
Description	Cord Dia.	Catalog Number			
Black and white nylon.	.360"930" (9- <u>2</u> 4)	HBL3721	HBL2341	HBL2351	_
Black and white nylon, spring termination		-	HBL2341ST	_	_
Black and white nylon (Not shown).	.300"-1.050" (7.6-26.7)	-	-	-	HBL2361

Note: See page B-52 for accessories.

Flanged Inlets

Description	Catalog Number			
Nylon casing, back wired.	HBL3725	HBL2345	HBL2355	HBL2365
Nylon casing, spring termination.	-	HBL2345ST	_	_

Note: See page B-52 for accessories.











Connector Bodies

Connector Bod	162		3 HP		2 (1) HP
Description	Cord Dia.	Catalog Number			
Black and white nylon.	.360"930" (9-24)	HBL3723	HBL2343	HBL2353	-
Black and white nylon, spring termination	.360"930" (9-24)	_	HBL2343ST	_	-
Black and white nylon (Not shown).	.300"-1.050" (7.6-26.7)	_	-	_	HBL2363

Note: See page B-52 for accessories.

Single Flush Receptacles

Description	Catalog Numb	per		
Black nylon face, back and side wired.	HBL3720	HBL2340	HBL2350	HBL2360
Watertight Safety-Shroud®, gray Valox® housing and flange, back and side wired, (Not shown).	-	HBL2340SW	-	-
Isolated ground, orange nylon face, back and side wired.	-	IG2340	-	-

Note: See page B-52 for accessories.

Flanged Receptacles

Description	Catalog Numbe	r		
Nylon casing, back wired.	HBL3726	HBL2346	HBL2356	HBL2366

Note: See page B-52 for accessories.

See page B-69 for technical information.

See page B-39 for switched enclosure.

See page B-42 for Add-A-Shroud® kit. For use with connector bodies.

Only receptacles and plugs up to 480V AC are HP rated.

HP ratings are AC only.





20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC

4 Pole, 4 Wire, Non-Grounding

IP20







A 3ØY 120/208V NEMA L18-20P

NEMA L19-20P 5 HP

Description Cord Dia. Black and white nylon. .350"-1.150" (9-29)

Catalog Number **HBL2441**

HBL2451

HBL2461

Note: See page B-52 for accessories.

Flanged Inlets

Plugs

Description	Catalog Number		
Nylon casing, back wired.	HBL2445	HBL2455	HBL2465

Note: See page B-52 for accessories.













7	Z	Z
Y 120/208V AC	20A 277/480V AC	20A 347/600V
MA L18-20R	NEMA L19-20R	NEMA L20-2

Connector Bodies

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2443	HBL2453	HBL2463

Note: See page B-52 for accessories.



Single Flush Receptacles

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2440	HBL2450	HBL2460

Note: See page B-52 for accessories.

Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2446	HBL2456	HBL2466

Note: See page B-52 for accessories.

See page B-69 for technical information. See page B-39 for switched enclosure.

See page B-42 for Add-A-Shroud® kit. For use with connector bodies.

Only receptacles and plugs up to 480V AC are HP rated.

HP ratings are AC only.





Dimensions in Inches (mm)





20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC 4 Pole, 5 Wire, Grounding



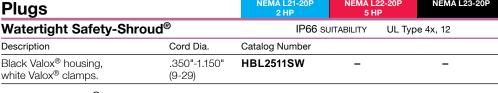


NEMA L22-20F



4.40"_

HBL2511SW



Safety-Shroud [®]			IP20 SUITABILITY	
Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies		HBL2511S	_	-

Note: See page B-40 for accessories.



HBL2511S

Insulgrip [®]			IP20 SUITABILIT	Υ
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2511	HBL2521	HBL2531
Black and white nylon, spring termination.	.350"-1.150" (9-29)	HBL2511ST	HBL2521ST	-
All black nylon.	.350"-1.150" (9-29)	HBL2511BK	-	_
All black nylon, spring termination	.350"-1.150" (9-29)	HBL2511STBK	_	-
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL25CM11	_	-
Black and white for flat cable.	.350"-1.150" (9-29)	HBL2511FC	-	-

Note: See page B-52 for accessories.



HBL2511

Flanged Inlets

Watertight Safety-Shroud®	IP66 SUITABILITY UL T	pe 4x, 12
Description	Catalog Number	
Gray Valox® housing and flange.	HBL2515SW –	_
Note: See page B-52 for accessories.		
Incularin®	ID20 OUTABILITY	

Insulgrip [®]		IP20 SUITABILITY	
Description	Catalog Number		
Nylon casing, back wired.	HBL2515	HBL2525	HBL2535
Nylon casing, spring termination.	HBL2515ST	HBL2525ST	<u>-</u>

Note: See page B-52 for accessories.

See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

HBL2515SW

Twist-Lock® 3-Phase Circuit Tester



Note: Testers in other NEMA configurations can be developed upon request. See page B-53 for additional circuit testers.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



Dimensions in Inches (mm)



HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-41.







20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC

4 Pole, 5 Wire, Grounding







NEMA L23-20R

Connector Bodies

Watertight Safety-Sh	nroud [®]	IP66 SUITABILITY	UL Type 4x, 12
Description	Cord Dia.	Catalog Number	
Black Valox® housing,	.350"-1.150" (9-29)	HBL2513SW -	-

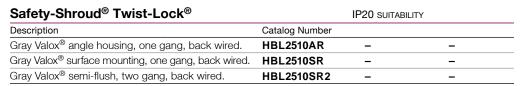
Insulgrip [®]			IP20 SUITABILIT	ГҮ
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2513	HBL2523	HBL2533
Black and white nylon, spring termination	.350"-1.150" (9-29)	HBL2513ST	HBL2523ST	-
Spring termination, all black		HBL2513STBK	_	_
All black nylon.	.350"-1.150" (9-29)	HBL2513BK	_	_
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL25CM13	_	_
Black and white for flat cable.	.350"-1.150" (9-29)	HBL2513FC	_	_

Note: See page B-52 for accessories.



Watertight Safety-Shroud®	IP66 SUITABILITY	UL Type 4x, 12
Description	Catalog Number	
Gray Valox® housing and flange, back wired.	HBL2510SW -	-

Note: See page B-54 for accessories.



Single Flush Receptacles		IP20 SUITABILIT	Υ
Description	Catalog Number		
Black nylon face, back and side wired.	HBL2510	HBL2520*	HBL2530*
Black and white nylon, spring termination.	HBL2510ST	HBL2520ST	_
Isolated ground, orange nylon face,	IG2510	-	-

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2516	HBL2526	HBL2536
Nylon casing, back wire, spring termination	HBL2516ST	HBL2526ST	-
Black nylon casing, back wire, spring termination	HBL2516STBK	_	_

Note: See page B-52 for accessories.







HBL2513SW

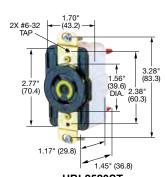
HBL2513



HBL2513ST



HBL2510SW



HBL2520ST



Dimensions in Inches (mm)







30 Amp, 125, 250 Volts and 277 Volts AC 2 Pole, 3 Wire, Grounding







30A 125V NEMA L5-30P 2 HP

IP66 SUITABILITY

UL Type 4x, 12



HBL2611SW



HBL2621S



HBL2621



HBL2611ST





Dimensions in Inches (mm)

Plugs

Description	Cord Dia.	Catalog Number			
Black Valox® housing, white Valox® clamps.	.325"930" (9-24)	HBL2611SW	HBL2621SW	-	
Safety-Shroud®		IP20 SUITABILITY	Y		
Description	Cord Dia.	Catalog Number			
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.360"930" (9-24)	HBL2611S	HBL2621S	-	

Note: See page B-40 for accessories.

Watertight Safety-Shroud®

Insulgrip [®]			IP20 SUITABILITY	
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"930" (9-24)	HBL2611	HBL2621	HBL2631
Black and white nylon, spring termination		HBL2611ST	HBL2621ST	_
Heat stabilized, gray nylon, 220° F (104° C).	.360"930" (9-24)	HBL2611F	HBL2621F	-
Corrosion resistant, yellow nylon.	.360"930" (9-24)	HBL26CM11	HBL26CM21	_
All black nylon.	.360"930" (9-24)	HBL2611BK	HBL2621BK	_
All black nylon, spring termination	.360"930" (9-24)	HBL2611STBK	HBL2621STB	(–
Cord clamps with removable inserts. All black nylon.	.360"930" (9-24)	-	HBL2621EBK	-

Note: See page B-52 for accessories.

Valise [®]			IP20 SUITABILITY	
Description	Cord Dia.	Catalog Number		
Yellow nylon.	.590"930" (15.0-23.6)	HBL2611VY	HBL2621VY	-
Corrosion resistant, yellow nylon.	.590"930" (15.0-23.6)	HBL26CM11V	-	-
Black nylon.	.590"930" (15.0-23.6)	HBL2611VBK	HBL2621VBK	_

Note: See page B-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud®	IP66 su	JITABILITY U	L Type 4x, 12
Description	Catalog Number		
Gray Valox® housing and flange.	HBL2615SW	HBL2625S	w –
Reverse service, gray Valox® housing and flange (use with HBL2613SR), (Not shown).	HBL2615SWR	-	-

Note: See page B-54 for accessories.				
Insulgrip [®]		IP20 SUITABILITY	IP20 SUITABILITY	
Description	Catalog Number			
Nylon casing, back wired.	HBL2615	HBL2625	HBL2635	
Nylon casing, spring termination	HBL2615ST	HBL2625ST	_	
Heat stabilized, gray nylon, 220° F (104° C).	HBL2615F	HBL2625F	_	
Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.	HBL2615M3	-	_	

Note: See page B-52 for accessories.

See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices. See page B-74 for technical information on Valise plugs and connectors.





30 Amp, 125, 250 Volts and 277 Volts AC 2 Pole, 3 Wire, Grounding



NEMA





125V	30A 250V
L5-30R	NEMA L6-30R
LID	O LUD



HBL	2613S
-----	-------

	3.86"	
1.97" (50.0) DIA.		2.26" (57.4) DIA.
		<u> </u>

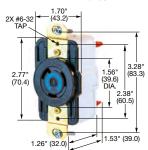
HBL2623



HBL2613ST

HBL2613VY





HBL2610ST



HBL2620SR Dimensions in Inches (mm)

Connector Bodies

Watertight Safety-Shroud®	·	IP66 sur	TABILITY	UL Type	4x, 12
Description	Cord Dia.	Catalog Number			
Black Valox® housing, white Valox® clamps.	.360"930" (9-24)	HBL2613SW	HBL2	623SW	_
Reverse service, black Valox® housing, white Valox® clamps (use with HBL2615SWR). (Not shown).	.360"930" (9-24)	HBL2613SR	-		-

Insulgrip [®]	IP20 SUITABILITY			
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"930" (9-24)	HBL2613	HBL2623	HBL2633
Black and white nylon, spring termination	.360"930" (9-24)	HBL2613ST	HBL2623ST	_
Spring termination, all black		HBL2613STB	K HBL2623STB	(–
Heat stabilized, gray nylon, 220° F (104° C).	.360"930" (9-24)	HBL2613F	HBL2623F	_
Corrosion resistant, yellow nylon.	.360"930" (9-24)	HBL26CM13	HBL26CM23	_
All black nylon.	.360"930" (9-24)	HBL2613BK	HBL2623BK	_

Note: See page B-52 for accessories.

Valise [®]			IP20 SUITABILITY	
Description	Cord Dia.	Catalog Number		
Yellow nylon.	.590"930" (15.0-23.6)	HBL2613VY	HBL2623VY	-
Corrosion resistant, yellow nylon.	.590"930" (15.0-23.6)	HBL26CM13V	-	-
Black nylon.	.590"930" (15.0-23.6)	HBL2613VBK	HBL2623VBK	-
Cord clamps with removable inserts. All black nylon.	.360"930" (9-24)	_	HBL2623EBK	-

Note: See page B-53 for accessories.

Recentacles

neceptacies	
Watertight Safety-Shroud®	IP66 SUITABILITY UL Type 4x, 12
Description	Catalog Number
Gray Valox® housing and flange, back wired.	HBL2610SW HBL2620SW -
Note: See page B-54 for accessories.	

Safety-Shroud® Twist-Lock® IP20 SUITABILITY	
Description Catalog Number	
Gray Valox® angle housing, one gang, back wired. HBL2610AR HBL2620AR -	
Gray Valox® surface mounting, one gang, back wired. HBL2610SR HBL2620SR -	
Gray Valox® semi-flush, two gang, back wired. HBL2610SR2 HBL2620SR2 -	

Single Flush Receptacles		IP20 SUITABILITY	
Description	Catalog Number		
Black nylon face, back and side wired.	HBL2610	HBL2620	HBL2630
Black nylon face, spring terminals.	HBL2610ST	HBL2620ST	_
Blue nylon face, back and side wired.	HBL2610M6	HBL2620M6	_
Isolated ground, orange nylon face, back and side wired.	IG2610	IG2620	_
Isolated ground, orange nylon face, spring termination	IG2610ST	IG2620ST	_
Corrosion resistant, yellow nylon face, back and side wired.	HBL26CM10	HBL26CM20	_
Ring terminal connection.	HBL2610RT	HBL2620RT	_

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2616	HBL2626	HBL2636
Nylon casing, back wire, spring termination	HBL2616ST	HBL2626ST	_
Heat stabilized, gray nylon, 220° F (104° C).	HBL2616F	HBL2626F	_

Note: See page B-52 for accessories.





30 Amp, 125/250 and 3Ø 250 Volts AC 3 Pole, 3 Wire, Non-Grounding and 3 Pole, 4 Wire, Grounding

Plugs

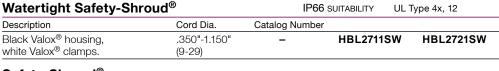








HBL2711SW





HBL2711S

Safety-Shroud [®]			IP20 SUITABILITY	
Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.350"-1.150" (9-29)	-	HBL2711S	HBL2721S

Note: See page B-40 for accessories.

rotor oco pago B ro ror accoccorrosi				
Insulgrip [®]			IP20 SUITABILITY	
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	_	HBL2711	HBL2721
Black and white nylon, spring termination.	.350"-1.150" (9-29)	_	HBL2711ST	HBL2721ST
Black and white nylon, (Not shown).	.300"950" (7.6-24.1)	HBL2661	-	-
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	-	HBL27CM11	HBL27CM21
All black nylon.	.350"-1.150" (9-29)	-	HBL2711BK	-
All black nylon, spring termination	.350"-1.150" (9-29)	_	HBL2711STBK	_

Note: See page B-52 for accessories.



HBL2711

Flanged Inlets

Watertight Safety-Shroud®	IP66	SUITABILITY U	L Type 4x, 12
Description	Catalog Number		
Gray Valox® housing and flange.	_	HBL2715SW	HBL2725SW
Reverse service, gray Valox® housing and flange (use with HBL2713SR), (Not shown).	-	HBL2715SW	/R –

Catalog Number

HBL2665

8	Note: See page B-54 for accessories.
	Insulgrip [®]
	Description
P	Nylon casing, back wired.
	Nylon casing, spring termination.
	Nylon casing, back wired, (Not shown).
1.81" (46.0)	Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.

Note: See page B-52 for accessories.

See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

3X .19" (4.8) DIA R. 1.34" (34.0) HBL2715

HBL2715SW

Dimensions in Inches (mm)



HBLMITL - For use with Watertight Safety-Shroud receptacles and reverse service inlet, see page B-41.

IP20 SUITABILITY

HBL2715

HBL2715ST

HBL2715M3



HBL2725

HBL2725ST





30 Amp, 125/250 and 3Ø 250 Volts AC 3 Pole, 3 Wire, Non-Grounding and 3 Pole, 4 Wire, Grounding



30A 125/250V A0 NEMA L10-30R







Watertight Safety-Shroud®		IP66 su	ITABILITY	UL T	ype 4x, 12
Description	Cord Dia.	Catalog Number			
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	-	HBL2713	SW	HBL2723SW
Reverse service, black Valox® housing, white Valox® clamps (use with HBL2715SWR), (Not shown).	.350"-1.150" (9-29)	-	HBL2713	SR	-



HBL2713SW

Insulgrip [®]			IP20 SUITABILITY	(
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	_	HBL2713	HBL2723
Black and white nylon, spring termination	.350"-1.150" (9-29)	-	HBL2713ST	HBL2723ST
Spring termination, all black			HBL2713STB	K –
Black and white nylon, (Not shown).	.300"950" (7.6-24.1)	HBL2663	_	-
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	_	HBL27CM13	HBL27CM23
All black nylon.	.350"-1.150" (9-29)	_	HBL2713BK	_
Note: See page B-52 for accessories.				



HBL2713

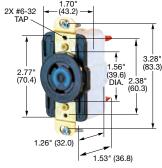
Recentacles

neceptacies				
Watertight Safety-Shroud®	IP66 su	JITABILITY	UL Ty	pe 4x, 12
Description	Catalog Number			
Gray Valox® housing and flange, back wired.	_	HBL2710S	SW	HBL2720SW
Note: See page B-54 for accessories.				
Safety-Shroud® Twist-Lock®		IP20 SUITAE	BILITY	
Description	Catalog Number			
Gray Valox® angle housing, one gang, back wired.	_	HBL2710A	١R	HBL2720AR
Gray Valox® surface mounting, one gang, back wired.	-	HBL27105	SR.	HBL2720SR
Gray Valox® semi-flush, two gang, back wired.	<u>-</u>	HBL27105	R2	HBL2720SR2
Single Flush Receptacles		IP20 SUITAE	BILITY	
Description	Catalog Number			



HBL2710SW

Black nylon face, back and side wired. HBL2710 **HBL2720** Black and white nylon, spring termination. **HBL2710ST HBL2720ST** Black nylon face, back and side wired, (Not shown). HBL2660 Isolated ground, orange nylon face, back and side wired. IG2710 IG2720 Isolated ground, orange face, spring termination **IG2720ST IG2710ST** HBL2710RT HBL2720RT Ring terminal connection.



Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	_	HBL2716	HBL2726
Nylon casing, back wire, spring termination	_	HBL2716ST	HBL2726ST

HBL2720ST



ivote:	See	page	B-52	ior a	acces	SSOME	s.

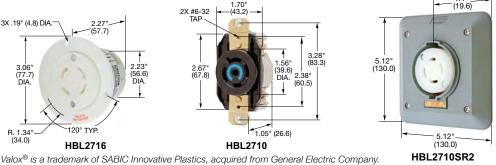




5.12"

HBL2710SR2

Dimensions in Inches (mm)





UL Type 4x, 12



30 Amp, 3Ø 480 and 3Ø 600 Volts AC 3 Pole, 4 Wire, Grounding





10 HP

Catalog Number

HBL2731SW

IP20 SUITABILITY

IP20 SUITABILITY

Catalog Number

HBL2731

HBL2731ST

HBL27CM31

Catalog Number

HBL2731S

IP66 SUITABILITY

Cord Dia.

Cord Dia.

Cord Dia.

(9-29)

(9-29).350"-1.150"

(9-29)

.350"-1.150"

.350"-1.150"

(9-29)

.350"-1.150"

(9-29)

.350"-1.150"

HBL2741SW

HBL2741S

HBL2741

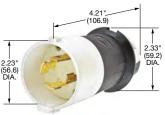
HBL27CM41



HBL2731SW



HBL2731S



Note: See page B-52 for accessories.

Plugs

Description

Description

Insulgrip®

Description

Safety-Shroud®

Black and white nylon.

Note: See page B-42 for accessories.

Corrosion resistant, yellow nylon.

Black and white nylon, spring termination.

Watertight Safety-Shroud®

Black Valox® housing, white Valox® clamps.

Black and white nylon body, white Valox® shroud.

Can be used with the Insulgrip Connector Bodies.





HBL2731

3.75" (95.3) S.Q. 3.13" (79.5) S.Q.	2.44* (62.0)	
	1.81 (46.0 HBL2735SW	

3X .19" (4.8) DIA R. 1.34' (34.0) HBL2735

Dimensions in Inches (mm)

Flanged Inlets

Watertight Safety-Shroud®	IP66 SUITABILITY UL Type 4x, 12		
Description	Catalog Number		
Gray Valox® housing and flange.	HBL2735SW HBL2745SW		
Note: See page B-54 for accessories.			
Insulgrip [®]	IP20 SUITABILITY		
Description	Catalog Number		
Nylon casing, back wired.	HBL2735 HBL2745		
Nylon casing, spring termination.	HBL2735ST -		

Note: See page B-52 for accessories.

See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-41.



Connector Bodies





30 Amp, 3Ø 480 and 3Ø 600 Volts AC 3 Pole, 4 Wire, Grounding





NEMA I 16-30F

30A 3Ø 600V AC NEMA L17-30R

Oddine Bodies		10 HP	
Watertight Safety-Shroud®	IP66	SUITABILITY UL 1	Type 4x, 12
Description	Cord Dia.	Catalog Number	
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	HBL2733SW	HBL2743SW
Insulgrip [®]		IP20 SUITABILIT	Y
Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	HBL2733	HBL2743
Black and white nylon, spring termination	.350"-1.150" (9-29)	HBL2733ST	-
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL27CM33	HBL27CM43



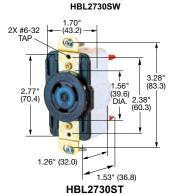
HBL2733











1.71"-(43.4) HBL2730SR

Receptacles

Note: See page B-52 for accessories.

Watertight Safety-Shroud®	IP66 SUITABILITY UL Type 4x, 12
Description	Catalog Number
Gray Valox® housing and flange, back wired.	HBL2730SW HBL2740SW
Note: See page B-54 for accessories.	

Safety-Shroud® Twist-Lock® IP20 SUITABILITY Description Catalog Number HBL2740AR Gray Valox® angle housing, one gang, back wired. HBL2730AR Gray Valox® surface mounting, one gang, back wired. HBL2730SR HBL2740SR Gray Valox® semi-flush, two gang, back wired. HBL2740SR2 HBL2730SR2

Single Flush Receptacles	IP20 SUITABILIT	Y
Description	Catalog Number	
Black nylon face, back and side wired.	HBL2730	HBL2740
Black and white nylon, spring termination.	HBL2730ST	-
Note: See page R-52 for accessories		

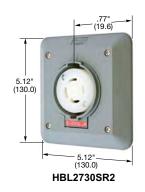
Insulgrip® Flanged Receptacles

ea.gp : iai.gea : ieeeptae.ee		
Description	Catalog Number	
Nylon casing, back wired.	HBL2736	HBL2746
Nylon casing, back wire, spring termination	HBL2736ST	-

Note: See page B-52 for accessories.







Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.





30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC 4 Pole, 5 Wire, Grounding









NEMA L26-30F

NEMA L23-30

4.40"-

HBL2811SW



HBL2811S



HBL2811



3X .19" (4.8) DIA HBL2815

Dimensions in Inches (mm)

Plugs

Watertight Safety-Sh	าroud [®]	IF	66 SUITABILITY	UL Type 4x, 12	!
Description	Cord Dia.	Catalog Number			
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	HBL2811SW	HBL2801	HBL2821SW	HBL2831SV

Safety-Shroud®			IP20 sui	ITABILITY	
Description	Cord Dia.	Catalog Number			
Black and white nylon body, white	.350"-1.150"	HBL2811S	_	_	_
Valox® shroud. Can be used with	(9-29)				
the Insulario Connector Bodies.					

Note: See page R-52 for accessories

Insulgrip [®]			IP20 s	SUITABILITY	
Description	Cord Dia.	Catalog Number			
Black and white nylon.	.350"-1.150" (9-29)	HBL2811	-	HBL2821	HBL2831
Black and white nylon, spring termination.	.350"-1.150" (9-29)	HBL2811ST	_	HBL2821ST	_
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL28CM11	_	-	_
Black and white for flat cable.	.350"-1.150" (9-29)	HBL2811FC	-	-	_
All black nylon.	.350"-1.150" (9-29)	HBL2811BK	-	-	-
All black nylon, spring termination	.350"-1.150" (9-29)	HBL2811STBK	-	-	-

Note: See page B-52 for accessories.

Flanged Inlets

Watertight Safety-Shroud®	IF	P66 SUITABILITY	UL Type 4x, 12	
Description	Catalog Number		-	
Gray Valox® housing and flange.	HBL2815SW	HBL2805	_	_
Note: See page R-54 for accessories				

Insulgrip® IP20 SUITABILITY Description Catalog Number HBL2815 HBL2825 Nylon casing, back wired. **HBL2835 HBL2815ST** Nylon casing, spring termination. **HBL2825ST**

Note: See page B-52 for accessories.
See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

Twist-Lock® 3-Phase Circuit Tester



Note: Testers in other NEMA configurations can be developed upon request. See page B-53 for additional circuit testers.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-41.









30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC

4 Pole, 5 Wire, Grounding









NEMA L26-30R

NEMA L23-30F





HBL2813ST





HBL2813



3.28" (83.3) 1.26" (32.0) 1.53" (36.8)

HBL2820ST



Dimensions in Inches (mm)

Connector Bodies

Watertight Safety-Shroud®			IP66 SUITABILITY	UL Type 4x, 12	
Description	Cord Dia.	Catalog Number			
Black Valox® housing, white Valox® clamps.	.350"-1.150" (9-29)	HBL2813SW	HBL2803	HBL2823SW	-

Insulgrip [®]			IP20 s	UITABILITY	
Description	Cord Dia.	Catalog Number			
Black and white nylon.	.350"-1.150" (9-29)	HBL2813	-	HBL2823	HBL2833
Black and white nylon, spring termination	.350"-1.150" (9-29)	HBL2813ST	-	HBL2823ST	_
Spring termination, all black		HBL2813STBK	_	_	_
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL28CM13	-	-	_
Black and white for flat cable.	.350"-1.150" (9-29)	HBL2813FC	-	-	_
All black nylon.	.350"-1.150" (9-29)	HBL2813BK	-	-	_

Note: See page B-52 for accessories.

Receptacles

Watertight Safety-Shroud®		IP66 SUITABILITY	UL Type 4x, 12	
Description	Catalog Number	f		
Gray Valox® housing and flange, back wired.	HBL2810SW	_	HBL2820SW	HBL2830SW
Note: See page B-54 for accessories.				

Safety-Shroud® Twist-Lock® IP20 SUITABILITY Description Catalog Number Gray Valox® angle housing, HBL2810AR one gang, back wired. Gray Valox® surface mounting, **HBL2810SR** one gang, back wired. Gray Valox® semi-flush, HBL2810SR2 two gang, back wired.

Single Flush Receptacles		IP20 s	SUITABILITY	
Description	Catalog Number			
Black nylon face, back and side wired.	HBL2810	HBL2800	HBL2820	HBL2830
Black and white nylon, spring termination	HBL2810ST	_	HBL2820ST	_
Isolated ground, orange nylon face, back and side wired.	IG2810	-	-	_
Ring terminal connection.	HBL2810RT	_	_	_
Note: Con page P 52 for appropriate				

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number			
Nylon casing, back wired.	HBL2816	_	HBL2826	HBL2836
Nylon casing, back wire, spring termination	HBL2816ST	_	HBL2826ST	_
Black nylon casing, back wire, spring termination	HBL2816STBK	-	_	-

Note: See page B-52 for accessories.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC 4 Pole, 4 Wire, Non-Grounding









2.75" (69.9) 97" 00.0)

HBL2751

3X .19" (4.8) DIA.

Plugs		30A 3ØY 120/208V AC NEMA L18-30P 3 HP	30A 3ØY 277/480V AC NEMA L19-30P 10 HP	30A 3ØY 347/600V AC NEMA L20-30P
Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2751	HBL2761	HBL2771

Note: See page B-53 for accessories.

Flanged Ir	าlets
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Description	Catalog Numbe	er		
Nylon casing, back wired.	HBL2755	HBL2765	HBL2775	

Note: See page B-52 for accessories.







A L20-30R

Connector Bodies		NEMA L18-30R 3 HP	NEMA L19-30R 10 HP	NEMA L2
Description	Cord Dia.	Catalog Number		
Black and white nvlon.	.350"-1.150"	HBL2753	HBL2763	HBL2773

(9-29)

Note: See page B-52 for accessories.

3.96* (98.0) 2.21* (56.1) DIA. HBL2753

HBL2755

Single Flush Receptacles

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2750	HBL2760	HBL2770

Note: See page B-52 for accessories.

2X #6-32 TAP 2.67" (67.8) 3.28" (83.3) (DJA: 2.38" (60.5) (60.5)

1.05" (26.6) HBL2750

Flanged Receptacles

Description	Catalog Number			
Nylon casing, back wired.	HBL2756	HBL2766	HBL2776	

Note: See page B-52 for accessories.

See page B-69 for technical information on Twist-Lock devices.





30 Amp, 480 and 600 Volts AC 2 Pole, 3 Wire, Grounding





NEMA L25-30





Plugs

Description	Cord Dia.	Catalog Numb	er	
Black and white nylon.	.325"930"	HBL2601	HBL2641	HBL2651

Note: See page B-52 for accessories.



Flanged Inlets

Description	Catalog Number			
Nylon casing, back wired.	HBL2605	HBL2645	HBL2655	

Note: See page B-52 for accessories.



IP20

Cord Dia.

(8.25-24)

.325"-.930"



HBL2603





5 HP

NEMA L25-30F NEMA L9-30R Catalog Number

HBL2643



Note: See page B-52 for accessories.

Connector Bodies

Description

Black and white nylon.

3.86" 2.26" (57.4) DIA.

HBL2653

Single Flush Receptacles

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2600	HBL2640	HBL2650

Note: See page B-52 for accessories.

Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	– HBL2	2646 HBL2656

Note: See page B-52 for accessories.

See page B-69 for technical information on Twist-Lock devices.





Features and Benefits

Switched Safety Enclosures

The Switched Twist-Lock® and Hubbellock® Enclosures integrate a receptacle and a switch to produce distinct advantages for the user. This enclosure replaces box, switch, cover and all in a compact design that meets Type 3R Rainproof or 12K Dust-tight requirements.

The receptacle is angled downward for a low profile, and it maintains a low profile while accommodating either a 20 or 30 Amp Twist-Lock receptacle or 30 Amp, 4 wire Hubbellock receptacle. The enclosure can be used in top, bottom or back feed applications. The handle is designed to be locked in the OFF position for lockout protection.

Hubbell has developed the Switched Safety Enclosure because users want to be able to disconnect higher voltage devices confidently. Hubbell responded with a line of Switched Safety Enclosures for Twist-Lock and Hubbellock receptacles.

The provision of the integral switch and the receptacle in a compact, non-metallic enclosure encourages the safe operating practice of disconnecting at the switch rather than the plug and receptacle.

For plants and factories in a wide variety of industries, as well as light industrial facilities, Hubbell's Switched Enclosures offer an upgrade that's convenient, compact and easy to install.





Housing Design

- Angled 20 or 30 amp Hubbell Twist-Lock receptacle provides low profile and helps control cable arc of bend
- Large receptacle gasketless door and hinge assembly
- Enclosure back is designed for top, bottom or back feed options



Internal Design

- Horsepower rated switch
- Heavy duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch



Safety

 Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements



Wiring

 Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components



Installation

 Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations

Switched Twist-Lock® and Hubbellock® Enclosures



UL Listed, CSA Certified Type 3R and 12K Enclosure Rating

Switched Enclosure Ready for Twist-Lock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept any Hubbell 20 or 30A Twist-Lock receptacle.

Description	Ratings	Catalog Number
Switched Twist-Lock enclosure accommodates any NEMA 2 pole, 3 wire to 4 pole, 5 wire grounding receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the NEMA 20 or 30A Twist-Lock receptacle selected.	SETL3
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	HBLAC2



Completely pre-wired with a Twist-Lock receptacle, these application oriented combinations are available to satisfy your needs.

Description	Amps	Voltage	NEMA Config.	Horsepower	Switched Enclosure	Use Twist-Lock Plug
Switched Twist-Lock enclosure with a pre-wired HBL2720 receptacle.	30	3Ø 240V AC	L15-30R	3	SE2720A	HBL2721
Switched Twist-Lock enclosure with a pre-wired HBL2730 receptacle.	30	3Ø 480V AC	L16-30R	10	SE2730A	HBL2731

Switched Enclosure Ready for Hubbellock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept your 30A, 4 wire Hubbellock receptacle choice.

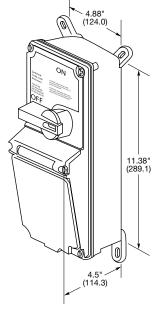
Description	Ratings	Catalog Number
Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the 4 wire Hubbellock receptacle selected.	SEHBL3
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	HBLAC2



Description	Catalog Number
For 30A switches.	HBLRFT1∆

Note: ^A Package of 10 feet and 10 screws.

See page B-72 for technical information on Switched Safety Enclosures.







SE2720A



HBLAC1



HBLAC₂



HBLRFT1

Features and Benefits

Mechanical Interlock Switched Safety Enclosures

Hubbell offers the only mechanical interlock for Twist-Lock®. This new, unfused mechanical interlock for Watertight Safety-Shroud® Twist-Lock® integrates a watertight receptacle with a linked disconnect switch to provide a mechanically interlocked receptacle. This virtually eliminates the possibility of making or breaking the circuit while under load or making a casual or "lazy" connection.

The switch cannot be turned ON until the plug is properly inserted and locked, and the plug cannot be removed until the switch is turned OFF. All these protective features are included in a compact Type 4X hose-directed water and corrosion resistant enclosure that allows for top, bottom or back feed options.

The non-metallic enclosure is nonconductive, yet has an internal frame to assure ground continuity with metallic conduit.

In addition, this interlock works with all Safety-Shroud Twist-Lock Plugs. The new unfused mechanical interlock for Watertight Safety-Shroud Twist-Lock can be locked out as a method of compliance with OSHA lockout/tagout regulations.





Housing Design

- Angled 20 or 30 amp Hubbell Watertight Safety-Shroud Twist-Lock receptacle provides watertight, low profile and mechanical interlock capabilities (ordered separately)
- Enclosure back is designed for top, bottom or back feed options



Internal Design

- Horsepower rated switch
- Heavy duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch



Safety

- Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements
- Heavy duty interlock linkage prevents make and break under load



Wiring

 Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components, while speeding installation by making it easier to pull conductors



Installation

 Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations

Mechanical Interlock Switched Safety Enclosures



UL Listed, CSA Certified TYPE 4, 4X and TYPE 12K Enclosure Rating

IP66

Mechanical Interlock Ready for Twist-Lock® Receptacle Addition

This unit is a complete enclosure ready to accept any 20 or 30A Watertight Safety-Shroud Twist-Lock Receptacle.

Description	Ratings	Catalog Number
Mechanical Interlock	Amperage and voltage ratings will be determined	HBLMITL
accommodates 20A or 30A	by the choice of the Watertight Safety-Shroud	
Watertight Safety-Shroud	Twist-Lock selected. Supplied with ¾" NPT Hub.	
Twist-Lock recentacles	··	

Accepts the following Watertight Safety-Shroud® Twist-Lock® Receptacles: 20 Amp

_ vp					
Rating	Voltage AC	NEMA Config.	Max. HP Rating*	Receptacle Catalog Number	Use Watertight Safety-Shroud Twist-Lock Plug
2 Pole, 3 Wire	120	L5-20	1	HBL2310SW	HBL2311SW
	208-240	L6-20	2.5	HBL2320SW	HBL2321SW
	277	L7-20	3	HBL2330SW	HBL2331SW
3 Pole, 4 Wire	120/240	L14-20	2.5	HBL2410SW	HBL2411SW
	240 3Ø	L15-20	5 (3@208V)	HBL2420SW	HBL2421SW
	480 3Ø	L16-20	10	HBL2430SW	HBL2431SW
4 Pole, 5 Wire	120/208 3ØY	L21-20	3	HBL2510SW	HBL2511SW
30 Amp					
2 Pole, 3 Wire	120	L5-30	1	HBL2610SW	HBL2611SW
	208-240	L6-30	3	HBL2620SW	HBL2621SW
3 Pole, 4 Wire	120/240	L14-30	3	HBL2710SW	HBL2711SW
	240 3Ø	L15-30	7.5	HBL2720SW	HBL2721SW
	480 3Ø	L16-30	15	HBL2730SW	HBL2731SW
	600 3Ø	L17-30	15	HBL2740SW	HBL2741SW
4 Pole, 5 Wire	120/208 3ØY	L21-30	7.5	HBL2810SW	HBL2811SW
	277/480	L22-30	7.5	HBL2820SW	HBL2821SW
	347/600	L23-30	7.5	HBL2830SW	HBL2831SW
30 Amp Reve	erse Service				
2 Pole, 3 Wire	120	L5-30	1	HBL2615SWR	HBL2613SR
3 Pole, 4 Wire	120/240	L14-30	3	HBL2715SWR	HBL2713SR
3 Pole, 4 Wire	240 3Ø	L15-30	7.5	HBL2725SWR	HBL2723SR



rustinary contacto		
Description	Ratings	Catalog Number
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	HBLAC2

Replacement Parts

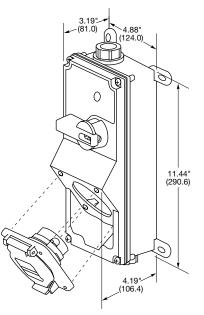
riopiacoment i arto	
Description	Catalog Number
Ground block.	HBL30RGB
Neutral block.	HBL30RNB
Replacement switch.	HBLDS3RS

Replacement Mounting Feet

Description	Catalog Number
For 30A switches.	HBLRFT1∆

Note: *HP ratings for the final unit are determined by the HP rating of the switch, limited by the full load current capability of the receptacle at 80% of rated current, number of phases and line voltage. HP ratings listed above are AC only.
^Package of 10 feet and 10 screws.

See page B-73 for technical information on Mechanical Interlock Enclosures.



HBLMITL



HBL2620SW



HBLAC2



HBL30RNB



HBLRFT1

ADD-A-SHROUD® and Adapters



Safety-Shroud® Twist-Lock® - 20 and 30 Amp

The Add-A-Shroud® devices allow conversion of existing 20A and 30A 3 to 5 wire Hubbell Insulgrip® Twist-Lock devices to a Safety-Shroud Twist-Lock plug. These devices provide a convenient and cost-effective way to convert existing Hubbell Insulgrip Twist-Lock plugs to Safety-Shroud Twist-Lock plugs. The Safety-Shroud Twist-Lock plug permits engagement with the Hubbell Mechanical Interlock Enclosure which virtually prevents make and break under load.

Add-A-Shroud® Catalog Number HBLSS3

For conversion of all 3 wire Hubbell Insulgrip Twist-Lock Devices.



Rating	Voltage AC	NEMA Config. Reference Number	Plug Catalog Number	Add-A-Shroud Catalog Number
20A, 2 Pole 3 Wire Grounding	125V	L5-20	HBL2311	HBLSS3
	250V	L6-20	HBL2321	HBLSS3
	277V AC	L7-20	HBL2331	HBLSS3
	480V AC	L8-20	HBL2341	HBLSS3
	600V AC	L9-20	HBL2351	HBLSS3
30A, 2 Pole 3 Wire Grounding	125V	L5-30	HBL2611	HBLSS3
	250V	L6-30	HBL2621	HBLSS3
	277V AC	L7-30	HBL2631	HBLSS3
	480V AC	L8-30	HBL2641	HBLSS3
	600V AC	L9-30	HBL2651	HBLSS3

Add-A-Shroud® Catalog Number HBLSS45

For conversion of all 4 and 5 wire Hubbell Insulgrip Twist-Lock Devices.

Watertight Safety Shroud - Deluxe Cord Grip and **Metallic Liquidtight Conduit Fitting Adapters**



Rating	Voltage AC	NEMA Config. Reference Number	Plug Catalog Number	Add-A-Shroud Catalog Number
20A, 3 Pole 4 Wire Grounding	125/250V AC	L14-20	HBL2411	HBLSS45
	3Ø 250V AC	L15-20	HBL2421	HBLSS45
	3Ø 480V AC	L16-20	HBL2431	HBLSS45
30A, 3 Pole 4 Wire Grounding	125/250V AC	L14-30	HBL2711	HBLSS45
	3Ø 250V AC	L15-30	HBL2721	HBLSS45
	3Ø 480V AC	L16-30	HBL2731	HBLSS45
	3Ø 600V AC	L17-30	HBL2741	HBLSS45
20A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-20	HBL2511	HBLSS45
	3ØY 277/480V AC	L22-20	HBL2521	HBLSS45
	3ØY 347/600V AC	L23-20	HBL2531	HBLSS45
30A, 4 Pole 5 Wire Grounding	3ØY 120/208V AC	L21-30	HBL2811	HBLSS45
	3ØY 277/480V AC	L22-30	HBL2821	HBLSS45
	3ØY 347/600V AC	L23-30	HBL2831	HBLSS45



WTSS234



WTSS234SS





3 Wire, Anodized Aluminum	.250"750"	WTSS234
3 Wire, Stainless Steel	.250"750"	WTSS234SS
4 and 5 Wire, Anodized Aluminum	.250"750"	WTSS334
4 and 5 Wire, Stainless Steel	.250"750"	WTSS334SS

Adapter for Use with 1" NPT Fittings

Adapter for Use with 3/4" NPT Fittings

Description	Cord Dia.	Catalog Number
4 and 5 Wire, Anodized Aluminum	.375" - 1.00"	WTSS310
4 and 5 Wire, Stainless Steel	.375" - 1.00"	WTSS310SS

Description

Cord Dia.

Catalog Number

Non-NEMA 10 Amp, 250 Volts, 15 Amp 125 Volts 3 Pole, 3 Wire, Non-Grounding and 2 Pole, 3 Wire, Grounding

For Replacement Use Only







Plugs Not Grounded Not UL listed Description Cord Dia. Catalog Number Black and white nylon. 230"-.720" **HBL7567C** Multiple drive screws. (5.8-18.3)230"-.720" HBL7567CY Yellow and white nylon. (5.8-18.3)Multiple drive screws.

Note: See page B-51 for accessories.

Flanged Inlets

Description	Catalog Number	
Stainless steel casing.	HBL7556	HBL7556G



HBL7567C



HBL7556

For Replacement Use Only







Grounded Not UL listed

Connector Bodies

Description	Cord Dia.	Catalog Number	
Insulgrip connector, black and white nylon. Multiple drive screws.	230"720" (5.8-18.3)	HBL7565C	-
Insulgrip connector, yellow and white nylon. Multiple drive screws.	230"720" (5.8-18.3)	HBL7565CY	-
Black phenolic.	.296"625" (7.5-15.9)	HBL7555	HBL7555G

Note: See page B-51 for accessories.

(38.9)**HBL7565C**

	(43.2)	
3.28" (83.3)	2.77 (69)	4" .5)
*	000	

HBL7580

Receptacles

Description	Catalog Number	r
Duplex, black RTP*, back and side wired.	HBL7580	HBL7580G
Single, black phenolic, back and side wired.	HBL7582	HBL7582G

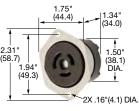
Note: See page B-50 for accessories.

Flanged Receptacles

Description	Catalog Number	
Stainless steel casing.	HBL7557	HBL7557G

Note: *RTP is an abbreviation for reinforced thermoplastic.

The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL7557

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA 20 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding



HBL9965C



For Replacement	Use Only
-----------------	----------





Pluge

riugs		Not UL Listed	Not UL Listed
Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"930" (9-24)	HBL9965GCB	HBL9965C
Corrosion resistant, yellow nylon.	.360"930" (9-24)	-	HBL99CM65C

Note: See page B-52 for accessories.

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	-	HBL3325C

Note: See page B-52 for accessories.



HBL7411C

For Replacement Use Only







Pluas

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	HBL7411GCB	HBL7411C

Note: See page B-52 for accessories.



Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	_	HBL7408C

Note: See page B-52 for accessories.

The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA 20 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding 2P 3W

For Replacement Use Only

IP20





Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"930" (9-24)	HBL7314GCB	HBL7314C
Corrosion resistant, yellow nylon.	.360"930" (9-24)	-	HBL73CM14C

Note: See page B-52 for accessories.

Single Flush Receptacles

Description	Catalog Number	
Black nylon face, back wired.	HBL7310BG	HBL7310B

Note: See page B-52 for accessories.

Flanged Receptacles

Catalog Number		
-	HBL3326C	

Note: See page B-52 for accessories.

For Replacement Use Only







Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	HBL7413GCB HBL7413C

Note: See page B-52 for accessories.

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	HBL7410BG	HBL7410B
Mounted on a 4" (101.6) round metal cover.	-	HBL7417B

Note: See page B-52 for accessories.

Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	_	HBL7409C

Note: See page B-52 for accessories.

The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL7314C

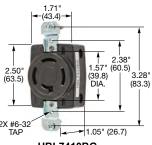


3X .19"(4.8) DIA. 2.09"_ (53.1) 2.88 (73.2) DIA. 120° TYP R. 1.25'

HBL3326C



HBL7413GCB



HBL7410BG



Dimensions in Inches (mm)

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.



Non-NEMA 20 Amp, 250 Volts, 10 Amp, 600 Volts AC 4 Pole, 5 Wire, Grounding



HBL3521C



For Replacement Use Only





Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	HBL3521C
Black and white nylon, spring termination		HBL3521CST

Note: See page B-52 for accessories.

Flanged Inlets

Description	Catalog Number
Insulgrip nylon casing, back wired.	HBL3524C

Note: See page B-52 for accessories.



HBL3523C





Dimensions in Inches (mm)





Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	HBL3523C
Black and white nylon, spring termination		HBL3523CST

Note: See page B-52 for accessories.

Single Flush Receptacles

Description	Catalog Number
Black thermoset, back wired.	HBL3520

Note: See page B-52 for accessories.

Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, back wired.	HBL3525C

Note: See page B-52 for accessories.

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Non-NEMA 30 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC 2 Pole, 3 Wire, Grounding and

3 Pole, 3 Wire, Non-Grounding

For Replacement Use Only







Insulgrip® Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"930" (9-24)	HBL3331GC	HBL3331C

Note: See page B-52 for accessories.



HBL3331GC

Insulgrip® Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	-	HBL3334C

Note: See page B-52 for accessories.



For Replacement Use Only







Insulgrip® Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	HBL3431GCB HBL3431C

Note: See page B-52 for accessories.

The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

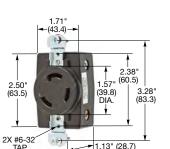


HBL3431C

Non-NEMA 30 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding



HBL3333GC



HBL3330G





HBL3433C



For Replacement Use Only







Insulgrip® Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon.	.360"930" (9-24)	HBL3333GC HBL3333C

Note: See page B-52 for accessories.

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	HBL3330G	HBL3330

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	-	HBL3335C

Note: See page B-52 for accessories.

For Replacement Use Only







Insulgrip® Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	HBL3433GCB	HBL3433C

Note: See page B-52 for accessories.

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	HBL3430G	HBL3430

Note: See page B-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number
Nylon casing, back wired.	HBL3435CM2 -

Note: See page B-52 for accessories.

The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.



Non-NEMA 30 Amp, 250 Volts DC Max. and 600 Volts AC Max. 50 - 400Hz Non-NEMA 20 Amp, 3ØY 120/208 Volts AC 400Hz

Variload® Twist-Lock® Devices

In many large plants and laboratories the number of circuits of different ratings and frequency is greater than the number of blade configurations available in conventional wiring devices.

Prior to NEMA configuration standardization the solution was "Variload® Twist-Lock®" devices with four non-interchangeable center pin and slot configurations that can be assigned within the same premises to circuits of same voltage, frequency and supply (AC or DC), in accordance with NEC® 406.4(F) and 406.8 and with CE Code, Part I, Rule 26-700(3).



HBL45315



HBL45335



-(43.7)2 38" 1.72" (60.5) 2.69 (43.7)1.02"(25.9)

30A, 250V DC Max. and 600V AC Max. 50 - 400Hz

Center Pin				
Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles
	HBL45115	-	HBL45135	HBL45105
A	HBL45215	-	HBL45235	HBL45205
*	HBL45315	-	HBL45335	HBL45305

20A 3ØY, 120/208V AC Only, 400Hz

•	HBL45915 [†]	HBL45985CL [†]	HBL45935 [†]	HBL45905 [†]	
Center Pin Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles	

Note: †ULL isted only.

Receptacle Wallplates

Description	Single Receptacle with Face Dia. 1.74" (44.2) Catalog Number
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.	SS725



HBL45305

SS725

IP55*

Weatherproof Boots

Description	Catalog Number
Seal-Tite® black elastomer for Variload® plugs.	HBL6027**
Seal-Tite® black elastomer for Variload® connector bodies.	HBL6028**

Note: *When installed and used properly with plug and connector body combinations.



HBL6027



HBL6028

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

^{**} Weatherproof boots not UL Listed, nor CSA Certified.



Accessories for 15 Amp 2 and 3 Wire Devices







SS7



HBL5206WO



HBL5221



HBL7423WO



Wallplates, 1-Gang

Description	Color	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Nylon, smooth.	Brown Ivory	P8 P8I	P7 P7I
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.		SS8	SS7
Stainless steel 430, .035 in. (0.9), horizontal brushed finish.		SS8L	SS7L
Brass .04 in. (1.0), horizontal brushed finish.		SB8	SB7
Aluminum .05 in. (1.3), horizontal brushed finish.		SA8	SA7

IP44

Weatherproof Covers

Description	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Cast aluminum, for standard horizontal box mount.	HBL5205WO	_
Same as above except FS/FD box mount.	HBL5206WO	_
Cast aluminum vertical FS/FD box mount.	-	HBL7420
Gray thermoplastic, vertical standard box mount, corrosion resistant.	HBL5222	_
Same as above except yellow.	HBL52CM22	_
Gray thermoplastic, vertical FS/FD box mount, corrosion resistant.	HBL5221	HBL7423WO
Yellow thermoplastic, vertical FS/FD box mount, corrosion resistant.	HBL52CM21	HBL74CM23WO
White thermoplastic, vertical FS/FD box mount, corrosion resistant.	HBL52CM21W	-

IP44

Weatherproof Covers for 15A Nylon Flanged Receptacles and Inlets

Description	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Gray thermoplastic, corrosion resistant.	_	WP1

Note: All weatherproof covers listed above are UL Listed for wet and damp locations with cover closed. Those with suffix WO are UL Listed with cover open. See page O-21 for additional information on weatherproof covers.

Accessories for 15 Amp 2 and 3 Wire Devices

Tinted lid is aesthetically pleasing in any location.
 High-impact, polycarbonate while-in-use cover will not rust or corrode; cover is NEMA 3R rated



Pool Kit Contains:

- Heavy duty, industrial grade locking receptacle NEMA L5-20, 20A 125V
- Single-pole switch (20A, 120-277V AC)
- Two gang, 2 inch deep die-cast aluminum weatherproof box with (4) ¾ inch threaded outlets
- Two gang, weatherproof while-in-use cover
- Includes mounting hardware, gasket, wire connector and (3) closure plugs
- Complete assembly instructions

Pool Pump Kit





Weatherproof, Seal-Tite®, Triple Seal Boots for 15A Insulgrip® Devices

Description	For 3 Wire Devices	For 3 Wire EdgeConnect™ Devices
"Black elastomer boot for plugs when used in a cord set and connector bodies when used with a flange inlet"	HBL6023	HBL6023ST
Same as above except yellow elastomer.	HBL60CM23	HBL60CM23ST
Black elastomer boot for connector bodies when used in cord sets.	HBL6024	HBL6024ST
Same as above except yellow elastomer.	HBL60CM24	HBL60CM24ST

Note: *When installed and used properly with plug and connector body combinations.

PLUGOUT® Lockout Devices

Description	Catalog Number
Lockout device for 15A and 20A straight blade plugs.	HLDMP
Lockout device for attachable 20 and 30A plugs, straight body or angle types, with or without weatherproof covers.	HLD

Note: See section BB for additional information on PLUGOUT Lockout devices.



HBL6023



HBL6024



HBL7529A



HLDMP



Accessories for 20 and 30 Amp 3, 4 and 5 Wire Devices





P720BK

SS720



HBL7425WOA



HBL2899



HBL3PT2511



HBLT26CM11



HBLSTRB

Wallplates, 1-Gang

Description	Color	Single Receptacles with Face Dia. 1.60" (40.6)
Nylon, smooth.	Black	P720BK
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.		SS720
Brass .04 in. (1.0), horizontal brushed finish.		SB720

		_
Weather	nroof (Covers

modulio, proof octors	
Description	Single Receptacles with Face Dia. 1.60" (40.6)
Cast aluminum, for FS/FD box mounting.	HBL7420
Gray thermoplastic, for FS/FD box mounting, corrosion resistant.	HBL7425WOA
Same as above except vellow.	HBL74CM25WOA

Weatherproof Covers for Flanged Inlets and Flanged Receptacles

IP44	
SUITABILITY	

Description	Single Receptacles with Face Dia. 1.60" (40.6)
Gray thermoplastic, corrosion resistant.	WP2

Note: Weatherproof covers are UL Listed for wet and damp location with cover closed. Those with suffix WOA are UL Listed with cover open.

See page O-21 for additional information on weatherproof covers.

Closure Cover for 3 Wire Flanged Inlets

Description	Catalog Number
Rubber closure plug.	HBL2899

Note: Closure cover not UL Listed, CSA Certified.

Twist-Lock® Circuit Testers



		20	20 Amp		30 Amp	
Description	Rating	Configuration	Catalog Number	Configuration	Catalog Number	
3-Phase Circuit Tester	3Ø 120/208V AC Min. Volt.: 90V AC	NEMA L21-20P	HBL3PT2511	NEMA L21-30P	HBL3PT2811	
Circuit Tester	125V	NEMA L5-20P	HBLT2311	NEMA L5-30P	HBLT2611 HBLT26CM11 (Marine)	
	250V	NEMA L6-20P	HBLT2321	NEMA L6-30P	HBLT2621	
	277V	NEMA L7-20P	HBLT2331			
	125/250V	NEMA L14-20P	HBLT2411	NEMA L14-30P	HBLT2711	
	347V	NEMA L24-20P	HBLT3721			
	128/208V AC	Non-NEMA	HBLT3521			

Note: Testers in other NEMA configurations can be developed upon request.

Single Flush Receptacles

Oligie i lasii ricceptacies	
Description	Catalog Number
Removal Bridge, for use with all Twist-Lock Edge Series receptacles	HBLSTRB

Accessories for 20 and 30 Amp 3. 4 and 5 Wire Devices

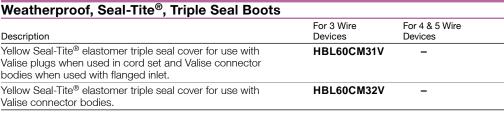
Insulgrip® Plug and Connector Body Latching Kit

The Hubbell latching kit provides both improved safety and security through a double locking feature that makes unintentional disconnection virtually impossible – even under high vibration situations. The plug and connector body lock once when first connected, then again when you push the special position locking slide into place.

Insulgrip[®] Latching Kit

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
For all 20A and 30A Twist-Lock Insulgrip plugs and connectors.	SK2	SK3





IP55*

Note: *When installed and used properly with plug and connector body combinations.

Insulgrip[®]

Weatherproof, Seal-Tite®, Triple Seal Boots

Description	For 3 Wire Devices	For 3 Wire EdgeConnect™ Devices	For 4 & 5 Wire Devices	For 4 & 5 Wire EdgeConnect™ Devices
"Black elastomer boot for plugs when used in a cord set and connector bodies when used in flanged inlets."	HBL6031	HBL6031ST	HBL6035	HBL6035ST
Same as above except yellow.	HBL60CM31	HBL60CM31ST	HBL60CM35	HBL60CM35ST
Black elastomer boot for connector bodies when used in a cord set.	HBL6032	HBL6032ST	HBL6036	HBL6036ST
Same as above except yellow	HBL60CM32	HBL60CM32ST	HBL60CM36	HBL60CM36ST

Angle Adapter

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Nylon, angle adapter for Insulgrip plugs and connector bodies, cord grip range .325"930" (8.3-24).	HBL3WAA	HBL45WAA
PLUGOUT® Lockout Devices		

Lockout Devices

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Lockout device for attachable 20 and 30A locking plugs, straigh body or angle types, with or without weatherproof covers.	nt HLD	HLD
Lockout device for 20 and 30A 3 wire angle plugs and watertight Safety-Shroud® Twist-Lock® plugs.	HLD2	HLD2

Note: See section BB for additional information on PLUGOUT Lockout devices.

*When installed and used properly with plug and connector body combinations. For quick visual identification of circuits or configurations.

Colored Cord Clamps*

Description	Color	For 3 Wire Devices	For 4 & 5 Wire Devices
For use with 20A and 30A Insulgrip® Twist-Lock® Plugs and Connectors. Cord diameter: 3 wire .350"930" (9-24), 4 & 5 wire .350" – 1.150" (9-29)	Black Blue Brown Dark Blue Green Orange Red Teal White Yellow	HBLTL2CCBK HBLTL2CCBL HBLTL2CCBR HBLTL2CCGR HBLTL2CCOR HBLTL2CCOR HBLTL2CCRD HBLTL2CCTL HBLTL2CCWH HBLTL2CCYL	HBLTL3CCBK HBLTL3CCBR HBLTL3CCDB HBLTL3CCGR HBLTL3CCOR HBLTL3CCRD HBLTL3CCTL HBLTL3CCWH HBLTL3CCYL

Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.









HBL60CM31V



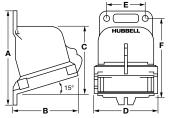
HBL6032

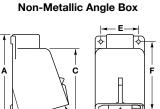




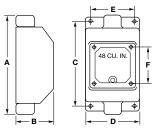


Safety-Shroud® Twist-Lock® Accessories

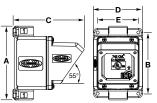




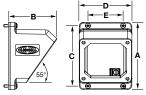
Metallic Angle Box



Metallic Feed Thru Box



AB203055



AA203055



HBL2030AP



AA2030PS

Dimensions in Inches (mm)

15° Angle Non-Metallic Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)		2.35" (59.7)	4.92" (125.0)	30.00"	BB2030N

Note: Hub is not included; order Raco part number 1704. This box meets IP69k requirement and Type 4X requirements when installed with a watertight conduit hub.

15° Angle Metallic Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock	3/4"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	BB201W
Receptacles and Inlets.	1"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	BB301W

Metallic Feed Thru Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock	3/4"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	FT202W
Receptacles and Inlets.	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	FT302W

Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).

55° Angle Metallic Adapter and Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	6.80" (172.4)	5.63" (142.9)	6.60" (167.0)	4.50" (114.3)	3.74" (95.0)	-	45.27"	AB203055

55° Angle Metallic Adapter with Grounding Lug

Description	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	4.89" (172.4)	3.33" (167.0)		3.75" (114.3)	2.50" (95.0)	-	25.00"	AA203055

Straight Watertight Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes.	HBL2030AP

Non-Watertight Angle Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 411/16" square).	AA2030PS

Features and Benefits

50 Amp Plugs and Connector Bodies

Hubbell's 50 amp Twist-Lock® devices feature a heavy duty design built for heavy duty applications. These Hubbell 50 amp Twist-Lock plugs and connector bodies are built to go where you need power, even in some of the harshest environments.

On the outside, 50 amp plugs and connectors are made of super tough nylon for better impact resistance. On the plug, the stainless steel shroud not only provides protection and durability, but safety as well. That's because the rigid construction restricts distortion, thus minimizing the possibility of mating incorrect devices.

On the inside are the kinds of features that separate Hubbell from all the rest. The cord grip has been designed with offset gripping jaws to securely hold the conductors – not just the cord jacket. Hubbell's box terminals speed wiring and provide a superior termination. The plug's thermoplastic polyester interior provides excellent heat resistance without compromising strength.

In all, it's the combination of function and performance that Hubbell demands of all its products. That is why we will never add a feature that compromises performance.

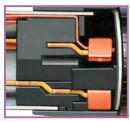






Housing Design

- Housing assembly latch slotted to fit standard flat-blade screwdriver providing secure assembly and fast disassembly for wiring
- Super tough nylon housing offers better impact qualities



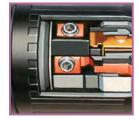
Internal Design

- Thermoplastic polyester interior provides heat resistance and impact strength
- 6/6 nylon nose thermoplastic polyester terminal cover provides heat resistance in terminal area and impact strength of nose piece



Safety

- Stainless steel shroud restricts mismating with the wrong device
- Padlock capable shroud allows compliance to OSHA lockout tagout regulation 29 CFR 1910.147



Terminals

 Box terminal with hex socket threaded slug is superior because it permits high clamping pressure on conductors without damaging strands



Installation

 Three-piece thermoplastic cord clamp assembly with stainless steel fast lead screws provides a more consistent, durable grip. Sealed cable entry keeps out moisture and dust



Contacts

 One-piece grounding contact on 4-wire devices provides a more reliable grounding system for a safer device



50 Amp, 125, 250 Volts and 480 Volts AC











Plugs

	ı iugo					
-	Description	Cord Dia.	Catalog Number			
	Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	CS6361C	CS8265C	CS8465C	

Note: See page B-60 for accessories.



Flanged Inlets

Description	Catalog Numb	er	
Zinc plated steel casing, thermoset interior.	CS6377	CS8275	CS8475 [†]

Note: †Not CSA Certified.



IP2







Connector Bodies

Description	Cord Dia.	Catalog Number		
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	CS6360C	CS8264C	CS8464C

Note: See page B-60 for accessories.

2X Ø.19 (54.1) (2.69" (83.3) (83.3) (26.2) (2.99" (29.9) (

Receptacles

Description	Catalog Number		
Black phenolic.	CS6370	CS8269	CS8469 [†]

Note: See page B-60 for accessories.
†Not CSA Certified.



50 Amp, 125/250, 3Ø 250 Volts and 3Ø 480 Volts AC



Note: See page B-60 for accessories.



Flanged Inlets

Catalog Number	•	
CS6375	CS8375	CS8175
CS6375M2	-	_
HBL6375S*	_	_
	CS6375 CS6375M2	CS6375M2 -

Note: *Type 3R, (Not shown).



IP20 SUITABILITY

XI • W
6 50A
50A 125/250V AC





Connector Bodies	SUITABILITY	50A 125/250V AC UL/CSA	50A 3Ø 250V AC UL/CSA	50A 3Ø 480V AC UL/CSA	
Description	Cord Dia.	Catalog Number			
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	CS6364C	CS8364C	CS8164C	
Insulgrip® Connector with conduit adapter. Capable of accepting metallic or non-metallic conduit fittings.	½" NPT Size ¾" NPT Size 1" NPT Size	- - -	CS8364CA05 CS8364CA34 CS8364CA10	- - -	

Note: See page B-60 for accessories.



6.34" (161.0) 2.59' (65.8 DIA.

Receptacles

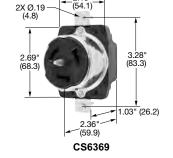
Description	Catalog Number		
Black phenolic.	CS6369	CS8369	CS8169

Note: See page B-60 for accessories.





CS8364CA05 (Rear View)



Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



50 Amp, 250 Volts DC and 600 Volts AC



IP20



Plugs

-	Description	Cord Dia.	Catalog Number
	Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	HBL3763C

Note: See page B-60 for accessories.



Flanged Inlets

Description	Catalog Number
Zinc plated steel casing, thermoset interior.	HBL3777
Zinc plated steel casing, thermoset interior with lift cover.	HBL3767



Connector Bodies

IP20	(xi
CONABILITY	50A 25

John Board		SUA BUUV AC
Description	Cord Dia.	Catalog Number
Nylon housing, thermoplastic	.830"-1.250"	HBL3762C
polyester interior.	(21.08-31.75)	

Note: See page B-60 for accessories.

Receptacles

Description	Catalog Number
Black phenolic.	HBL3771

Note: See page B-60 for accessories.







50 Amp, 250 Volts DC and 600 Volts AC





50A 600V AC

Plugs

Description	Cord Dia.	Catalog Number	
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	HBL3765C	HBL7765C

Note: See page B-60 for accessories.



Flanged Inlets

Description	Catalog Numbe	r
Zinc plated steel casing, thermoset interior.	HBL3775	HBL7958
Zinc plated steel casing, thermoset interior with lift cover.	HBL3768	HBL7968





Confidence Dodies	9	30A 2304 BC	30A 230V DC
Description	Cord Dia.	Catalog Number	
Nylon cover, thermoplastic	.830"-1.250" (21.08-31.75)	HBL3764C	HBL7764C
noivester interior	(21.08-31.75)		

Note: See page B-60 for accessories.



Receptacles

Description	Catalog Number	
Black phenolic.	HBL3769	HBL7379

Note: See page B-60 for accessories.





Dimensions in Inches (mm)

Important Note: Catalog numbers HBL7765C, HBL7958, HBL7968, HBL7764C, HBL7379 are for replacement use only. See other singly rated 50A Twist-Lock® devices in this section. HBL3700 series Twist-Lock devices do not interchange with any other devices in this section.



50 Amp Twist-Lock® Accessories





HBL7770

SS750

Weatherproof Receptacle Lift Cover Plates for FS/FD Box M	ounting
Description	Catalog Number

Corrosion resistant, gray thermoplastic.	HBL7774WO
Same as above except yellow.	HBL77CM74WO
Cast aluminum.	HBL7770

Note: See page O-21 for additional information on weatherproof covers.

Receptacle Plates for FS/FD Box Mounting

Description	Catalog Number
Cast aluminum with lift cover.	HBL7382•*
Same as above less lift cover.	HBL7383•
Stainless steel, single gang, wallplate.	SS750 ⁴

Receptacle 1/2" Raised Cover

Description	Catalog Number
Galvanized Steel fits 4" square or 2-gang box.	HBL50SC*

Conduit Adapters for 50A Twist-Lock® Plugs and Connectors



<u>IP55**</u>



HBL50SC



weatherproof Boots	
Description	Catalog Number
Seal-Tite® triple seal black elastomeric cover for plugs when used in a cord set and connector bodies when used with flanged inlets.	HBL7716C [†]
Seal-Tite triple seal black elastomeric cover for connector bodies when used with cord sets.	HBL7717C [†]



CS50CA34

Inlet Closure Plug

Description	Catalog Number
Black closure plug.	HBL4892 [†]





HBL7716C

replacement i are	
Description	Catalog Number
Cord clamp Kit.	HBLCSCK

Note: •Will only fit non-"CS" type 50A Twist-Lock receptacles.

- *Not UL Listed "WDL Closed".
- **When installed and used properly with plug and connector body combinations.
- ▲IP20 SUITABILITY.





HBL7717C





HBLCSCK

Features and Benefits

Hubbellock® Plugs and Connector Bodies

The Hubbellock devices feature an exclusive design unlike any other in the industry. The unique design is built to provide the safest heavy duty device even in some of the harshest environments. These Hubbellock plugs and connector bodies are built with a super tough nylon housing for high impact resistance and a one of kind interior design for superior safety that Hubbell is known for.

The male contacts are molded into the nose for damage resistance and completely eliminate the chance of deformity. Additionally, the plug as well as the connector retains power mechanical cord grips that not only secure the cable but also clamp down on the conductors in order to provide unrivaled strain relief.

Inside the connector is Hubbell's unique safety design. With unparalleled box terminations the connector interior holds a spring-loaded safety shutter to provide the ultimate arc protection. Furthermore the exceptional heat and impact resistance is maintained by the thermoplastic interior contributing to a longer lasting device.

In all, the one of a kind function of the Hubbellock devices provide a safe and dependable performance in the most demanding applications.





Note: The cut-away views below are construction elements pertaining specifically to the 30A Hubbellock series. While the Hubbellock contact interface design applies to all, there are construction elements that are different, depending on the amperage.



Housing Design

- Insulated non-metallic housing enhances safety and abuse resistance
- Impact resistance in the interior of the female device comes from a strong thermoplastic material



Internal Design

- No "lazy" connections because a springloaded safety shutter automatically ejects the plug if it hasn't been properly locked into the female device. This eliminates teasing of the contacts, a major cause of contact burn-up
- Arcs are snuffed out, when devices are mated or unmated under load, by springloaded safety shutter



Safety

 Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter



Terminals

 Superior wire terminations are assured with box terminals and screws with pressure pads. This design captures stray wire strands and permits more clamping pressure on the wire without damaging it. Loosening of terminations and resulting heat build-up are greatly reduced



installation

 Three-piece thermoplastic clamp assembly with fast-lead stainless screws provides a more consistent durable grip. Grommets provide a sealed cable entry that protects against the entry of moisture and dust



Contacts

- Positive locking is ensured by the nose of the plug being keyed into a detent in female device. This lock is independent of the contacts or a separate mechanical lock
- Longer contact life is assured by supplementary springs. Other devices rely just on contacts themselves to provide proper contact pressure



20 Amp, 125 Volts



11	

HBL23035B



riug		ZUA 1234
Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"660" (8.12-16.5)	HBL23035B

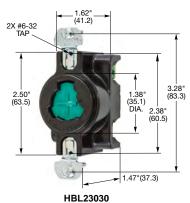


Connector Body

Diva



Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"660" (8.12-16.5)	HBL23032B



Receptacle



Description	Catalog Number
Black phenolic, back wired.	HBL23030

Note: Devices listed above are not interchangeable with any other Hubbellock device listed in this catalog.



HBL7423WO

Accessories

Weatherproof Covers	
Description	Catalog Number
Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 suitability.	HBL7423WO
Same as above except yellow.	HBL74CM23WO
Cast aluminum, lift cover for indoor use only.	HBL23007
Stainless steel 302/304, single receptacle wallplate.	\$\$7
Stainless steel 430, single receptacle wallplate.	SS7L



HBL23007

20 Amp, 125 Volts AC or DC, 10 Amp, 250 Volts DC, 480 Volts AC

Plug	IP30 SUITABILITY	20A 125V
Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"660" (8.12-16.5)	HBL23005GB



HBL23005GB

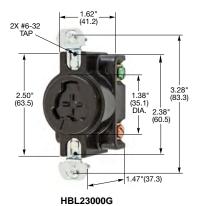
Connector Body 20A 125V

Connector Body			
Cord Dia.	Catalog Number		
.320"660" (8.12-16.5)	HBL23002GB		
	.320"660"		



HBL23002GB

Receptacle	20A 125V
Description	Catalog Number
Black phenolic, back wired.	HBL23000G



Accessories

Weatherproof Covers	
Description	Catalog Number
Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 suitability.	HBL7423WO
Same as above except yellow.	HBL74CM23WO
Cast aluminum, lift cover for indoor use only.	HBL23007
Stainless steel 302/304, single receptacle wallplate.	SS7
Stainless steel 430, single receptacle wallplate.	SS7L



HBL7423WO



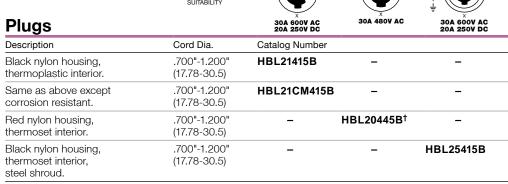
HBL23007



30 Amp, 600 and 480 Volts AC, 20 Amp, 250 Volts DC



HBL21415B



IP30

Note: See page B-68 for accessories.

†Not CSA Certified.



HBL20445B

Flanged Inlets

Description	Catalog Number		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting.	HBL22CM428	_	_
Black phenolic interior, aluminum housing, for FS/FD box mounting (not shown).	HBL20418	_	-
Aluminum angle housing, with %" NPT hub for surface mounting.	HBL21447	-	-



5.09* (129.2) 5.93" (150.6) 3.25" (82.6) (82.6) HBL21447



SEHBL3 - Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle. Receptacle not included. See page B-41 for additional information.



30 Amp, 600 and 480 Volts AC, 20 Amp, 250 Volts DC









2.44" (62.0) DIA.

HBL21414B

Connector Bodies

Description	Cord Dia.	Catalog Number	
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	HBL21414B –	-
Same as above except corrosion resistant.	.700"-1.200" (17.78-30.5)	HBL21CM414B -	-
Red nylon housing, thermoset interior.	.700"-1.200" (17.78-30.5)	- HBL20444B	-
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)		HBL25414B

Note: See page B-68 for accessories.

2.44" (62.0) DIA. HBL20444B

Receptacles

Description	Catalog Number		
Black phenolic.	HBL20403		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting. IP44 suitability.	HBL22CM427	-	-
Aluminum angle housing, with ¾" NPT hub for surface mounting. IP44 surrability.	HBL21420		
Black phenolic, red center insert.	_	HBL20443	_
Black phenolic interior, aluminum housing, blue finish, for FS/FD box mounting.	-	-	HBL25403
Black phenolic interior, aluminum weatherproof housing, blue finish for FS/FD box mounting. IP44 suitability.	-	-	HBL25250

Note: See page B-68 for accessories.



Receptacle Accessories

-	
Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7428WOG*
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL7428WOY*
Thermoplastic, wet and damp locations with cover "open", red.	HBL7428WOR*
Cast aluminum, wet locations only when cover "closed" and damp locations, lift cover plate.	HBL20405
Cast aluminum, wet locations only when cover "closed" and damp locations, red finish.	HBL20446
302/304 stainless, single gang, smooth. NOT weatherproof.	SS737

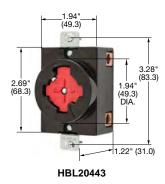
Note: *Features two #6-32 threaded inserts to back mount device to cover.



HBL21420





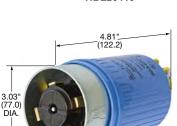




60 Amp, 600 Volts AC



HBL26419

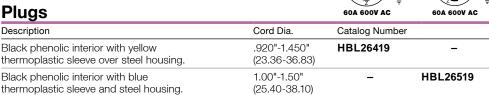


HBL26519





IP30 SUITABILITY



IP30

Flanged Inlets

Description	Catalog Number
Black phenolic interior with steel housing and flange.	HBL26422 -
Black phenolic interior with steel housing and flange with blue finish.	- HBL26522



60 Amp, 600 Volts AC

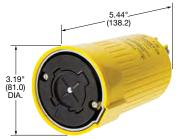






Connector Bodies

Description	Cord Dia.	Catalog Number	
Black phenolic interior with yellow thermoplastic sleeve over steel cover.	.920"-1.450" (23.36-36.83)	HBL26418	-
Black phenolic interior with blue thermoplastic sleeve over steel cover.	1.00"-1.50" (25.40-38.10)	-	HBL26516

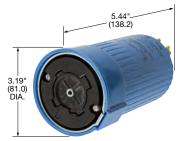


HBL26418

IP44 SUITABILITY

Receptacles

Description	Catalog Number	
Black phenolic interior with short aluminum housing and lift cover.	HBL26410	_
Black phenolic interior with long aluminum housing and lift cover.	HBL26420	_
Black phenolic interior with long aluminum housing with lift cover and blue finish.	– HI	3L26520



HBL26516

IP30

Flanged Receptacles

Description	Catalog Number	
Black phenolic interior with steel housing and flange.	HBL26421	_
Black phenolic interior with steel housing and flange with blue finish.	-	HBL26521



HBL26410

Receptacle Box and Adapter Plates (Box requires one adapter)

Description	Catalog Number
Box, cast aluminum, only for 60A Hubbellock receptacles.	HBL26401
Straight adapter plate.	HBL26402
45° adapter plate.	HBL26404

HBL26420

4.96"— (126.0) 4X .25"— (6.4) DIA.

Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.

See page B-68 for additional information.









Hubbellock® Accessories



HBL20405



SEHBL3





HBL20424B



HBL20425B



Dimensions in Inches (mm)

30 Amp Hubbellock® Accessories

Receptacle Plates for FS/FD Box Mounting	
Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7428WOG*
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL7428WOY*
Thermoplastic, wet and damp locations with cover "open", red.	HBL7428WOR*
Cast aluminum, wet location only when cover "closed" and damp locations, lift cover plate.	HBL20405
Cast aluminum, wet location only when cover "closed" and damp locations, red finish.	HBL20446
302/304 stainless, single gang, smooth. NOT weatherproof.	SS737

Note: *Features two #6-32 threaded inserts to back mount device to cover.

Switched Enclosure

IP54
SUITABILITY

Description	Catalog Number
Switched enclosure for use with 30A 3 pole 4 wire Hubbellock receptacle. Receptacle not included.	SEHBL3

Note: For more information on switched enclosures see page B-38.

Liquidtight Metallic Conduit Adapters

Description	Catalog Number
Adapter for use with ½" NPT conduit fittings.	SAB12
Adapter for use with ¾" NPT conduit fittings.	SAB34

Boots

Description	Catalog Number
"Mini" boot for 4 wire Hubbellock connector body.	HBL20424B [†]
"Mini" boot for 4 wire Hubbellock plug.	HBL20425B [†]

Note: †Not UL Listed or CSA Certified.

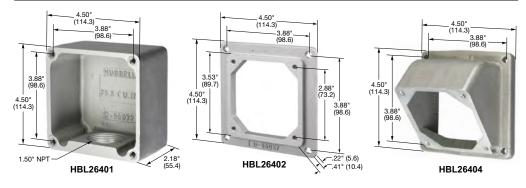
60 Amp Hubbellock® Accessories

Receptacle Box and Adapter Plates (Box requires one adapter)	
Description	Catalog Number
Box, cast aluminum, only for 60A Hubbellock receptacles.	HBL26401
Straight adapter plate.	HBL26402
45° adapter plate.	HBL26404

Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.

Kellems® Cable Grip

Description	Cord Diameter	Catalog Number
Cable grip.	.830"-1.000" (21.1-25.4)	H660A
Cable grip (not shown).	1.000"-1.140" (25.4-28.9)	H661A
Cable grip (not shown).	1.125"-1.328 (28.6-33.7)	H662A



Technical Information

15-30 Amp Twist-Lock and Safety-Shroud® Devices

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).

Fed. Spec. W-C-596 (Insulgrip® and Safety-Shroud®).

Certified to CSA Standard C22.2 No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Plugs and Connector Bodies (Insulgrip®)	15-30A
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black nylon (yellow in "CM" devices)
Cord Clamp	Natural (white) nylon
Dust Shield	EPDM
Blades/Contacts	Brass
Terminal Clamp	Cold rolled steel - nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Cord Clamp Screws	Steel, zinc plated
Body Holding Screws	Steel, zinc plated

Flanged Inlet/ Receptacles	15-30A
Flanged Casing	Natural (white) nylon
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades/Contacts	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Cold rolled steel, nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Screws Screw Sizes	Nickel plated brass round head screws 15A: 6-32, $\frac{3}{6}$ " long 20A and 30A: 8-32, $\frac{7}{16}$ " long

Receptacle, Single	15A	20A and 30A
Cover (Top)	Nylon (Black)	Nylon (Black)
Base	RTP (Black)	RTP (Natural)
Contact Springs	.031" Brass	.040" Brass
Clamp	.031" Brass	.040" Brass
Ground Contact	.031" Brass	.040" Brass
Ground Shunt	_	.015" Brass
Bridge (Mounting Strap)	.050" Steel, zinc plated	_
End Plates (Mounting)	-	.050" Brass
Back Plate	_	.040" Brass
Terminal Screws	Brass (8-32)	Brass (10-32) (white finish on neutral screw when used)
Grounding Screw	Brass (Green)	Bronze (Green)
Flat Head Mounting Screws	Steel, zinc plated	Steel, zinc plated
Auto Ground Clip	Stainless steel	Stainless steel (Used only on IG receptacle)

Safety-Shroud [®] Receptacles Angle, Surface Semi-Flush 20-30A		
Housing and Mounting Flange	Gray Valox®	
Mounting Plate (Angle Housing Only)	Galvanized steel	
Body Contact Carrier	Natural (white) nylon	
Terminal Retainer	Clear polycarbonate	
Body Holding Screws	Steel, zinc plated	
Contact Springs	Brass	
Spring Binding Plate	Brass	
Terminal Clamp	Steel, nickel plated .080" curved, scalloped	
Terminal Screws	10-32 Brass (white finish on neutral screw when used)	
Grounding Screw	Brass (green finish)	
Mounting Plate Screws	Steel, zinc plated	
Wallplate Mounting Screws	Steel, zinc plated	

Safety-Shroud [®] Twist-Lock [®] Plug	20-30A	
Insulgrip Plug with Safe	ty-Shroud installed	
Safety-shroud	White Valox®	
Cord Clamp	White nylon	

Performance (Twist-Lock® and Safety Shroud Devices)		
Electrical		
Dielectric Voltage	Withstands 2,000V minimum.	
Max. Working Voltage	600 Volts RMS.	
Current Interrupting	Certified for current interrupting at full rated current.	
Temperature Rise Fed. Spec.	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).	

Mechanical (Twist-Lock® and Safety Shroud Devices)		
Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.	
Cord Grip Accommodation (Insulgrip)	15A: .230"720" (5.8-18.3); 20A and 30A 3W: .360"930" (9-24); 20A and 30A 4W-5W: .350"-1.150" (9-29).	
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).	
Terminal Accommodation	20A and 30A, #16-#8 AWG. 15A, #18-#10 AWG. Solid or stranded copper wire only.	
Product Identification	Ratings are a permanent part of the device housing.	

Product Identification	Ratings are a permanent part of the device housing.
Environmental (Twist-	Lock [®] and Safety Shroud Devices)
Flammability (Enclosure)	HB or better per UL94/CSA 22.2 No. 0.17.
Plugs, Connectors, Flanged Receptacles and Flanged Inlets Receptacles (Box Mount)	V2 or better.
Operating Temperatures	Maximum Continuous 75°C. Minimum -40°C (w/o impact).

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Technical Information

20 and 30 Amp Watertight Safety-Shroud® Twist-Lock® Devices

Specifications

 stings	

Listed to UL Standard 498 (Attachment Plugs and Receptacles).

Certified to CSA Standard No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices),

Fed. Spec. WC-596.

UL Listed, CSA Certified to Type 4, 4X and Type 12.

Part	Materials
Watertight Safety-Shroud® Plug (Insulgrip®)	20 and 30A
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Blades	Brass
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Clamp Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Neoprene EPDM Blend
Watertight Safety-Shroud® Connector (Insulgrip®) 20 and 30A	

Body Contact Carrier Natural (white) nylon Terminal Retainer Clear polycarbonate Contact Spring Spring Binding Plate Brass Brass Cover (Housing) Black Valox® Cord Clamp White Valox®

Terminal Clamp Steel, nickel plated .080" curved scalloped Terminal Screws 10-32 brass (white finish on neutral screws when used) multiple drive head

Grounding Screw Brass (green finish) combination head Cord Grip Screws Stainless steel 302/304, combination head Stainless steel 302/304, combination head Body Holding Screws Closure Cap and Strap Polypropylene with Neoprene gasket

Watertight Safety-Shroud Receptacle, Single* 20 and 30A

Housing and Flange Gray Valox Body Contact Carrier Natural (white) nylon Terminal Retainer Clear polycarbonate Drive Screws Steel, zinc plated Contact Spring Brass Spring Binding Plate Brass

Terminal Clamp Steel, nickel plated .080" curved, scalloped

Flange Gasket Closed-cell neoprene foam Lid Ğasket Closed-cell neoprene foam Cover Hinge Pin Stainless steel 302/304 Cover Spring Stainless steel 302/304

Terminal Screws 10-32 brass (white finish on neutral screw when used) multiple drive head

Grounding Screw Mounting Screws Brass (green finish) combination head Stainless steel 302/304 combination head

Watertight Safety-Shroud® Flanged Inlet 20 and 30A

Housing and Flange Gray Valox Blade Holder Natural (white) nylon Terminal Retainer Clear polycarbonate Blades Drive Screws Brass Steel, zinc plated

Steel, nickel plated .080" curved scalloped Terminal Clamp Terminal Screws 10-32 brass (white finish on neutral screw when used) multiple drive head

Brass (green finish) combination head Grounding Screw Neoprene EPDM blend Closure Cap

Mounting Screws Stainless steel 302/304 combination head

Performance

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.

Current Interrupting Certified for current interrupting at full rated current.

Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596). Temperature Rise

Mechanical

Electrical

Cord Accommodation (Plugs and connectors only) Round portable service cords of diameters commensurate with the device rating

Cord Grip Accommodation

as defined in UL Standard 62, CSA C22.2 No. 49. 20 and 30A, 3W: .32"-.93" (8.1-24.0mm) #16-3 Type SJ-#8-3 Type S, SO; 20 and 30A, 4W: .35"-1.15" (9.0-29.2mm) #16-4 Type SJ-#8-4 Type S, SO; 20 and 30A, 5W: .35"-1.15" (9.0-29.2mm) #16-5 Type S, SO - #8-5 Type S, SO. Terminals identified in accordance with UL 498 (X, Y, Z, White, Green). Terminal Identification #16- #8 AWG solid or stranded copper wire only. Terminal Accommodation

Ratings are a permanent part of the device blade holder, and are also labeled on device color coded by voltage, visible in use. Catalog No. I.D. is on device visible in use

Environmental

Product Identification

Type 4, 4X, 12, IP66 suitability. Moisture Resistance VO per UL94 or CSA 22.2 No. 0.17. Flammability (Enclosure)

Maximum Continuous 75°C; Minimum -40°C (w/o impact). Operating Temperatures

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company. Note: *Suitable for use as a flanged receptacle.

Technical Information

50 Amp Twist-Lock® Devices

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).

Certified to CSA Standard No. 42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Part	Materials
Plug (Twist-Lock)	50A
Blade Holder	Thermoplastic polyester (black)
Power Blades	Brass
Terminal Set Screw	Stainless steel
Terminal Retainer	Thermoplastic polyester
Front and Rear (housing)	Supertough nylon
Cord Clamp	Thermoplastic polyester (white)
Seal	Neoprene
Seal Cup	Nylon
Box Terminal	Copper
Latches	Supertough nylon
Ground Contact Spring	One piece copper/nickel
Cord Clamp Screws	302/304 Stainless steel
Shroud	302/304 Stainless steel

Connector (Twist-Lock)	50A
Contact Nose	Nylon (black)
Terminal Retainer	Thermoplastic polyester (black)
Terminal Set Screw	302/304 Stainless steel
Contact Spring	Brass
Assembly Ring	302/304 Stainless steel
Front and Rear (housing)	Supertough nylon (black)
Latches	Supertough nylon (white)
Cord Clamp	Thermoplastic polyester (white)
Box Terminal	Copper
Contact Holder	Thermoplastic polyester (black)
Ground Contact	One piece copper/nickel
·	

Seal Cup	Nylon
Cord Grip screws	302/304 Stainless steel
Seal	Neoprene
Part	Materials
Flanged Inlet	50A
Flanged Casing	.062" Steel, zinc plate
Blade Holder	Phenolic
Pressure Screws	Steel, zinc plate
Blades	.100" Brass
Ground Spring	.025" Bronze
Terminals	.050" Steel, brass finish
Grounding Terminal	.062" Copper, green finish
Round Head Screws	Steel, zinc plate

Receptacle	50A
Body	Phenolic
Face	Phenolic
Contact Springs	.100" Brass alloy
Contact Binding Plates	.100" Brass
Ground Contact	.031" Brass
Insulator	.093" Laminated phenolic
Bridge (Mounting Strap)	.062" Steel, zinc plate
Pressure Screws	Steel, zinc plate
Terminals	.050" Steel
Casing	.062" Steel, zinc plate
Center Pin (CS Devices)	Steel, zinc plate

Product Identification

Ratings	Molded into face for all devices and stamped into stainless steel shroud on plug devices.
Catalog Number	Molded into face for plug and connector bodies and stamped into stainless steel shroud on plug devices.

Performance

Electrical	
Dielectric Voltage Max. Working Voltage Current Interrupting Temperature Rise	Withstands 2,000V minimum. 600 Volts RMS. Certified for current interrupting at full rated current. Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current (UL 498).
Mechanical	
Terminal Accommodation Cord Grip Accommodation	#8 AWG min #4 AWG max. Solid or stranded copper wire only. Round cords types: S, SO, ST .830"-1.250" (21.08-31.75).
Environmental	
Flammability Operating Temperatures	UL 94 V0 for Receptacles and Inlets. HB or better for Plugs and Connectors. Maximum continuous 75°C; minimum -40°C (w/o impact).

Note: Please consult the factory for product dimensions and specifications for other products listed in this catalog.

Technical Information

Switched Twist-Lock® and Hubbellock® Enclosures

Specifications

Manufacturer's Identification	Hubbell SETL3/SEHBL3-SE2730A.
Description	Lockable Switched Enclosure. This unit is a complete enclosure ready to accept any 20 or 30A Twist-Lock or 30A Hubbellock receptacle.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	20 or 30A, 125V through 3ØY 347/600V AC.
Configuration	NEMA Locking L5-20R through L23-30R.
Enclosure Type	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials
Valox®
Valox®
Valox®
Zinc ¾" watertight
Neoprene
Valox®
Molded neoprene
Galvanized steel
Valox®
Stainless steel 300 series
Stainless steel 300 series

Performance

Withstands 3,000V minimum.
600V RMS.
Certified for current interrupting at full rated current and voltage.
Suitable for use on a circuit capable of delivering not more than 10,000
RMS symmetrical amperes at the voltage rating of the receptacle.
Mechanical 10,000 cycles;
Electrical 6,000 cycles.
In accordance with UL 746C.
In accordance with UL, CSA and international conventions.
Identification and ratings are part of external label and receptacle face.
3.5 pounds.
External fully adjustable feet.
Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability.
Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
UL94 – 5 VA and VO classification.
Maximum continuous +75°C;
Minimum continuous -40°C.
All materials are UV stabilized.

Note: This device provides on/off switched control of a plug connected load and includes lockout provision: ON-OFF control knob (in the OFF position) accepts up to a $^{5}/_{16}$ " (8.0) diameter shackle of suitable padlock lockout device to isolate energy from the receptacle and cord connected equipment as a method of compliance to OSHA Lockout/Tagout Regulation 29CRF Part 1910.147.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Technical Information

Mechanical Interlock Switched Safety Enclosures

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell HBLMITL.
Description	Circuit-Lock Mechanical Interlock.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	Up to 30A, 3Ø 600V AC.
Enclosure Type	Outdoor – 4X (Watertight, Washdown); Indoor – 12K (Dust-tight, Falling Dirt and noncorrosive liquids with knockout. IP66 suitability.
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Material
Base	Valox®
Тор	Valox®
Handle	Valox®
Conduit Hub	Zinc ¾" watertight
Enclosure Gasket	Neoprene
Shaft	Valox®
Shaft Seal	Neoprene
Frame	Galvanized steel
Enclosure Screws	Stainless steel 300 series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V Min.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles;
	Electrical 6,000 cycles.
Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA.
Product Identification	Identification and ratings are part of the external label and receptacle face.
Weight	3.5 pounds.
Mounting	External full adjustable feet.
Environmental	
Moisture Resistance	Outdoor – 4X (Hose-Directed Water, Corrosion Resistance), IP66 suitability.
Flammability	Meets UL 94V0 material classification.
Operating Temperature	Maximum continuous +75°C;
	Minimum continuous -40°C.
UV Resistance	All exposed materials are UV stabilized.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Technical Information

Valise® Plugs and Connectors

Specifications

Plugs
Typical Specification - Catalog No. HBL4723VY.
Description - Straight Body Plug
Type – 2 Pole, 3 Wire, Grounding
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V
Certification – UL Listed File E1706, CSA Certified
IP SUITABILITY – IP20

Plug	15, 20 and 30A
Housing	Nylon
Blades	Brass
Ground Blade	Brass
Terminal Screws	Steel multiple drive
Cable Inserts	Polyphenylene Oxide
Terminal Clamps	CR Steel
Body Holding Screws	Steel multiple drive

Material

Connector Bodies	
Typical Specification	on- Catalog No. HBL4729VY
Description - Straig	ght Body Connector
Type – 2 Pole, 3 W	lire, Grounding
Rating – 15 and 20	A 125V, 250V, and 277V AC, 30A 125 and 250V
Certification – UL L	isted File E1706, CSA Certified
IP SUITABILITY - IP2	0

Part	Material
Connector	15, 20 and 30A
Housing	Nylon
Contact and Ground Springs	Brass
Terminal Screws	Steel multiple drive
Cable Inserts	Polyphenylene Oxide
Terminal Clamps	CR Steel
Body Holding Screws	Steel multiple drive

Performance

Electrical	
Dielectric Voltage Max. Working Voltage Current Interrupting Temperature Rise	Withstands 2,000V minimum. 125V, 250V or 277V AC as rated. Certified for full rated current. Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current.
Mechanical	
Terminal Identification Terminal Accommodation	Screw Color per UL 498 (Brass, White and Green). 15A-18 to 12AWG. Solid or stranded copper wire only. 20A-18 to 10AWG. Solid or stranded copper wire only. 30A-14 to 8AWG. Solid or stranded copper wire only.
Product Identification Torque	Molded rating on device face. 12 in-lb terminal screws, 7 in-lb assembly screws.
Cord Range	
15A 20A 30A	.220" to .660" (5.6mm to 16.8mm). .325" to .720" (8.26mm to 18.3mm). .590" to .930" (15.0mm to 23.6mm).
Environmental	
Flammability Operating Temperature	UL 94HB. Maximum continuous 75°C, minimum -40°C (w/o impact).
Standards	
Listed to UL Standard UL498 Certified to CSA Standard C22.2 No. 42	

Part

SECTION C









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Watertight Devices

Features and Benefits

Watertight Safety-Shroud® Twist-Lock® System

- Virtually eliminates bent and broken plug blades, leading to longer equipment life
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies
- Reduces exposure to arcing when connecting or disconnecting plugs under load
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147





Note: Works with Mechanical Interlocks, see page B-41 for additional information.



Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



Assembly

- Cord grip screw recess minimizes screwdriver slippage
- All screws are #10 multiple drive head



Cord Range

- Assorted TPE seal glands can accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO
- Sealing gland and thermoplastic guard prevents water ingress from entering the device at the cord end



Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy duty industrial environments
- Mounting screw recesses minimize screwdriver slippage
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices



Identification

- Catalog number and color-coded voltage rating are easily visible even when in use
- Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected



Spring-Loaded Cover

 One-step, push-to-close, spring-loaded cover with latch allows for fast opening and closing of lift cover

Result: Environmental sealing is assured





Watertight Safety-Shroud® Twist-Lock® Devices









	NEMA Rating Color Coded by Voltage	Plug/ Connector	Poles/Wires	Plug	Connector	Flanged Inlet	Receptacle
	NEMA L5-20 20A 125V	(*) (*)	2P/3W	HBL2311SW	HBL2313SW	HBL2315SW	HBL2310SW
	NEMA L6-20 20A 250V	(* 10) (P (2)	2P/3W	HBL2321SW	HBL2323SW	HBL2325SW	HBL2320SW
	NEMA L7-20 20A 277V AC	() () ()	2P/3W	HBL2331SW	HBL2333SW	HBL2335SW	HBL2330SW
20 Amp	NEMA L14-20 20A 125/250V AC		3P/4W	HBL2411SW	HBL2413SW	HBL2415SW	HBL2410SW
	NEMA L15-20 20A 3Ø 250V AC		3P/4W	HBL2421SW	HBL2423SW	HBL2425SW	HBL2420SW
	NEMA L16-20 20A 3Ø 480V AC		3P/4W	HBL2431SW	HBL2433SW	HBL2435SW	HBL2430SW
	NEMA L21-20 20A 3ØY 120/208V AC		4P/5W	HBL2511SW	HBL2513SW	HBL2515SW	HBL2510SW
	NEMA L5-30 30A 125V	(*) (°)	2P/3W	HBL2611SW	HBL2613SW	HBL2615SW	HBL2610SW
	NEMA L6-30 30A 250V	() () () () () () () () () ()	2P/3W	HBL2621SW	HBL2623SW	HBL2625SW	HBL2620SW
	NEMA L14-30 30A 125/250V AC		3P/4W	HBL2711SW	HBL2713SW	HBL2715SW	HBL2710SW
30 Amp	NEMA L15-30 30A 3Ø 250V AC		3P/4W	HBL2721SW	HBL2723SW	HBL2725SW	HBL2720SW
	NEMA L16-30 30A 3Ø 480V AC		3P/4W	HBL2731SW	HBL2733SW	HBL2735SW	HBL2730SW
	NEMA L17-30 30A 3Ø 600V AC		3P/4W	HBL2741SW	HBL2743SW	HBL2745SW	HBL2740SW
	NEMA L21-30 30A 3ØY 120/208V AC		4P/5W	HBL2811SW	HBL2813SW	HBL2815SW	HBL2810SW

Mechanical Interlock Switched Safety Enclosure

Medianical interioric divisioned Salety Endosaire	
Description	Catalog Number
Unfused mechanical interlock integrates a watertight safety shroud receptacle with a linked	HBLMITL
disconnect switch. See page B-41 for additional information.	

Specifications

Listings

Listed to UL Standard 498 Certified to CSA Standard No.42 Fed. Spec. WC-596

Environmental

Moisture Resistance Flammability (Enclosure) Operating Temperatures UL Type 4, 4X, 12, IP66 suitability V0 per UL94 or CSA 22.2 No. 0.17

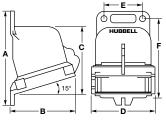
Maximum Continuous 75°C; Minimum -40°C (without impact)



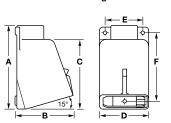
HBLMITL

Watertight Devices

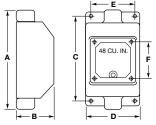
Accessories



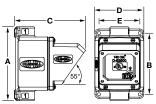
Non-Metallic Angle Box



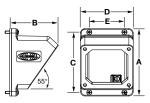
Metallic Angle Box



Metallic Feed Thru Box



AB203055



AA203055



HBL2030AP



AA2030PS

Dimensions in Inches (mm)

15° Angle Non-Metallic Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)		2.35" (59.7)	4.92" (125.0)	30.00"	BB2030N

Note: Hub is not included; order Raco part number 1704. This box meets IP69k requirement and Type 4X requirements when installed with a watertight conduit hub.

15° Angle Metallic Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock	3/4"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	BB201W
Receptacles and Inlets.	1"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	BB301W

Metallic Feed Thru Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock	3/4"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	FT202W
Receptacles and Inlets.	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	FT302W

Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).

55° Angle Metallic Adapter and Back Box

	NPT Hub	A Inch	B Inch	C Inch	D Inch	E Inch	F Inch	Cubic Inch	
Description	Size	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets.	1"	6.80" (172.4)	5.63" (142.9)	6.60" (167.0)	4.50" (114.3)	3.74" (95.0)	-	45.27"	AB203055

55° Angle Metallic Adapter with Grounding Lug

Description	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock		3.33"		3.75" (114.3)	2.50" (95.0)	-	25.00"	AA203055
Receptacles and Inlets.	(172.4)	(107.0)	(142.0)	(114.0)	(55.5)			

Straight Watertight Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes.	HBL2030AP

Non-Watertight Angle Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 411/16" square).	AA2030PS

Watertight Devices

Features and Benefits

Watertight Devices

- The triple bypass seal provides a Watertight UL Type 4X and IP69K seal where devices are mated
- The cone seal at the cable entrance provides protection from water ingress
- Strongest strain relief for any Watertight device on the market, utilizing the patented Gotcha ring and collapsible bushing combination
- Nickel plated brass contacts and stainless steel screws provide corrosion resistance for metallic components
- Impact resistant, smooth, thermoplastic elastomer body helps collection point and aids in easy debris removal
- Floating cap rings allows for easy removal of dirt and debris





Superior water ingress protection uniquely designed for the most extreme wash down procedures, withstanding hot and high pressure water, in addition to excessively dusty environments.



Housing Design

- LED version illuminates to let you know that the device is wired properly
- Smooth body design minimizes collection points simplifying the wash down process
- Strain relief nut always seals on the body regardless of cable size, eliminating areas of debris collection



Assembly

- Keyed interior for easy installation
- All stainless steel hardware and corrosion resistant connection points



Cord Range

- Hubbell's patented Gotcha® ring and collapsible bushing yields the industry's best strain relief
- Cone seal adjusts to any cable range
- Unique cone seal prevents dirt and debris from collecting at the cable entrance



Terminals

• High conductivity brass termination



Protection

- Triple bypass seal keeps water away from electrical connections and works with previously installed devices
- Free-floating cap allows unwanted material to wash away during sanitation



Plug Blades

• Corrosion resistant connection points







UL Type 4, 4X

IP65,66,67,69k*

Watertight Receptacles with Lift Covers

Hubbell Watertight receptacles with lift covers provide an impact resistant UL Type 4X seal combined with corrosion resistant metallic components. These universal covers can house any NEMA listed straight blade receptacles as well as any NEMA listed Twist-Lock® receptacles. The Watertight receptacles can either be mounted to FD/FS boxes (see page C-9) or panel mounted to a flat surface. Combined, this makes a diversified product with the high quality needed in industrial, wet and wash down applications.







Housing Design

- Impact resistant PBT material lid and cover plate
- Thermoplastic elastomer seal
- Lockable cover meets OSHA Lockout/Tagout regulations



Assembly

- Stainless steel mounting hardware
- Stainless steel hinge spring and pin



HBL14W47AWC



HBL15W47A



HBL60W47



HBL60W47D

15 Amp and 20 Amp Straight Blade Devices

	Rating	Plug/ Connector	Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover	Duplex Recept. with Lift Cover
Amp	NEMA 5-15 15A 125V		2P/3W	Yellow Black Clear	HBL14W47A HBL14W47BK HBL14W47AWC	HBL15W47A HBL15W47BK HBL15W47AWC	HBL60W47 HBL60W47BK —	HBL60W47D — —
15/	NEMA 6-15 15A 250V	■ ■ ■	2P/3W	Yellow	HBL14W49	HBL15W49	HBL60W49	HBL60W49D
Amp	NEMA 5-20 20A 125V		2P/3W	Yellow Clear	HBL14W33A HBL14W33AWC	HBL15W33A HBL15W33AWC	HBL60W33 —	HBL60W33D —
20 4	NEMA 6-20 20A 250V		2P/3W	Yellow	HBL14W48	HBL15W48	HBL60W48	HBL60W48D

15 Amp Twist-Lock® Devices

	Rating	Plug/ Connector	Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover	Duplex Recept. with Lift Cover
15 Amp	NEMA L5-15 15A 125V		2P/3W	Yellow Black Clear	HBL24W47A HBL24W47BK HBL24W47AWC	HBL25W47A HBL25W47BK HBL25W47AWC	HBL65W47 — —	HBL65W47D — —
	NEMA L6-15 15A 250V		2P/3W	Yellow	HBL24W49	HBL25W49	HBL65W49	HBL65W49D
	NEMA L7-15 15A 277V AC		2P/3W	Yellow Black	HBL24W34 HBL24W34BK	HBL25W34 HBL25W34BK	HBL65W34 —	HBL65W34D —

Note: *Single and duplex receptacles while in use, not with cover closed.





UL Type 4, 4X, 6P



20 Amp and 30 Amp Twist-Lock® Devices

20	Amp and 30 Amp	IWISI-LOC	K, De	vices			
	Rating	Plug/Connector	Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover
	NEMA L5-20 20A 125V	() (() () () () () () () () (2P/3W	Yellow Black Clear	HBL26W47 HBL26W47BK HBL26W47WC	HBL27W47 HBL27W47BK HBL27W47WC	HBL67W47 —
	NEMA L6-20 20A 250V	(*) (° (° (*)	2P/3W	Yellow Black	HBL26W48 HBL26W48BK	HBL27W48 HBL27W48BK	HBL67W48 HBL67W48BK
	NEMA L7-20 20A 277V AC	() () ()	2P/3W	Yellow	HBL26W49	HBL27W49	HBL67W49
	NEMA L14-20 20A 125/250V AC		3P/4W	Yellow	HBL26W74	HBL27W74	HBL67W74
۵	NEMA L15-20 20A 3Ø 250V AC		3P/4W	Yellow Black	HBL26W75 HBL26W75BK	HBL27W75 HBL27W75BK	HBL67W75 HBL67W75BK
20 Amp	NEMA L16-20 20A 3Ø 480V AC		3P/4W	Yellow Black	HBL26W76 HBL26W76BK	HBL27W76 HBL27W76BK	HBL67W76 HBL67W76BK
	NEMA L21-20 20A 3ØY 120/208V AC		4P/5W	Yellow Black	HBL26W81 HBL26W81BK	HBL27W81 HBL27W81BK	HBL67W81 —
	NEMA L22-20 20A 3ØY 277/480V AC		4P/5W	Yellow	HBL26W82	HBL27W82	HBL67W82
	NEMA L23-20 20A 3ØY 347/600V		4P/5W	Yellow	HBL26W83	HBL27W83	HBL67W83
	20A 125/250V Non-NEMA		3P/3W	Yellow	HBL26W08	HBL27W08	HBL67W08
	20A 3ØY 120/208V AC Non-NEMA		4P/4W	Yellow	HBL26W09	HBL27W09	HBL67W09
	NEMA L5-30 30A 125V	() () () () () () () () () ()	2P/3W	Yellow Black	HBL28W47 HBL28W47BK	HBL29W47 HBL29W47BK	HBL69W47 —
	NEMA L6-30 30A 250V		2P/3W	Yellow Black	HBL28W48 —	HBL29W48 —	HBL69W48 HBL69W48BK
	NEMA L7-30 30A 277V AC		2P/3W	Yellow	HBL28W49	HBL29W49	HBL69W49
	NEMA L14-30 30A 125/250V AC		3P/4W	Yellow	HBL28W74	HBL29W74	HBL69W74
	NEMA L15-30 30A 3Ø 250V AC		3P/4W	Yellow Black	HBL28W75 HBL28W75BK	HBL29W75 HBL29W75BK	HBL69W75 HBL69W75BK
	NEMA L16-30 30A 3Ø 480V AC		3P/4W	Yellow Black	HBL28W76 HBL28W76BK	HBL29W76 HBL29W76BK	HBL69W76 HBL69W76BK
30 Amp	NEMA L17-30 30A 3Ø 600V AC		3P/4W	Yellow	HBL28W77	HBL29W77	HBL69W77
က	NEMA L18-30 30A 3ØY 120/208V AC		4P/4W	Yellow	HBL28W78	HBL29W78	_
	NEMA L21-30 30A 3ØY 120/208V AC		4P/5W	Yellow Black	HBL28W81 HBL28W81BK	HBL29W81 HBL29W81BK	HBL69W81 —
	NEMA L22-30 30A 3ØY 277/480V AC		4P/5W	Yellow	HBL28W82	HBL29W82	HBL69W82
	NEMA L23-30 30A 3ØY 347/600V AC		4P/5W	Yellow	HBL28W83	HBL29W83	HBL69W83
	30A 125/250V Non-NEMA		3P/3W	Yellow	HBL28W08	HBL29W08	HBL69W08
	30A 3ØY 120/208V AC Non-NEMA		4P/4W	Yellow	HBL28W09	HBL29W09	_







HBL24W47A



HBL25W47A



HBL26W47WC



HBL27W47WC



HBL26W47



HBL27W47BK



HBL27W47









Accessories

UL Type 4X

IP65, 66, 67











UL Type 4X Watertight Lift Covers



HBL6500

	Description	Color	Lift Cover
sembly	For use with 15A or 20A straight blade receptacles and 15A Twist-Lock® receptacles; receptacle not included.	Yellow Black	HBL6500 HBL6500BK
As	For use with 20A Twist-Lock® receptacles; receptacle not included.	Yellow Black	HBL6700 HBL6700BK
ver	Note: When mating with HBL26W09 , 20A Non-NEMA plug, use HBL6800 cover.		
Lift Co	For use with 30A Twist-Lock® receptacles; receptacle not included.	Yellow Black	HBL6800 HBL6800BK





HBL29W75IN

		125V		3Ø 25	50V AC	3Ø 480V AC	
	Device	Plug	Receptacle	Plug	Receptacle	Plug	Receptacle
15A	Straight Blade Locking	HBL14W47IN HBL24W47IN	HBL15W47IN —	=	=	=	_
20A	Locking	_	HBL27W47IN	HBL26W75IN	_	HBL26W76IN	HBL27W76IN
30A	Locking	_	_	HBL28W75IN	HBL29W75IN	HBL28W76IN	HBL29W76IN

Bushings, Cone Seals and Closure Caps



				Closur	re Caps
	Device	Bushings	Cone Seals	Yellow	Black
15A	Straight Blade Locking	HBLWTB1 HBLWTB1	HBLWTCS1 HBLWTCS1	HBL50W50 HBL50W50	HBL50W50BK HBL50W50BK
20A	Straight Blade Locking	HBLWTB1 HBLWTB2	HBLWTCS1 HBLWTCS2	HBL50W50 HBL50W52	HBL50W50BK HBL50W52BK
30A	Locking	HBLWTB3	HBLWTCS3	HBL50W54	HBL50W54BK



UL Type 4X

IP65,66,69k*

FD Boxes and Angled Adapters

Hubbell FD boxes and angled adapters are made of high impact resistant material. They are the only NEC® compliant box system that has enough wiring room for a 50A Twist-Lock® device. The stainless steel mounting and grounding bracket provides corrosion resistance, necessary in direct wash down applications. The FD Boxes are UL Type 4X rated when used with Watertight Lift Covers, i.e. HBL6500 or HBL6700 as well as with a blank plate such as HBL60CM88. The box and angled adapter can either be purchased separately or as a kit. The FD box and Adapter can be used with any single or duplex receptacle up to a

50A Twist-Lock[®].







Housing Design

- 30 cu. in. FD box made of high impact thermoplastic material
- ¾" NPT and 1" NPT threaded hub options
- Stainless steel mounting/grounding bracket
- External mounting feet, accepts #10 screw



Adapter

- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Accepts duplex and single receptacles up to a 50A Twist-Lock[®]

FD Boxes and Angled Adapters

	Description	Catalog Number
	(2) ¾" NPT Hubs, FD Box, Yellow	HBL60CM83A
	(2) ¾" NPT Hubs, FD Box, White	HBL60CM83WA
Boxes	(2) 34" NPT Hubs, FD Box, Gray	HBL6083
8	(2) 1" NPT Hubs, FD Box, Yellow	HBL60CM84A
	(2) 1" NPT Hubs, FD Box, White	HBL60CM84WA
	(2) 1" NPT Hubs, FD Box, Gray	HBL6084
ırs	55° Angle Adapter, Yellow	HBL60CM55
Adapters	55° Angle Adapter, White	HBL60CM55W
Ad	55° Angle Adapter, Gray	HBL6055
	(2) ¾" NPT Hubs, Box/Adapter Kit, Yellow	HBL60CM83AK
	(2) 3/4" NPT Hubs, Box/Adapter Kit, White	HBL60CM83WAK
Kits	(2) 3/4" NPT Hubs, Box/Adapter Kit, Gray	HBL6083AK
云	(2) 1" NPT Hubs, Box/Adapter Kit, Yellow	HBL60CM84AK
	(2) 1" NPT Hubs, Box/Adapter Kit, White	HBL60CM84WAK
	(2) 1" NPT Hubs, Box/Adapter Kit, Gray	HBL6084AK
ร	Blank Cover Plate, Yellow	HBL60CM88
overs	Blank Cover Plate, White	HBL60CM88W
ŏ	Blank Cover Plate, Gray	HBLP14FS

Note: *Plug, receptacle and FD box required for IP69K rating. Angled adapters are not UL/CSA listed or UL Type 4X.







HBL60CM88



HBL60CM83A

HBL60CM88W



HBLP14FS

GFCI Protected FD Box

The GFCI protected FD box provides a UL Type 4X GFCI enclosure made for wet and damp locations for 30A 120V and 240V Watertight receptacles. The GFCI response time does not exceed .025 seconds ensuring a safe circuit shut down if the current were to deviate from its path. Auto resetting GFCI box, when connected to an FD box by utilizing a PolyTuff® liquid tight conduit provides advanced safety features for Watertight devices.





GFCI Housing Design

- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- 30A, 120V and 240V with auto reset
- GFCI response time is .025 sec. Max.
- Grounded neutral protection trips if ground and neutral touch at load side

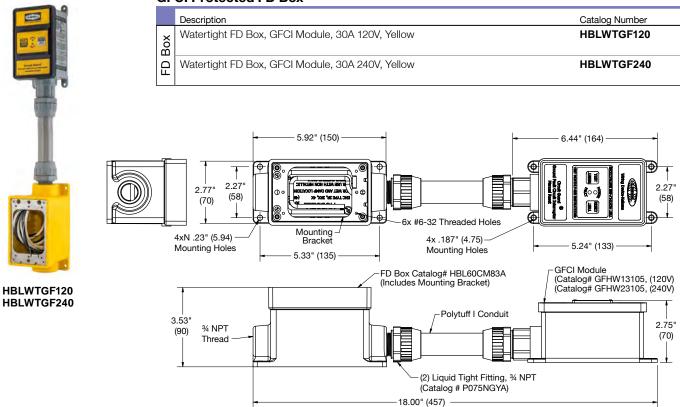


FD Box

- Utilizes PolyTuff® liquidtight conduit and fittings
- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- For use with single and duplex watertight receptacles (single phase only)

Note: Watertight receptacles purchased separately.

GFCI Protected FD Box





Box Suitable for Wet and Damp Locations

IP44

Portable Outlet Boxes and Covers for Boxes and Panels

The thermoplastic elastomer material of the Portable Outlet Box provides a strong housing with enough capacity for multiple devices to fit, with cord feed through options available. The impact resistant PBT covers add to the durability of the box and the devices inside. There are several cord connectors available ranging from standard to deluxe, providing unmatched strain relief. The covers provide a UL Type 3R weather resistant seal suitable for wet and damp locations. Portable Outlet Boxes are available as pre-assembled or can be configured as needed.







Housing Design

- Fully thermoplastic elastomer housing exceeds UL crush requirements
- Wiring room large enough to accommodate the broadest range of device requirements in one size box
- Extended wall protects lift covers from impact damage
- Brass inserts for maximum strength



- Impact resistant PBT material
- UL Type 3R seal on a panel or on a portable outlet box
- Stainless steel hinge and spring

Pre-Assembled Portable Outlet Boxes (with Cord Connector Installed)

	Description	Cord Range Inches (mm)	Catalog Number
S	Portable Outlet Box, Deep, Yellow	.38"50" (9.7-12.7)	HBL3099
oxes	Portable Outlet Box, Deep, Feed Thru, Yellow	.38"50" (9.7-12.7)	HBL3090F
В	Portable Outlet Box, Deep, Yellow with (2) duplex plates	.38"50" (9.7-12.7)	HBL3000









HBL3080F

HBL3099

HBL3000

HBL3080BK

Co	nfigurable Portabl	e Outlet Box	es
			Сс

			Cord Range	Cord Connector Options		Deluxe Cord	
	Empty Box Options	Catalog Number	Inches (mm)	Gray Nylon	Black Nylon	Connectors	
Boxes	Outlet Box, Yellow	HBL3080	.38"50" (9.7-12.7)	SHC1039CR	_	_	
	Outlet Box, Black Feed Thru Box, Yellow	HBL3080BK HBL3080F	.50"63" (12.7-15.9)	SHC1040CR	SHC2040CR	CG810NM	
	Feed Thru Box, Black	HBL3080FBK	.63"75" (15.9-19.0)	SHC1041CR	SHC2041CR	074011341	
			.75"88" (19.0-22.2)	SHC1042CR	SHC2042CR	074011342	
			.88"-1.00" (22.2-25.4)	SHC1043CR	SHC2043CR	074011343	
	Note: Includes Locknut.		.59"-1.00" (15.0-25.4)	SEC100GA	SEC100BA	_	

Covers for Portable Outlet Boxes and Panels

	Description	UL Type 3R	UL Type 1
<i></i>	Outlet box cover, duplex receptacle	HBL3056	HBL3051
vers	Outlet box cover, 1.39" diameter receptacle	HBL3057	HBL3052
ox Co	Outlet box cover, 1.572" diameter receptacle	HBL3058	HBL3055
	Outlet box cover; GFCI	HBL3061	HBL3060
Ω	Outlet box coverplate, blank	HBL3054	_

UL Type 3R





HBL3051

UL Type 1 HBL3052

HUBBELL[®] Wiring Device-Kellems





HBLPOB1



White POB



Cover Plates



Deluxe Cord Grips (purchased separately)



Gray Nylon
Cord Connector

Heavy Duty Portable Outlet Boxes and Cover Plates

Description	Catalog Number
Box with cord strain relief, with one blank cover plate.	HBLPOB1
White box with cord strain relief, one blank white cover plate.	HBLPOB1L
Box with cord strain relief, with one blank cover plate, black.	HBLPOB1BK
Box with cord strain relief, with two duplex (indoor) cover plates.	HBLPOB1D
White box with cord strain relief, with two white duplex (indoor) cover plates.	HBLPOB1DL
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	HBLPOB1DY
Blank, non-metallic FS cover plate with foam gasket, gray.	HBLP14FS
Blank, non-metallic FS cover plate with foam gasket, white.	HBLP14FSL
Duplex, non-metallic FS cover plate, gray.	HBLP8FS
Duplex, non-metal FS cover plate, white.	HBLP8FSL
Duplex, non-metallic FS cover plate, yellow.	HBLP8FSY
Single receptacle (1.39"), non-metallic FS cover plate, gray.	HBLP7FS
Single receptacle (1.56"), non-metallic FS cover plate, gray.	HBLP720FS
Rectangular opening, non-metallic FS cover plate, gray.	HBLP26FS
Rectangular opening, non-metallic FS cover plate, White.	HBLP26FSL

Other Cover Plates and Devices

which may be used with Heavy Duty Portable Outlet Boxes

Description	Catalog Number
Duplex cover plate, weatherproof.	HBL5221, HBL52CM21
Single receptacle (1.39") cover plate, weatherproof. Single receptacle (1.56") cover plate, weatherproof.	HBL7423WO, HBL74CM23WO HBL7425WOA. HBL74CM25WOA
Safety-Shroud Twist-Lock® surface receptacles.	HBL2310SR, HBL2320SR, HBL2330SR,
	HBL2610SR, HBL2620SR

Note: Standard product gray, CM yellow.

Deluxe Cord Grips Straight Male Thread

Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Range	Thread Size	Form	
Inches (cm.)	NPT (inches)	Size	Catalog Number
.375"500" (.97-1.27)	3/4 "	F3	074011335
.500"625" (1.27-1.59)	3/4 "	F3	074011336
.625"750" (1.59-1.90)	3/4"	F3	074011337

Nylon Cord Connector Straight Male Thread

Grip Diameter Range	Thread Size	Form	
Inches (cm.)	NPT (inches)	Size	Catalog Number
.375"500" (.97-1.27)	3/4"	F3	SHC1035CR
.500"625" (1.27-1.59)	3/4"	F3	SHC1036CR
.625"750" (1.59-1.90)	3/4"	F3	SHC1037CR

Specifications for Heavy Duty Portable Outlet Boxes and Cover Plates

UL Listed
UL 514C, UL467 and UL50 Enclosures Types 1, 3R.
CSA Certified
C22.2 No. 18 and C22.2 No. 94 Enclosures Types 1, 3R and
C22.2 No. 0.4 (Impedance).

Box Specifications:

Moisture Resistance

Wet and damp locations, Enclosure Type 3R when used with weatherproof

cover plates. Dry, indoors locations, Enclosure Type 1 with all other cover plates. Flammability
UL 94V-0, 94-5VA classification.
Operating Temperature
UL 94V-0, 94-5VA classification.
80°C maximum; -35°C minimum.

UV Resistance SU C maximum; -35°C minimum UV Resistance Impact and Crush Resistance in accordance with UL 514C, UL

Impact and Crush Resistance in accordance with UL 514C, UL50, C22.2 No. 18 and C22.2 No. 94. Waterial Valox®.

Cord Connector Materials

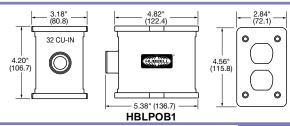
Nylon nut; Nylon Gotcha® ring; Neoprene grommet.

38" to .75" diameter.

Bonding Strap Material Brass.
Threaded Inserts Brass.
Grounding Screw Material Brass.
Indoor Cover Plate Screws Material Stainless Steel.

Cover Plate Gasket Material UL recognized closed-cell foam (aging and oil resistant).

Dimensions



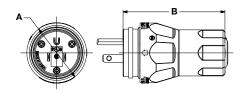
Valox[®] is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

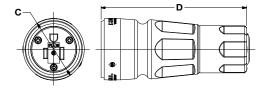
Watertight Devices

Plugs and Connectors Inches (mm)

		15A & 20A Straight Blade	15A Non-NEMA Straight Blade	15A Twist-Lock [®]	20A Twist-Lock®	30A Twist-Lock®
Plugs	Α	1.85" (47.07)	1.63" (41.40)	1.85" (47.07)	2.51" (63.70)	2.77" (70.41)
	В	3.16" (80.27)	2.68" (68.00)	3.21" (81.46)	3.96" (100.69)	3.94" (99.98)
Connectors	С	1.85" (47.07)	1.80" (46.00)	1.85" (47.07)	2.51" (63.70)	2.77" (70.41)
	D	4.42" (112.14)	4.00" (102.00)	4.62" (117.22)	5.69" (144.55)	5.67" (144.00)

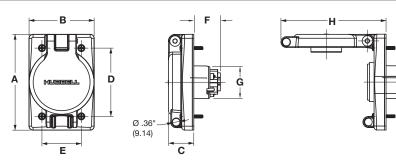
Note: For HBL26W09 and HBL27W09 use 30A Twist-Lock® dimensions.





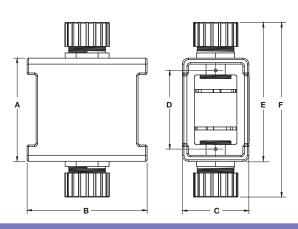
Receptacles with Lift Covers Inches (mm)

	coptacios mitir Em	t OOVCIO monos (min)				
	15A & 20A Straight Blade	15A Twist-Lock®	20A Twist-Lock®	20A Non-NEMA	30A Twist-Lock®	30A Non-NEMA
Α	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)	4.56" (115.9)
В	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)	3.10" (78.7)
С	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)	1.20" (30.6)
D	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)	3.25" (82.6)
E	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)	1.88" (47.6)
F	1.26" (32.0)	1.46" (37.1)	1.72" (43.7)	2.26" (57.4)	1.72" (43.7)	1.97" (50.0)
G	1.63" (41.4)	1.63" (41.4)	2.25" (57.2)	2.25" (57.2)	2.25" (57.2)	2.25" (57.2)
Н	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)



Portable Outlet Boxes Inches (mm)

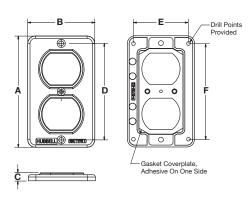
	Pre-Assembled	Configurable
Α	4.30" (109.2)	4.30" (109.2)
В	5.00" (127.0)	5.00" (127.0)
С	2.77" (70.4)	2.77" (70.4)
D	3.28" (83.3)	3.28" (83.3)
Е	5.79" (147.0)	_
F	7.28" (184.9)	_



Box Covers Inches (mm)

	Covers
Α	3.78" (96.0)
В	2.28" (57.9)
С	0.27" (6.9)
D	3.28" (83.3)
Е	1.87" (47.5)
F	3.25" (82.6)

Note: Style shown is representative of all openings.



Watertight Devices

Materials

materiale	
Plug/Connector	
Part	Materials
Blade/Contact Carrier	Nylon, white
Terminal Retainer	Polycarbonate, clear
Housing	Thermoplastic elastomer
Housing Insert	Nylon, white
Strain Relief Nut	PBT thermoplastic, gray
Blades/Contacts	Brass, nickel plated
Terminal Screws	Brass
Terminal Screw Size	#8-32 15A/20A Straight Blade and 15A Twist-Lock®;

#10-32 20A and 30A Twist-Lock

Assembly Screws Stainless Steel **Bushings** Thermoplastic elastomer, black

Gotcha Ring Nvlon Cone Seal Thermoplastic elastomer, black Thermoplastic elastomer Closure Cap

Receptacle Assembly

Materials Base, Flip Lid and Backplate Seal Collar Thermoplastic elastomer Mounting Screws Stainless Steel

Spring and Hinge Pin Stainless Steel Portable Outlet Box and Accessories

Portable Outlet Box	and Accessories	
Part	Materials	
Box Enclosure	Thermoplastic elastomer	
Strain Relief Nut	PBT	
Grommet	Thermoplastic elastomer	
Gotcha Ring	Nylon	
Locknut	Steel, zinc plate	
Threaded Inserts	Brass	
Receptacle Screw	Stainless steel	
Cover Plate	PBT	
Cover Plate Seal	Neoprene	
Cover Plate Spring	Stainless steel	
Hinge Pin	Stainless steel	
Hinge Bracket	Zinc plated steel	

Zinc plated steel

Specifications

Listings (Plug/Connector and Flip Lid Assembly) Listed to UL498 Certified to CSA C22.2 No. 42 Meets NEMA WD-1, WD-6, and ANSI standards IP66 Suitability NSF Certified (Plugs, Connectors and Receptacles)

Part Materials Box Enclosure PRT Ground Bracket 316 Stainless Steel Ground Screw Brass Angle Adapter **PBT**

Environmental

Box UL Type 4X (with UL Type 4X receptacle assembly) UL Type 3R

(with weatherproof cover plate)

Performance

E	lectrical	
_		

Rivets

Dielectric Voltage 2000V AC if rated 300V or less; 3000V AC if rated above 300V Connectors: 2500V AC if rated 300V or less; 3500V AC if rated above 300V Pluas:

Max Working Voltage As marked

Current Interrupting Rated for current interruption per UL498 Temperature Rise 30°C max per UL498 at rated current

Mechanical

Cord and terminal accommodations:

|--|

16/3 SJ to 10/3 SJ, 18/3 S to 12/3 S, (Ø.325" to Ø625") (Ø8.3mm to Ø15.9 mm) 15 and 20A Straight Blade

and 15A Locking

20A Locking Except Min. Cord: 16/3 SJ, 18/3 S, 18/4 SJ, 18/4 S, 18/5 S, (Ø.325") (Ø8.3 mm)

HBL26W09 & HBL27W09 Max. Cord: 10/3 S, 10/4 S, 10/5 S (.875") (22.2 mm)

30A Locking Including Min Cords: 12/3 SJ, 16/3 S, 14/4 SJ, 18/4 S, 18/5 S, (Ø.375") (Ø9.5 mm)

HBL26W09 & HBL27W09 Max Cord: 8/3 S, 8/4 S, 10/5 S (1.125") (28.6 mm)

Receptacles – use solid or stranded building wire or flexible cord only as outlined below:

All Straight Blade 18 AWG to 10 AWG 18 AWG to 10 AWG 15A Lockina 20A and 30A Locking 18 AWG to 8 AWG

Portable Outlet Boxes

.38" to .68" (HBL3099, HBL3090F, HBL3000) and .38" to 1.00" with user-specified cord connector Cord Range

Wiring Volume

Environmental

Moisture Resistance UL Listed to 3R, 3RX, 4, 4X, 6, 6P, 12 (Plugs and connectors); 3R, 3RX, 4, 4X (Receptacles); Wet and Damp Locations

(Portable outlet boxes); Covers (POB) UL Type 3R and Wet Locations cover closed

UL94V0 (boxes, covers, and plates); UL94V2 (Plugs, connectors, and interiors); UL94HB (Caps, bushings, and cone seals)

-40°C (without impact) to +60°C continuous All exposed materials are UV stabilized

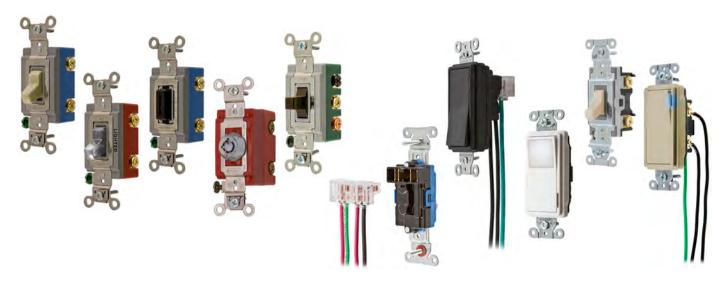
Operating Temperatures

UV Resistance

Flammability

SECTION D

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HBL® Extra Heavy Duty Industrial Grade

The HBL® Switch provides the safest and most reliable design for heavy-duty Industrial environments.

- 15, 20 and 30 Amp 120/277V AC
- Single Pole, Double Pole, 3-Way and 4-Way
- Illuminated and Pilot with LED
- Locking Both Standard and Rotary
- 3 Position Momentary and Maintained
- Abuse Resistant Nylon Toggle





Housing Design

- One-piece design engineered thermoset base for superior heat dissipation
- One-piece design high impact-resistant thermoplastic front for heavy-duty industrial environments
- Stainless steel automatic grounding clip assures grounding continuity between mounting strap and metal wall box



Wiring Design

- Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing
- Large brass binding head screws with deep slots secure wire connections
- Strip gauge for accurate wiring



Bridge Design

- One-piece bridge with integral grounding terminal with #8 brass screw allows compliance to NEC®
- Steel nickel plated mounting strap provides a superior corrosion resistant finish
- Thread cleaning captive mounting screw



Toggle

- Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments
- Elastomer rocker assures quiet operation and precise timing
- Permanently lubricated assembly provides long life and trouble free operation



Identification

- Color coded base identifies amperage when terminating connections, 15A (Blue), 20A (Red) and 30A (Green)
- Prominent amperage marking allows easy identification of rating



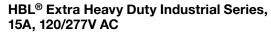
Contacts

- One-piece rivetless copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise
- Large silver alloy contacts reduce contact erosion and prevent welding, providing long life

 $\ensuremath{\mathit{NEC}}^{\otimes}$ is a registered trademark of the National Fire Protection Association (NFPA).







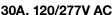
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black Brown Gray Ivory	HBL1201BK HBL1201 HBL1201GY HBL1201I	HBL1202 HBL1202I	HBL1203BK HBL1203 HBL1203GY HBL1203I	HBL1204BK HBL1204 HBL1204GY HBL1204I
	Light Almond Red White	HBL1201LA HBL1201R HBL1201W		— — HBL1203W	— — HBL1204W

1.25" (31.8) #6-32 TAP 2.33" 3.28" (59.1) 2.28" (57.9) 1.13" (28.7)

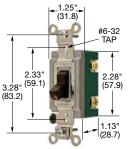
HBL1221

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black Brown Gray Ivory Light Almond Red White	HBL1221BK HBL1221 HBL1221GY HBL1221I HBL1221LA HBL1221R HBL1221W	HBL1222BK HBL1222 HBL1222GY HBL1222I HBL1222LA HBL1222R HBL1222W	HBL1223BK HBL1223 HBL1223GY HBL1223I HBL1223LA HBL1223R HBL1223W	HBL1224BK HBL1224 HBL1224GY HBL1224I HBL1224LA HBL1224R HBL1224W



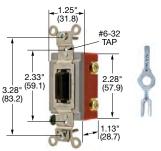
30A, 120/211V AC						
Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way	
Nylon toggle.	Brown	HBL3031	HBL3032	HBL3033	_	
	lvory	HBL3031I	HBL3032I	HBL3033I	_	
	White		HBL3032W	_	_	



HBL3031

HBL® Extra Heavy Duty Industrial Locking Series, 15A, 120/277V AC

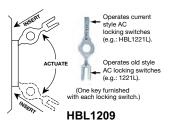
Key for Locking	switch.	HBL1209				
Key Guide, back and side wired.	Black Gray Ivory White	HBL1201L HBL1201LG HBL1201LI HBL1201LW	HBL1202L HBL1202LG HBL1202LI HBL1202LW	HBL1203L HBL1203LG HBL1203LI HBL1203LW	HBL1204L HBL1204LG HBL1204LI HBL1204LW	
Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way	
						-



HBL1221L and Key

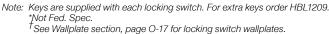
20A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Key Guide, back and side wired.	Black Gray Ivory White	HBL1221L HBL1221LG HBL1221LI HBL1221LW	HBL1222L HBL1222LG HBL1222LI HBL1222LW	HBL1223L HBL1223LG HBL1223LI HBL1223LW	HBL1224L HBL1224LG HBL1224LI HBL1224LW
Key for Locking	switch.	HBL1209			



HBL® Extra Heavy Duty Industrial AC Barrel Key Locking Switch[†], 20A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Chrome operator, back and side wired	Chrome	HBL1221RKL*	HBL1222RKL*	HBL1223RKL*	HBL1224RKL*
Replacement Barre	Key.	HBL1209RKL			

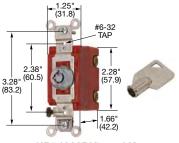


' See Wallplate section, page O-1/ for locking switch wallplate See page D-15 for accessories and page D-16 for wallplates.

See page D-22 for technical information.

HP C	onversion	Chart	
	120V	208V	
		4 51 15	_

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

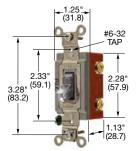


HBL1222RKL and Key

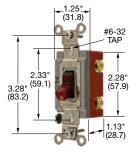




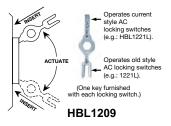


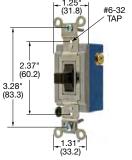


HBL1221ILC

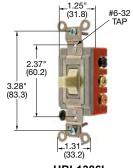


HBL1221PL





HBL1381



HBL1386I

Dimensions in Inches (mm)

HBL® Extra Heavy Duty Industrial Series, Illuminated Toggle Switches, Light ON with Load OFF

Description	Toggle Color	Rating	Single Pole	Double Pole	Three Way
Nylon toggle, back and side wired.	lvory	15A 120/277V AC	HBL1201IL	_	HBL1203IL
	lvory Clear Red	20A 120/277V AC	HBL1221IL HBL1221ILC HBL1221ILR	_ _ _	HBL1223IL HBL1223ILC —

HBL® Extra Heavy Duty Industrial Series, Pilot Light Switches, Light ON with Load ON

Description	Toggle Color	Rating	Single Pole	Double Pole	Three Way
Nylon toggle, back and side wired.	Red	15A 120/277V AC	HBL1201PL	_	HBL1203PL
	Red Clear Green	20A 120/277V AC	HBL1221PL HBL1221PLC HBL1221PLG	HBL1222PL — —	HBL1223PL HBL1223PLC
	Red	30A 120/277V AC	HBL3031PL	HBL3032PL	_

HBL® Extra Heavy Duty Industrial Series, Momentary Contact, Specification Grade, Three Position, Two Circuit, Center OFF

Description	Toggle Color	15A, 120/277V AC	20A, 120/277V AC
Nylon toggle, back and side wired.	Brown Gray Ivory Light Almond Red White	HBL1556 HBL1556GY HBL1556I HBL1556LA HBL1556R HBL1556W	HBL1557 HBL1557GY HBL1557I HBL1557LA — HBL1557W
Key guide, back and side wired.	Black Gray Ivory White	HBL1556L HBL1556LG HBL1556LI HBL1556LW HBL1209	HBL1557L HBL1557LG HBL1557LI HBL1557LW

HBL® Extra Heavy Duty Industrial Series, Maintained Contact, Specification Grade, Three Position, Two Circuit, Center OFF, Single Pole, Double Throw

	,	, , -	J,	-
Description	Toggle Color	15A 120/277V AC	20A 120/277V AC	30A 120/277V AC
Nylon toggle, back	Brown	HBL1381	HBL1385	_
and side wired.	lvory	HBL1381I	HBL1385I	_
	White	_	HBL1385W	_

Three Position, Two Circuit, Center OFF, Double Pole, Double Throw

Description	Toggle Color	15A 120/277V AC	20A 120/277V AC	30A 120/277V AC
Nylon toggle, back and side wired.	Brown Ivory	HBL1382 HBL1382I	HBL1386 HBL1386I	HBL1388 HBL1388I
Locking.		_	HBL1386L	_
Key for Locking switch	h.	_	HBL1209	_

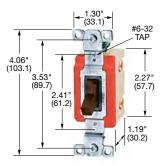
Note: Keys are supplied with each locking switch. For extra keys order HBL1209. See page D-15 for accessories and page D-16 for wallplates. See page D-22 for technical information.

HP Conversion Chart								
	120V	208V	240V	277V AC				
15A	.5HP	1.5HP	2HP	2HP				
20A	1HP	2HP	2HP	2HP				
30A	2HP	2HP	2HP	2HP				

HBL® Extra Heavy Duty Industrial Series, 15A, 347V AC



Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown Ivory White	HBL18201CN HBL18201ICN HBL18201WCN	_ _ _	HBL18203CN HBL18203ICN HBL18203WCN	HBL18204ICN
Locking.		HBL18201LCN	_	HBL18203LCN	_
Key for Locking switch.		HBL1209*			



HBL18221CN

20A, 347V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown Ivory White	HBL18221CN HBL18221ICN HBL18221WCN	_	HBL18223CN HBL18223ICN HBL18223WCN	

PresSwitch® Specification Grade Push Button, Standard Type 20A, 120/277V AC





Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon actuator, side wired only.	Brown	HBL1281	HBL1282	HBL1283*	HBL1284*
	Ivory	HBL1281I	HBL1282I	HBL1283I*	HBL1284I*



HBL1281

Momentary Type** 20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Circuit normally closed, side wired only.	Brown	HBL1281MC*	_	_	_
Circuit normally open, side wired only.	Brown	HBL1281MO*	_	_	_

Illuminated and Pilot Light PresSwitch®, 120V AC Lighted Actuator, Light ON with Load OFF**



Four Way



Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
15A, nylon actuator.	lvory	_	_	_	HBL1259I*
20A, nylon actuator.	lvory	HBL1287I	_	HBL1288I*	_

Double Pole

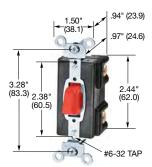
Three Way

HBL1298*

Pilot Light Actuator, Light ON with Load ON,

Single Pole

HBL1297



HBL1297

Note:	Kevs are	supplied w	ith each l	ockina switch	For extra ke	vs order HRI 1209

*Not UL Listed, CSA Certified.

**Not HP rated.

20A, 120V AC

Description

Nylon actuator.

See page D-15 for accessories and page D-16 for wallplates.

Toggle Color

Red

See page D-22 for technical information.

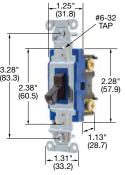
ЦΠ	^	:	Chart
пΡ	Conve	rsion	Chari

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

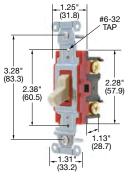




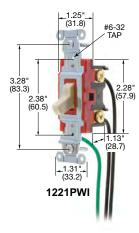


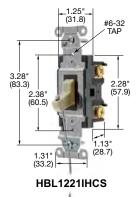


1201BK



12211





Dimensions in Inches (mm)

Hubbell-PRO Heavy Duty Industrial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle,	Black	1201BK	_	1203BK	_
back and	Brown	1201B	_	1203B	_
side wired.	Gray	1201GY	_	1203GY	_
	Ivory	1201I	_	1203I	_
	Light Almond	1201LA	_	1203LA	_
	White	1201W	_	1203W	_

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle,	Black	1221BK	1222BK	1223BK	1224BK
back and	Brown	1221B	1222B	1223B	1224B
side wired.	Gray	1221GY	1222GY	1223GY	1224GY
	Ivory	1221I	1222I	1223I	1224I
	Light Almond	1221LA	1222LA	1223LA	1224LA
	Red	1221R	1222R	1223R	1224R
	White	1221W	1222W	1223W	1224W

Hubbell-PRO Pre-Wired/Leaded Heavy Duty Industrial Series, 20A, 120/277V AC - 8 Inch #12 AWG THHN

	7.10 0 11.10.11				
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Pre-wired leads.	Black Brown Gray Ivory Light Almond Red White	1221PWBK 1221PWB 1221PWGY 1221PWI 1221PWLA 1221PWR 1221PWW	1222PWBK 1222PWB 1222PWGY 1222PWI 1222PWLA 1222PWR 1222PWW	1223PWBK 1223PWB 1223PWGY 1223PWI 1223PWLA 1223PWR 1223PWW	1224PWBK 1224PWB 1224PWGY 1224PWI 1224PWLA 1224PWR 1224PWW

Hubbell-PRO Hospital Call Switch with Lanyard, 20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way	
Toggle,	Gray	HBL1221GHCS	_	_	_	
back and side wired.	lvory White	HBL1221IHCS HBL1221WHCS	_	_	_	

Note: See page D-15 for accessories and page D-16 for wallplates. See page D-22 for technical information.

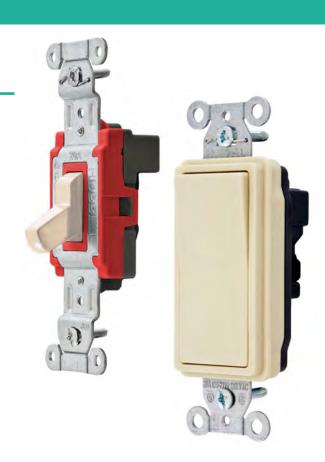
HP	Conversion	Chart	
			١

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

SNAPConnect® Heavy Duty Toggle and Decorator Series

SNAPConnect® Devices offer superior installation efficiency for new construction and renovations, while delivering safe, reliable connections. Instead of conventional wiring methods, SNAPConnect's modular connector is installed during rough-in in lieu of pigtails. Once the walls are up, the protective covering is removed and the terminal is simply snapped into the SNAPConnect device for a consistent connection every time. Once installed, SNAPConnect's modular design enables simple device change-out by maintenance personnel.

- SNAPConnect® Eliminates Exposed Live Terminals on the Device
- Complete Trim-Out in Less Than One Minute
- Abuse Resistant Nylon Toggle for Heavy Use Applications
- Stainless Steel Autoground
- Large Silver Alloy Contacts Reduce Contact Erosion Providing Long Life
- Many of these Products are Assembled in USA, Please Contact Hubbell with any Certification Requirements





Housing Design

- Thermoplastic top and base material
- Steel, zinc plated bridge is corrosion resistant
- Thread cleaning captive mounting screw



Assembly

- SNAPConnect® eliminates exposed live terminals on the device
- Termination method uses a SNAP-In Connector. Wiring the connector into the wall box can be done prior to trim out; changing or replacing switches is also a "SNAP"



LED Technology

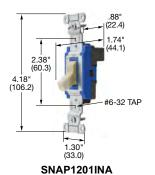
 Pilot and Illuminated versions use LEDs for longer life

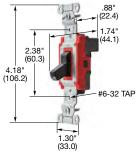


Pigtailed Connectors

- Clear right angle terminal, 6 inch leads, solid or stranded wire
 - 3 wire connector for single pole and single pole illuminated
 - 4 wire connector for single pole pilot light switch
 - 4 wire connector for three way and three way illuminated







SNAP1221BKNA



SNAPSWJUMP



HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

SNAPConnect® Specification Grade Toggle Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAPConnect®	Black	SNAP1201BKNA	_	SNAP1203BKNA	_
Toggle.	Brown	SNAP1201BRNA	_	SNAP1203BRNA	_
	Gray	SNAP1201GYNA	_	SNAP1203GYNA	_
	Ivory	SNAP1201INA	_	SNAP1203INA	_
	Lt. Almond	SNAP1201LANA	_	SNAP1203LANA	_
	Red	SNAP1201RNA	_	SNAP1203RNA	_
	White	SNAP1201WNA	_	SNAP1203WNA	_
20A, 120/277V	AC				
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAPConnect®	Black	SNAP1221BKNA	_	SNAP1223BKNA	_

SNAP1221BRNA

SNAP1221GYNA

SNAP1221LANA

SNAP1221RNA

SNAP1221WNA

SNAP1221INA

SNAP1223BRNA

SNAP1223GYNA

SNAP1223LANA

SNAP1223RNA

SNAP1223WNA

SNAP1223INA

Illuminated, Light ON with Load OFF, 15A, 120/277V AC

Brown Gray

Ivorv

Red

White

Lt. Almond

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON	Black	SNAP1201ILBKNA	_	SNAP1203ILBKNA	· –
with Load OFF,	Ivory	SNAP1201ILINA	_	SNAP1203ILINA	_
Toggle, Blue LED.	Red	SNAP1201ILRNA	_	SNAP1203ILRNA	_
	White	SNAP1201ILWNA		SNAP1203ILWNA	_

20A, 120/277V AC

Toggle.

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON	Black	SNAP1221ILBKNA	\ -	SNAP1223ILBKNA	_
with Load OFF,	lvory	SNAP1221ILINA	_	SNAP1223ILINA	_
Toggle, Blue LED.	Red	SNAP1221ILRNA	_	SNAP1223ILRNA	_
	White	SNAP1221ILWNA	_	SNAP1223ILWNA	_

Pilot, Light ON with Load ON, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON	Black	SNAP1201PLBKNA	A —	_	_
with Load ON,	Ivory	SNAP1201PLINA		_	-
Toggle, Red LED.	Red	SNAP1201PLRNA	_	_	_
	White	SNAP1201PLWNA	_	_	_

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON	Black	SNAP1221PLBKN	<u> </u>	_	_
with Load ON,	lvory	SNAP1221PLINA	_	_	_
Toggle, Red LED.	Red	SNAP1221PLRNA	_	_	
	White	SNAP1221PLWNA	_	_	_

Jumper/Tester

Description	Catalog Number
Jumper/Tester for Single Pole Circuits, Black Toggle, Blue LED Indicator.	SNAPSWJUMP
Jumper/Tester for Three Way Circuits, Black Toggle, Blue LED Indicator.	SNAP3WJUMP

SNAPConnect® Switch Pigtailed Connector

Description	3 Wire Connector for Single Pole and Single Pole Illuminated	4 Wire Connector for Single Pole with Pilot Light	4 Wire Connector for 3 Way and 3 Way Illuminated
Clear right angle terminal, 6 inch leads, solid wire.	SNAPSP1NA	SNAPSPP1NA	SNAP3W1NA
Clear right angle terminal, 6 inch leads, stranded wire.	SNAPSP2NA	SNAPSPP2NA	SNAP3W2NA

Note: See page D-15 for accessories and page D-16 for wallplates.

See page D-22 for technical information.

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.



SNAPConnect® Specification Grade Style Line® Decorator Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAPConnect®	Black	SNAP2101BKNA	_	SNAP2103BKNA	_
Rocker.	Brown	SNAP2101BRNA	_	SNAP2103BRNA	_
	Gray	SNAP2101GYNA	_	SNAP2103GYNA	_
	lvory	SNAP2101INA	_	SNAP2103INA	_
	Lt. Almond	SNAP2101LANA	_	SNAP2103LANA	_
	Red	SNAP2101RNA	_	SNAP2103RNA	_
	White	SNAP2101WNA	_	SNAP2103WNA	_

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
SNAPConnect®	Black	SNAP2121BKNA	_	SNAP2123BKNA	_
Rocker.	Brown	SNAP2121BRNA	_	SNAP2123BRNA	
	Gray	SNAP2121GYNA	_	SNAP2123GYNA	
	lvory	SNAP2121INA	_	SNAP2123INA	
	Lt. Almond	SNAP2121LANA	_	SNAP2123LANA	_
	Red	SNAP2121RNA	_	SNAP2123RNA	_
	White	SNAP2121WNA	_	SNAP2123WNA	_

Illuminated, Light ON with Load OFF, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON	Black	SNAP2101ILBKNA	_	SNAP2103ILBKNA	\ –
with Load OFF,	lvory	SNAP2101ILINA		SNAP2103ILINA	_
Rocker, Blue LED.	Red	SNAP2101ILRNA	_	SNAP2103ILRNA	_
	White	SNAP2101ILWNA	_	SNAP2103ILWNA	_

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Illuminated, Light ON with Load OFF, Rocker, Blue LED.	Black Ivory Red White	SNAP2121ILBKNA SNAP2121ILINA SNAP2121ILRNA SNAP2121ILWNA	A – – –	SNAP2123ILBKN/ SNAP2123ILINA SNAP2123ILRNA SNAP2123ILWNA	_

Pilot, Light ON with Load ON, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON	Black	SNAP2101PLBKN	NA —	_	_
with Load ON,	lvory	SNAP2101PLINA	_	_	_
Rocker, Red LED.	Red	SNAP2101PLRNA	4 —	_	_
	White	SNAP2101PLWN	A —	_	_

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Pilot, Light ON	Black	SNAP2121PLBKNA	A —	_	_
with Load ON,	lvory	SNAP2121PLINA	_	_	_
Rocker, Red LED.	Red	SNAP2121PLRNA	_	_	
	White	SNAP2121PLWNA	-	_	_

Jumper/Tester

Description	Catalog Number
Jumper/Tester for Single Pole Circuits, Black Toggle, Blue LED Indicator.	SNAPSWJUMP
Jumper/Tester for Three Way Circuits, Black Toggle, Blue LED Indicator.	SNAP3WJUMP

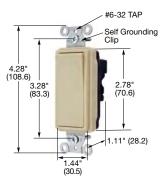
SNAPConnect® Switch Pigtailed Connector

Description	3 Wire Connector for Single Pole and Single Pole Illuminated	4 Wire Connector for Single Pole with Pilot Light	4 Wire Connector for 3 Way and 3 Way Illuminated
Clear right angle terminal, 6 inch leads, solid wire.	SNAPSP1NA	SNAPSPP1NA	SNAP3W1NA
Clear right angle terminal, 6 inch leads, stranded wire.	SNAPSP2NA	SNAPSPP2NA	SNAP3W2NA

Note: See page D-15 for accessories and page D-16 for wallplates.

See page D-22 for technical information.

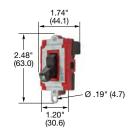
Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.



SNAP2101INA



SNAP2121ILINA



SNAPSWJUMP



HP Conversion Chart

208V	240V	277V AC
1.5HP	2HP	2HP
2HP	2HP	2HP
	1.5HP	

Switches

Features and Benefits

EdgeConnect™

Hubbell's innovative, patented EdgeConnect™ devices with screwless terminations are the fastest termination devices on the market. Strong steel springs continuously apply pressure to wires, ensuring a strong connection in the most abusive environments.

Designed with easy termination access in the back of the device with laser etched terminal markings for clear identification of correct wiring.

Funneled wire entry to direct conductor strands as well as molded in leverage points for easy unwiring.





The terminations are tight from day one and stay tight, gripping hard to keep the power flowing even through high vibration environments that can steadily work wires loose and cause unscheduled downtime.

Similar performance is also demonstrated in the face of related industrial threats such as temperature cycling and strand relaxation. No matter what the environment, with EdgeConnect™ devices you won't have to go back and retighten—just install once and you're all set.

Wires secured with Hubbell's EdgeConnect™ screwless termination devices not only stay tight, they actually dig in and get tighter in the face of the relentless vibration from industrial equipment which constantly threatens the integrity of traditional connections.

IT'S ABOUT PERFORMANCE



Speed

80% faster terminations



Durability

Built to withstand the industry's harshest environments



Performance

Terminations are 25-60% stronger when subjected to vibration



Patented

The only screwless termination in an industrial NEMA wiring device





EdgeConnect™ HBL® Extra Heavy Duty Industrial Series, 15A, 120/277V AC

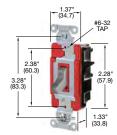
Description	Toggle Color	Single Pole	Three Way
Toggle, Spring Termination.	Black Brown Gray Ivory Light Almond Red White	HBL1201STBK HBL1201ST HBL1201STGY HBL1201STI HBL1201STLA HBL1201STR HBL1201STW	HBL1203STBK HBL1203ST HBL1203STGY HBL1203STI HBL1203STLA HBL1203STR HBL1203STW



HBL1201STBK

20A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Toggle, Spring Termination.	Black Brown Gray Ivory Light Almond Red White	HBL1221STBK HBL1221ST HBL1221STGY HBL1221STI HBL1221STLA HBL1221STR HBL1221STW	HBL1223STBK HBL1223ST HBL1223STGY HBL1223STI HBL1223STLA HBL1223STR HBL1223STW



HBL1223STGY

EdgeConnect™ HBL® Extra Heavy Duty Industrial Series, Illuminated Toggle Switches, Light ON with Load OFF, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Nylon toggle, Spring Termination.	Black Brown Gray Ivory Light Almond Red White Clear	HBL1201STILBK HBL1201STIL HBL1201STILGY HBL1201STILI HBL1201STILIA HBL1201STILR HBL1201STILW HBL1201STILW	HBL1203STILBK HBL1203STIL HBL1203STILGY HBL1203STILI HBL1203STILIA HBL1203STILR HBL1203STILW HBL1203STILC



20A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Nylon toggle, Spring Termination.	Black Brown Gray Ivory Light Almond Red White Clear	HBL1221STILBK HBL1221STIL HBL1221STILGY HBL1221STILI HBL1221STILLA HBL1221STILR HBL1221STILW HBL1221STILC	HBL1223STILBK HBL1223STIL HBL1223STILGY HBL1223STILI HBL1223STILLA HBL1223STILR HBL1223STILW HBL1223STILC



EdgeConnect™ Toggle Specification Grade Commercial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Toggle, Spring Termination.	Black	CSB115STBK	CSB315STBK
	Brown	CSB115ST	CSB315ST
	Gray	CSB115STGY	CSB315STGY
	lvory	CSB115STI	CSB315STI
	Light Almond	CSB115STLA	CSB315STLA
	Red	CSB115STR	CSB315STR
	White	CSB115STW	CSB315STW



CSB115STLA

Switches



CSB120STW

20A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Toggle, Spring Termination.	Black Brown Gray Ivory Light Almond Red White	CSB120STBK CSB120ST CSB120STGY CSB120STI CSB120STLA CSB120STR CSB120STW	CSB320STBK CSB320ST CSB320STGY CSB320STI CSB320STLA CSB320STR CSB320STW



DS115STLA

EdgeConnect™ Style Line® Decorator Specification Grade Commercial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Nylon toggle, Spring Termination.	Black Brown Gray Ivory Light Almond Red White	DS115STBK DS115ST DS115STGY DS115STI DS115STLA DS115STR DS115STW	DS315STBK DS315ST DS315STGY DS315STI DS315STLA DS315STR DS315STW



20A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Rocker, Spring Termination.	Black Brown Gray Ivory Light Almond Red White	DS120STBK DS120ST DS120STGY DS120STI DS120STLA DS120STR DS120STW	DS320STBK DS320ST DS320STGY DS320STI DS320STLA DS320STR DS320STW



EdgeConnect™ Style Line® Decorator Specification Grade Commercial Series, Illuminated, Light ON with Load OFF 20A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Rocker, with Blue LED, Spring Termination.	Black Brown Gray Ivory Light Almond Red White	DS120STILBK DS120STIL DS120STILGY DS120STILI DS120STILLA DS120STILR DS120STILW	DS320STILBK DS320STIL DS320STILGY DS320STILI DS320STILIA DS320STILR DS320STILR

Specification Grade Commercial Series

Toggle, rocker and specialty switches - Hubbell designs and manufactures these switches in a wide variety of styles and colors.

- 15 and 20 Amp 120/277V AC
- Single Pole, Double Pole, 3-Way and 4-Way
- Illuminated and Pilot with LED
- Night Light
- Style Line[®] Decorator
- Low voltage DC offering





Housing Design

- Engineered thermoplastic housing is impact-resistant for heavy-duty commercial environments
- Stainless steel automatic grounding staple assures grounding continuity between mounting strap and metal wall box



Wiring Design

- Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing
- Large brass binding head screws with deep slots secure wire connections
- Strip gauge for accurate wiring



Bridge Design

- One-piece bridge with integral grounding terminal with #8 brass screw allows compliance to NEC®
- Steel zinc plated mounting strap provides protection against corrosion
- Thread cleaning captive mounting screw



Toggle

- Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments
- Elastomer rocker assures quiet operation and precise timing
- Permanently lubricated assembly provides long life and trouble free operation



Identification

 Prominent amperage marking on mounting strap allows easy identification of rating



Contacts

- Copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise
- Silver alloy contacts reduce contact erosion and prevent welding, providing long life

NEC® is a registered trademark of the National Fire Protection Association (NFPA).





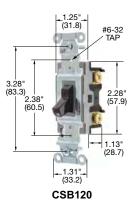


Toggle Specification Grade Commercial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black Brown Gray	CSB115BK CSB115 CSB115GY	CSB215BK CSB215 CSB215GY CSB215I	CSB315BK CSB315 CSB315GY	CSB415BK CSB415 CSB415GY
	Ivory Light Almond White	CSB115I CSB115LA CSB115W	CSB215I CSB215LA CSB215W	CSB315I CSB315LA CSB315W	CSB415I CSB415LA CSB415W

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black Brown Gray Ivory Light Almond Red White	CSB120BK CSB120 CSB120GY CSB120I CSB120LA CSB120R CSB120W	CSB220BK CSB220 CSB220GY CSB220I CSB220LA CSB220R CSB220W	CSB320BK CSB320 CSB320GY CSB320I CSB320LA CSB320R CSB320W	CSB420BK CSB420 CSB420GY CSB420I CSB420LA CSB420R CSB420W

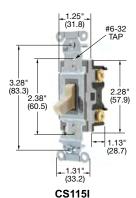


Toggle Specification Grade Commercial Series, 15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle,	Black	CS115BK	_	CS315BK	_
side wired only.	Brown	CS115	_	CS315	_
	Gray	CS115GY	_	CS315GY	_
	lvory	CS115I	_	CS315I	_
	Light Almond	CS115LA	_	CS315LA	_
	White	CS115W	_	CS315W	_

20A. 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle,	Black	CS120BK	_	CS320BK	_
side wired only.	Brown	CS120	_	CS320	_
	Gray	CS120GY	_	CS320GY	_
	lvory	CS120I	_	CS320I	_
	Light Almond	CS120LA	_	CS320LA	_
	White	CS120W	_	CS320W	_



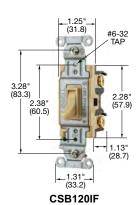
Framed Toggle Specification Grade Commercial Series, 20A, 120V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle,	lvory	CSB120IF	_	CSB320IF	_
back and	Light Almond	CSB120LAF	_	CSB320LAF	_
side wired.	White	CSB120WF	_	CSB320WF	_

Note: See page D-13 for pre-wired/leaded devices.

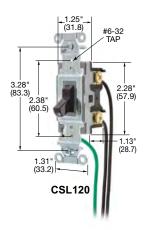
See page D-15 for accessories and page D-16 for wallplates.

See page D-22 for technical information.



HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP



Pre-Wired/Leaded Toggle Spec. Grade Commercial Series, 15A, 120/277V AC - 8" #12 AWG THHN





Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Nylon, Pre-wired leads.	Black Brown Gray Ivory Light Almond White	CSL115BK CSL115 CSL115GY CSL115I CSL115LA CSL115W	CSL215BK CSL215 CSL215GY CSL215I CSL215LA CSL215W	CSL315BK CSL315 CSL315GY CSL315I CSL315LA CSL315W	CSL415BK CSL415 CSL415GY CSL415I CSL415LA CSL415W

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, Nylon, Pre-wired leads.	Black Brown Gray Ivory Light Almond Red White	CSL120BK CSL120 CSL120GY CSL120I CSL120LA CSL120R CSL120W	CSL220BK CSL220 CSL220GY CSL220I CSL220LA CSL220R CSL220W	CSL320BK CSL320 CSL320GY CSL320I CSL320LA CSL320R CSL320W	CSL420BK CSL420 CSL420GY CSL420I CSL420LA CSL420R CSL420W

Pre-Wired/Leaded Decorator Spec. Grade Commercial Series, 15A. 120/277V AC - 8" #12 AWG THHN





		<i>-</i> #6-3	2 TAP
1	0, 0	Self (Clip	Grounding
3.81" (96.7) 3.28" (83.3)	-1.48" + (37.6)		2.78" (70.6)
		11	
DS	L315W	11	

15A, 120/2114 AO - O #12 AWG ITHIN								
Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way			
Rocker,	Black	DSL115BK	_	DSL315BK	_			
Polycarbonate,	Brown	DSL115	_	DSL315				
Pre-wired leads.	Gray	DSL115GY	_	DSL315GY				
	lvory	DSL115I	_	DSL315I				
	Light Almond	DSL115LA	_	DSL315LA				
	White	DSL115W	_	DSL315W	_			

20A, 120/277V AC

Description

Rocker,

back and

side wired.

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker,	Black	DSL120BK	DSL220BK	DSL320BK	DSL420BK
Polycarbonate,	Brown	DSL120	DSL220	DSL320	DSL420
Pre-wired leads.	Gray	DSL120GY	DSL220GY	DSL320GY	DSL420GY
	Ivory	DSL120I	DSL220I	DSL320I	DSL420I
	Light Almond	DSL120LA	DSL220LA	DSL320LA	DSL420LA
	White	DSL120W	DSL220W	DSL320W	DSL420W

Note: See page D-15 for accessories and page D-16 for wallplates. See page D-22 for technical information.

Rocker Color

Light Almond

Black

Brown

Gray

Ivory

White

White

Style Line® Decorator Specification Grade Commercial Series, 15A, 120/277V AC

Single Pole

DS115BK

DS115GY

DS115LA

DS115W

DS120W

DS115

DS115I



Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker,	Black	DS120BK	DS220BK	DS320BK	DS420BK
back and	Brown	DS120	DS220B	DS320	DS420
side wired.	Gray	DS120GY	DS220GY	DS320GY	DS420GY
	lvory	DS120I	DS220I	DS320I	DS420I
	Light Almond	DS120LA	DS220LA	DS320LA	DS420LA
	Red	DS120R	DS220R	DS320R	DS420R

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

DS420W

Four Way

DS220W

Double Pole

Three Way

DS315BK

DS315GY

DS315LA

DS315W

DS320W

DS315

DS315I



Rocker Weatherproof Series

Hubbell designs and manufactures these weatherproof switches for wet and damp applications.

- 20 Amp 120/277V AC
- Single Pole / 3-Way Capable
- NEMA TYPE 3R



Style Line® Decorator Weatherproof Series, 20A, 120/277V AC

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Description	Color	Single Pole / Three Way
Rocker, Weatherproof,	Gray	RSD120WPGY
self-grounding,	Light Almond	RSD120WPLA
back and side wired.	White	RSD120WPW

Style Line® Decorator Specification Grade Commercial Series, Illuminated, Light ON with Load OFF 20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker,	Black	DS120ILBK	_	DS320ILBK	_
with Blue LED,	lvory	DS120IL	_	DS320IL	_
back and side wired.	Light Almond	DS120ILLA	_	_	_
	Red	DS120ILR	_	_	_
	White	DS120ILW	_	DS320ILW	_

4.87" (123.7)

RSD120WPGY

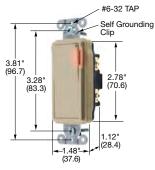
Style Line® Decorator Specification Grade Commercial Series, Pilot, Light ON with Load ON 20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way	
Rocker,	Black	DS120PLBK	_	_	_	
with Red LED,	Ivory	DS120PLI	_	_	_	
back and side wired.	White	DS120PLW	_	_	_	

Note: See page D-12 for pre-wired/leaded devices.

See page D-15 for accessories and page D-16 for wallplates.

See page D-22 for technical information.



DS120PLI

Style Line $^{\rm @}$ Decorator Spec. Grade Commercial Series with Nightlight, 20A, 120V AC

Rocker Color	Single Pole	Daubla Dala		
	Jg.J. 1 010	Double Pole	Three Way	Four Way
Black	DS120NLBK	_	_	_
Brown	DS120NLBR	_	_	_
Gray	DS120NLGY	_	_	_
lvory	DS120NLIV	_	_	_
Light Almond	DS120NLLA	_	_	_
White	DS120NLWH			_
	Brown Gray Ivory Light Almond	Brown DS120NLBR Gray DS120NLGY Ivory DS120NLIV Light Almond DS120NLLA	Brown DS120NLBR — Gray DS120NLGY — Ivory DS120NLIV — Light Almond DS120NLLA —	Brown D\$120NLBR — — Gray D\$120NLGY — — Ivory D\$120NLIV — — Light Almond D\$120NLLA — —

Note: Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.

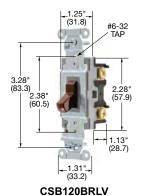


DS120NLWH

HP Conversion Chart

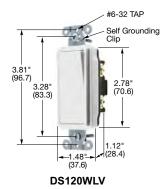
	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Switches



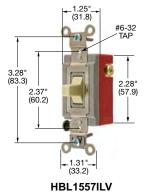
Maintained Contact Toggle, Specification Grade, 5A, 24V DC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle,	Black	CSB120BKLV	_	CSB320BKLV	_
back and	Brown	CSB120BRLV	_	CSB320BRLV	_
side wired.	Gray	CSB120GYLV	_	CSB320GYLV	_
	lvory	CSB120ILV		CSB320ILV	_
	Light Almond	CSB120LALV		CSB320LALV	_
	Red	CSB120RLV		CSB320RLV	_
	White	CSB120WHLV	_	CSB320WHLV	_



Maintained Contact Decorator, Specification Grade, 5A, 24V DC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon decorator,	Black	DS120BKLV	_	DS320BKLV	_
back and	Brown	DS120LV	_	DS320LV	_
side wired.	Gray	DS120GYLV	_	DS320GYLV	_
	lvory	DS120ILV	_	DS320ILV	_
	Light Almond	DS120LALV	_	DS320LALV	_
	Red	DS120RLV	_	DS320RLV	_
	White	DS120WLV	_	DS320WLV	_



Momentary Contact, Specification Grade, Single Pole, Double Throw, Center OFF 5A, 24V DC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle,	Brown	HBL1557LV	_	_	_
back and	Gray	HBL1557GYLV	_	_	_
side wired.	Ivory	HBL1557ILV	_	_	_
	Red	HBL1557RLV	_	_	_
	White	HBL1557WLV	_	_	_

Note: See page D-12 for pre-wired/leaded devices.

See page D-15 for accessories and page D-16 for wallplates. See page D-22 for technical information.

HP Conversion Chart								
	120V	208V	240V	277V AC				
15A	.5HP	1.5HP	2HP	2HP				
20A	1HP	Dim ⊵h# ons	ir 2lHP he	s(m2mH)P				

Accessories

Pilot Light, 120/277V AC







(1)

Description	Catalog Number
Red neon pilot light, back and side wired, fits standard switch wallplate.	HBL1220RJ

Brass Locking Cover Attachment for Switches Available in Master Keying and Straight Keying Systems

Description	Catalog Number
Straight keying (all locks alike). Appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike.	HBL96061*
Same as above except in dull chrome finish to match stainless steel plates.	HBL96061DCH*
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	HBL96062*



HBL1220RJ



HBL96061 Shown with cover and switch (sold separately)

SWITCHOUT® Lockout Device

Description	Catalog Number
Yellow, nylon toggle switch lockout device (Two devices per package).	HSLDPK2*

Weatherproof Wallplates

Weatherproof Waliplates	
Description	Catalog Number
Clear bubble wallplate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes.	HBL1795
Cast aluminum lift cover with fiber shield. For standard toggle and PresSwitch® switches. Fits only FS/FD boxes.	HBL7420



HSLDPK2

Weatherproof Wallplates for PresSwitch® Switches

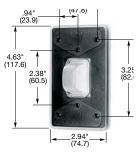
Description	Catalog Number
Gray neoprene PresSwitch® wallplate. Fits FS/FD and standard boxes.	HBL1750
Same as above except yellow.	HBL17CM50
Gray neoprene PresSwitch® wallplate with 125V red pilot light. Fits only FS/FD boxes.	HBL1785
Same as above except yellow.	HBL17CM85



Each locking wallplate is supplied with two keys.

See section BB for additional information on safety lockout devices.

See section O for additional wallplates.



HBL1795







Dimensions in Inches (mm)





Accessories









Toggle Switch Non-metallic Wallplates

	Color	1-Gang		2-Gang	
Description		Standard	Snap-On	Standard	Snap-On
Thermoplastic, standard size, smooth satin finish.	Gray Ivory Light Almond White	P1GY P1I P1LA P1W	L NPS1I NPS1LA NPS1W	P2GY P2I P2LA P2W	L NPS2I NPS2LA NPS2W







Toggle Switch Metal Wallplates

Description	Color	1-Gang	2-Gang	3-Gang	
Metal,	Aluminum	SA1	SA2	①	
standard size,	Brass	SB1	SB2	SBP3*	
smooth lacquer finish.	Stainless Steel, 302/304	SS1	SS2	SS3	
	Stainless Steel, 430	SS1L	SS2L	SS3L	









Style Line® Decorator Switch Non-metallic Wallplates

	Color	1-Gang		2-Gang	
Description		Standard	Snap-On	Standard	Snap-On
Thermoplastic, standard size, smooth satin finish.	Gray Ivory Light Almond	P26GY P26I P26LA	_ NPS26I NPS26LA	P262GY P262I P262LA	_ NPS262I NPS262LA
	White	P26W	NPS26W	P262W	NPS262W







Style Line® Decorator Switch Metal Wallplates

Description	Color	1-Gang	2-Gang	3-Gang	
Metal,	Aluminum	①	0	①	
standard size,	Brass	SB26	SB262	①	
smooth lacquer finish.	Stainless Steel, 302/304	SS26	SS262	SS263	
	Stainless Steel, 430	SS26L	SS262L	_	

Note: See section O for additional wallplates.

*Brass plated.

 $\hbox{$\mathbb{Q}$Available as a custom metal wallplate. See wallplate section for additional information.}$

Switches

Certification Chart

UL, CSA, and Fed. Spec. Listing Data

Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified	Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified	
1201	Yes	Yes	Yes	HBL1224	Yes	Yes	Yes	
1203	Yes	Yes	Yes	HBL1221L	Yes	Yes	Yes	
1221	Yes	Yes	Yes	HBL1222L	Yes	Yes	Yes	
1222	Yes	Yes	Yes	HBL1223L	Yes	Yes	Yes	
1223	Yes	Yes	Yes	HBL1224L	Yes	Yes	Yes	
1224	Yes	Yes	Yes	HBL1221IL	Yes	Yes	Yes	
1221PW	Yes	Yes	Yes	HBL1223IL	Yes	Yes	Yes	
1222PW	Yes	Yes	Yes	HBL1221PL	Yes	Yes	Yes	
1223PW	Yes	Yes	Yes	HBL1222PL	Yes	Yes	Yes	
1224PW	Yes	Yes	Yes	HBL1223PL	Yes	Yes	Yes	
CS115	Yes	Yes	Yes	HBL1221RKL	No	Yes	Yes	
CS315	Yes	Yes	Yes	HBL1222RKL	No	Yes	Yes	
CS120	Yes	Yes	Yes	HBL1223RKL	No	Yes	Yes	
CS320	Yes	Yes	Yes	HBL1224RKL	No	Yes	Yes	
CSB115	Yes	Yes	Yes	HBL1259I	No	No	No	
CSB215	Yes	Yes	Yes	HBL1281	No	Yes	Yes	
CSB315	Yes	Yes	Yes	HBL1282	No	Yes	Yes	
CSB415	Yes	Yes	Yes	HBL1283	No	No	No	
CSB120	Yes	Yes	Yes	HBL1284	No	No	No	
CSB220	Yes	Yes	Yes	HBL1287I	No	Yes	Yes	
CSB320	Yes	Yes	Yes	HBL1288I	No	No	No	
CSB420	Yes	Yes	Yes	HBL1281MO	No	No	No	
CSL115	Yes	Yes	Yes	HBL1281MC	No	No	No	
CSL215	Yes	Yes	Yes	HBL1297	No	Yes	Yes	
CSL315	Yes	Yes	Yes	HBL1298	No	No	No	
CSL415	Yes	Yes	Yes	HBL1381	No	Yes	Yes	
CSL120	Yes	Yes	Yes	HBL1382	No	Yes	Yes	
CSL220	Yes	Yes	Yes	HBL1385	No	Yes	Yes	
CSL320	Yes	Yes	Yes	HBL1386	No	Yes	Yes	
CSL420	Yes	Yes	Yes	HBL1386L	No	Yes	Yes	
DS115	No	Yes	Yes	HBL1388	No	Yes	Yes	
DS315	No	Yes	Yes	HBL1556	No	Yes	Yes	
DS120	No	Yes	Yes	HBL1557	No	Yes	Yes	
DS220	No	Yes	Yes	HBL1556L	No	Yes	Yes	
DS320	No	Yes	Yes	HBL1557L	No	Yes	Yes	
DS420	No	Yes	Yes	HBL3031	Yes	Yes	Yes	
DS120IL	No	Yes	Yes	HBL3032	Yes	Yes	Yes	
DS320IL	No	Yes	Yes	HBL3033	Yes	Yes	Yes	
DS120PL	No	Yes	Yes	HBL3031PL	Yes	Yes	Yes	
DSL115	No	Yes	Yes	HBL3031PL	Yes	Yes	Yes	
DSL215	No	Yes	Yes	HBL3032PL	Yes	Yes	Yes	
DSL315	No	Yes	Yes	SNAP1201	No	Yes	Yes	
DSL415	No	Yes	Yes	SNAP1201IL	No	Yes	Yes	
DSL120	No No	Yes	Yes	SNAP1201PL	No No	Yes	Yes Yes	
DSL220	No No	Yes	Yes	SNAP1203	No No	Yes		
DSL320	No	Yes	Yes	SNAP1203IL	No	Yes	Yes	
DSL420	No	Yes	Yes	SNAP1221	No	Yes	Yes	
HBL1201	Yes	Yes	Yes	SNAP1221IL	No	Yes	Yes	
HBL1202	Yes	Yes	Yes	SNAP1221PL	No	Yes	Yes	
HBL1203	Yes	Yes	Yes	SNAP1223	No	Yes	Yes	
HBL1204	Yes	Yes	Yes	SNAP1223	No	Yes	Yes	
HBL1201IL	Yes	Yes	Yes	SNAP1223IL	No	Yes	Yes	
HBL1203IL	Yes	Yes	Yes	SNAP2101	No	Yes	Yes	
HBL1201PL	Yes	Yes	Yes	SNAP2101IL	No	Yes	Yes	
HBL1203PL	Yes	Yes	Yes	SNAP2101PL	No	Yes	Yes	
HBL1201L	Yes	Yes	Yes	SNAP2103	No	Yes	Yes	
HBL1202L	Yes	Yes	Yes	SNAP2103IL	No	Yes	Yes	
	Yes	Yes	Yes	SNAP2121	No	Yes	Yes	
HBL1203L			Yes	SNAP2121IL	No	Yes	Yes	
HBL1203L HBL1204L	Yes	Yes	168		INO	100	103	
HBL1204L			Yes	SNAP2121PL	No		Yes	
	Yes Yes Yes	Yes Yes Yes				Yes Yes		

Note: Catalog numbers above represent all colors and variations.

Slide and Rotary Control Dimmers



AS103 1000W Dimmer Fits Single-Gang Wall Boxes



AS203 2000W Dimmer Fits Single-Gang Wall Boxes

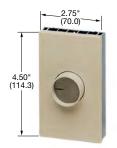
Architectural Grade, Incandescent Preset Slide Control Dimmers

Description	Color	Rating	Catalog Number
Single pole/three way - preset.	White	1000W, 120V AC, 60Hz	AS103
Single pole/three way - preset.	White	2000W, 120V AC, 60Hz	AS203

Accessories

Description	Color	Catalog Number
Small wallplate kit for 600W and 1000W models.	lvory	AS1I
Includes non-metallic trimplate and slide.	White	AS1W
Large wallplate kit for 1500W and 2000W models.	lvory	AS2I
Includes non-metallic trimplate and slide.	White	AS2W

Note: The dimmers listed above can be wired for single pole or three way applications. See page D-19 for ganging and derating.



AR101 1000W Dimmer Fits Single-Gang Wall Boxes



AR201 2000W Dimmer Fits Single-Gang Wall Boxes

Architectural Grade, Incandescent Rotary Control Dimmers

Description	Color	Rating	Catalog Number
Single pole - push ON/OFF.	Beige	1000W, 120V AC, 60Hz	AR101
Three way - push ON/OFF.	Beige		AR103
Single pole, rotary ON/OFF.	Beige	2000W, 120V AC, 60Hz	AR201

Accessories

Description	Color	Catalog Number
Small wallplate kit for 600W and 1000W models.	Beige	AR1BE AR1W
Includes non-metallic trimplate and knob.	White	
Large wallplate kit for 1500W and 2000W models.	Beige	AR2BE
Includes non-metallic trimplate and knob.	White	AR2W

Note: See page D-19 for ganging and derating.

Dimmer Ganging and Derating

Architectural Grade Slide and Rotary Series Number of Switchboxes Required with Dimmer Side Sections Intact

		Number of Small Controls (600W and 1000W)						
		0	1	2	3	4	5	6
Number of	0	0	1	1+1	4	1+4	7	1+7
Large Controls (1500W and 2000W)	1	1	3	5	6	8	9	11
(1500W and 2000W)	2	4	6	7	9	10	12	13
	3	6	8	10	11	13	14	16
	4	9	11	12	14	15	17	18
				Number	of Gangs	Required		

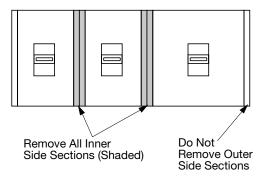
Note: When ganging an even number of small controls with no side sections removed (plus numbers in chart), use gangable switchboxes with tapped ears as shown below. Do not use plaster rings or gangbox covers. Space an additional switchbox ¾ in. apart from the other switchbox(es). A ¾ in. close nipple is recommended as a spacer between the switchboxes.

Example of 4-Gang Installation Three small dimmers in this box. 4-Gang Gangable Switchbox 3/4 Space (Use Close Nipple)

Number of Switchboxes Required with Side Sections Removed

		Number of Small Controls (600W and 1000W)						
		0	1	2	3	4	5	6
Number of	0	0	1	2	3	4	5	6
Large Controls (1500W and 2000W)	1	1	3	4	5	6	7	8
(1500VV and 2000VV)	2	3	5	6	7	8	9	10
	3	5	7	8	9	10	11	12
	4	7	9	10	11	12	13	14
		Number of Gangs Required						

Note: When removing side sections, remove only inner side sections. Do not remove side sections on outer ends of gang. The same installation rules apply to rotary dimmers (not shown).



Derating Chart

No Side Sections Removed	One Side Section Removed	Both Side Sections Removed
600W	600W	500W
1000W	900W	700W
1500W	1250W	1000W
2000W	1800W	1500W

Note: When ganging any combination of small and large controls, place a small control on one extreme end of the gang, and a large control at the other end of the gang. When ganging with side sections intact, use offset mounting holes. When ganging with side sections removed, use center mounting holes. Allow a ½ in. gap (space) between controls for ease in attaching the faceplate.

Specification Grade Slide and Rotary Series Switchboxes Required: Side Sections Removed

Derating Chart

1 Dimmer In Wall Box	2 Dimmers In Wall Box	3 Or More Dimmers In Wall Box	
600W	500W	400W	
1000W	800W	650W	
5A fan speed	4A fan speed	3A fan speed	



Heavy Duty Panel Mount

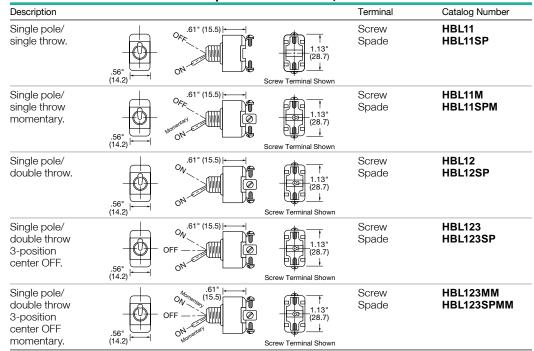


HBL11



HBL123SP

10A 250V AC 20A 125V AC Horsepower Rated 3/4 HP, 125-250V AC



Note: All threaded stems 15/32 in.-32 thread.

10A 240V AC 15A 120V AC

Description		Terminal	Catalog Number
Single pole/ single throw.	0.62" (15.7) 0.48" (12.2) 1.78" 0.31" (7.9) 0.37" (9.4)	Screw	HBL118
	0.56" (14.2)		

Note: 15/32 in.-32 thread.

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

Description		Terminal	Catalog Number
Single pole/ single throw.	0FF (142) 15/32-32 THRD (25" Keyway .080 x .035 (6.4) (152.4) (152.4) (152.4)	#18 Std. AWG Copper Wire Leads 105° C Black.	HBL11WL

Note: 15/32 in.-32 thread, keyway .080 x .035.

Specifications

Impact Resistant Thermoplastic Body.

Fine Silver Contacts.

Knurled Nut, Hex Nut And Strap All Nickel Plated.

Keyed Brass Bushing Nickel Plated.

Brass Toggle Nickel Plated.

Choice of Terminal Design: .250 in. (6.3) Male Tab Spade Type or 6/32 Screw Type.

UL Recognized.

Dimensions in Inches (mm)



Heavy Duty Panel Mount

10A 250V AC 20A 125V AC Horsepower Rated 11/2 HP, 125-250V AC

Description		Terminal	Catalog Number
Double pole/ single throw.	.47" .80" (20.3) .1.30" (33.0) .75" (19.1) .50" (20.3) .30" (30.0) .30" (3	Screw Spade	HBL21 HBL21SP
Double pole/ single throw.	.75" (19.1) Screw Terminal Shown	Screw Spade	HBL22 HBL22SP
Double pole/ double throw 3-position center OFF.	Oper 1.30" (20.3) OFF (19.1) Screw Terminal Shown	Screw Spade	HBL223 HBL223SP
Double pole/ double throw 3-position center OFF momentary.	OFF (33.0) Screw Terminal Shown	Screw Spade	HBL223MM HBL223SPMM
Silicone rubber boot.		Screw Spade	SSB1



See AA-35 for additional information on 12V DC tapered handle switches.



HBL21



HBL223



SSB

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

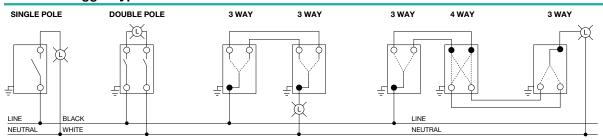
Description		Terminal	Catalog Number
Single pole/ single throw.	0.41" (10.4) Black Nylon Plunger 1.58" (10.5) (10.4) (10	#18 Std. AWG Copper Wire Leads 105° C Black.	HBL11PBWL

Note: 15 /₃₂ in.-32 thread, keyway .080 x .035.



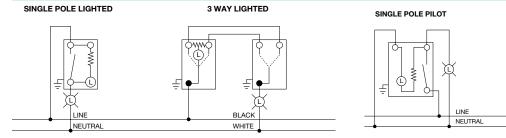
HBL11PBWL

Standard Toggle Type Switches



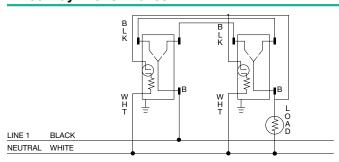
Illuminated Switches (light ON with load OFF)

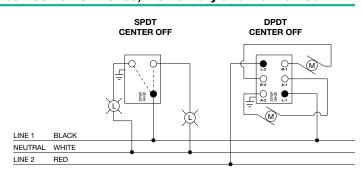
Pilot Light Switches (light ON with load ON)



Three Way Pilot Switches

Three Position Switches, Momentary and Maintained





DOUBLE POLE PILOT

Specifications - HBL® Extra Heavy Duty Industrial Grade Switches (SP, DP, 3-Way, 4-Way)

Listings	Component	Material
UL Listed	Base	Thermoset, Color Coded by Amperage
CSA Certified	Тор	Thermoset, Gray
Verified to Fed. Spec. W-S-896,	Toggle	Nylon
SP, DP, 3-way and 4-way	Terminals	Brass
•	Terminal Screws	Brass
	Mounting Bridge	Nickel Plated Steel
	Contacts	Silver Alloy
	Moveable Contact Arm	Brass
	Rocker	Elastomer
	Ground Terminal	Nickel-Plated Steel
	Ground Screw	Brass
	Automatic Grounding Clip	Stainless Steel

Performance Data

Electrical	
Dielectric Voltage Max. Working Voltage Overload Temperature Rise Max. Continuous Current Endurance	Withstands 1500V AC minimum for 1 minute 277V AC Minimum 4.8 times rated current for 100 cycles 30°C maximum at rated current 15A, 20A, 30A 50,000 cycles min., tungsten filament lamp load Fed. Spec. #WS896, SP, DP, 3-way and 4-way
Mechanical Terminal Accommodations	#14 AWG min #10 AWG max, solid and stranded copper wire only
Environmental	#14 AWG Min #10 AWG Max. solid and stranded copper wire only
Flammability Operating Temperature	UL 94V-2 Max. continuous: 75°C; Min. continuous: -40°C without impact

SECTION E

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Energy Consumption and Standards Compliance

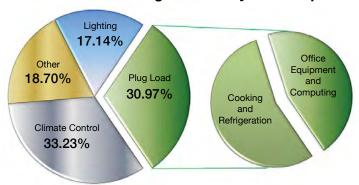
Electricity consumption in commercial buildings has changed dramatically over the past decade. Energy efficient lighting sources like LEDs have reduced their contribution on a commercial building's total electricity consumption from 40% to approximately 17%. Today plug and process loads consume up to 30% of a typical commercial building's energy costs. Energy Efficiency Codes & Standards are becoming more stringent in an effort to reduce energy consumption in all areas of commercial buildings.

Hubbell Load:Logic[®] series of control devices offers a broad range of space, centralized and distributed controls that meet the latest codes and standards and qualify for LEED certification points. Hubbell devices feature ease of installation, setup, operation and commissioning process. The result is an "install-and-forget" experience.

Additional features include:

- Occupancy or time-based controls
- Manual ON mode requires user operation to turn lights ON but automatically turns lights OFF when a space is unoccupied after a specified period of time
- Daylight Harvesting sensors for dimming or to keep the lights OFF when natural light is sensed
- Automatic receptacle control

Commercial Buildings Electricity Consumption



Electrical bill impact for a typical office building



Adaptive Technology Provides Better Control

Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

- Lower energy costs and utility bills
- No need to manually adjust for occupancy changes

Backed by Hubbell Service and Support

Hubbell Energy Efficiency Solutions focuses on environmental stewardship, innovative products and efficient building operations. Hubbell also offers superior service and support with:

- Detailed online e-learning courses
- Product selection guide to assist in choosing the right technology
- Online specification assistance
- Highly knowledgeable network of trained professionals and staff
- BIM models and 3D coverage patterns



The Right Technology for the Right Application

Passive Infrared (PIR)



Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides the coverage area into zones. Movement across zones is interpreted as occupancy.

Ultrasonic (US)



Senses occupancy by emitting an ultrasonic high-frequency sound wave (32 kHz to 45 kHz), sensing the frequency of the reflected signal, and then determining occupancy based on a change in frequency. While this has a limited range, it detects small motions and does not require a clear line of sight.

Dual Technology



Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.







Features and Benefits

Adaptive Dual (Ultrasonic and Passive Infrared)

Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The optimum choice when performance is paramount.

Standard Passive Infrared

Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides a coverage area into zones. Movement across zones is interpreted as occupancy.

Excellent for small room control.



Adaptive Series



Housing Design

- Steel mounting strap
- High impact molded plastics
- Color matching tamper resistant lens

WS Series



Housing Design

- Plated steel mounting strap
- High Impact molded plastics
- Recessed tamper resistant lens
- Night light option



Coverage and Electrical Ratings

- Dual technology 1,000 sq. ft. Ultrasonic only - 400 sq. ft.
- 120/277V AC 50/60 Hz; no neutral required; 24V DC, 33mA
- Zero-arc point switching
- Compatible with CFL/LED and motor loads



Coverage and Electrical Ratings

- High density PIR 1,200 sq. ft.
- WS1000 series 120V AC 60Hz WS2000 series - 120/277V AC 60Hz; multi-way capable
- No neutral required
- Compatible with CFL/LED and motor loads



Operation

- Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings



Operation

- WS2000 series Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings



Adaptive Technology Wall Switch Sensors

800W Incandescent/Electronic Ballast, 5A LED, 1/6 HP at 120V AC, 1800W Electronic Ballast, 5A LED , 1/6 HP at 277V AC.

Dual (Ultrasonic and Passive Infrared)

•					
		Single Circuit		Dual Circuit	
Description	Color	1 button	Auto control with no button	2 buttons	Auto control with no button
Selectable Manual/ Auto ON	lvory Light Almond White	AD2000I1 AD2000LA1 AD2000W1	AD2000I1N AD2000LA1N AD2000W1N	AD2000122 AD2000LA22 AD2000W22	AD2000122 AD2000LA22 AD2000W22
Manual ON (Vacancy)	lvory Light Almond White	AD2001I1 AD2001LA1 AD2001W1	=	AD2001I22 AS2001LA22 AD2001W22	_ _ _
Selectable Manual/Auto ON with	lvory White	ADN2000I1 ADN2000W1		ADN200012 ADN2000W2	-



Passive Infrared

		Single Circuit	Dual Circuit
Description	Color	1 button	2 buttons
Selectable Manual/ Auto ON.	Ivory Light Almond White	AP2000l1 AP2000LA1 AP2000W1	AP2000I22 AP2000LA22 AP2000W22
Selectable Manual/ Auto ON with neutral wire	lvory White	APN2000l1 APN2000W1	- -
Manual ON (Vacancy)	Ivory Light Almond White	AP2001l1 AP2001LA1 AP2001W1	AP2001l22 AP2001LA22 AP2001W22



AP2000W22 AP2001W22





AD2240W1 AD2241W1

Dual (Ultrasonic and Passive Infrared)

24V DC, 33mA. Requires a CU300xx series control unit.

		Single Circuit	Dual Circuit
Description	Color	1 button	2 buttons
Selectable Manual/ Auto ON.	lvory Light Almond White	AD2240l1 AD2240LA1 AD2240W1	AD2240I2 AD2240LA2 AD2240W2
Manual ON (Vacancy). Ivory Light Almond White		AD2241I1 AD2241LA1 AD2241W1	AD2241I2 AD2241LA2 AD2241W2

Note: Wallplate sold separately. See page E-23 for technical specifications, coverage patterns and wiring schematics.







WS1020NW WS1021NW

Passive Infrared

Manual time delay adjustment.

Description	Color	Standard	with Nightlight	with Neutral	with Nightlight and Neutral
Manual adjusting; selectable manual/auto ON operation; dual-voltage 120/277V AC; multi-way capable.	Gray	WS2000GY	WS2000NGY	—	—
	Ivory	WS2000I	WS2000NI	WS2004I	WS2004NI
	Light Almond	WS2000LA	WS2000NLA	—	—
	White	WS2000W	WS2000NW	WS2004W	WS2004NW
Manual adjusting; selectable manual/auto ON operation; 120V AC only.	lvory	WS1000I	WS1000NI	_	_
	Light Almond	WS1000LA	WS1000NLA	_	_
	White	WS1000W	WS1000NW	_	_
Manual adjusting;	lvory	WS1001I	WS1001NI		_
manual ON operation;	Light Almond	WS1001LA	WS1001NLA		_
120V AC only.	White	WS1001W	WS1001NW		_
Manual adjusting;	Gray	WS1020GY	WS1020NGY	—	—
auto ON operation;	Ivory	WS1020I	WS1020NI	WS1024I	WS1024NI
dual circuit;	Light Almond	WS1020LA	WS1020NLA	WS1024LA	WS1024NLA
120V AC only.	White	WS1020W	WS1020NW	WS1024W	WS1024NW
Manual adjusting;	Gray	WS1021GY	WS1021NGY	—	—
manual ON operation;	Ivory	WS1021I	WS1021NI	WS1025I	WS1025NI
dual circuit;	Light Almond	WS1021LA	WS1021NLA	WS1025LA	WS1025NLA
120V AC only.	White	WS1021W	WS1021NW	WS1025W	WS1025NW

Note: See page E-24 for technical specifications, coverage patterns and wiring schematics.



DT2000W



WSTA120



DT5030W

Digital Timer

Description	Color	Catalog Number
DIP switch enable preset intervals for 2 and 4 hours. User adjustable up to	White	DT2000W
24 hours. 3-way capable, 960W @ 120V AC and 1200W @ 277V AC.		

Programmable Timer

Description	Color	Catalog Number
Wall Switch Programmable Timer with Astronomical Clock, Features 3 Interchangeable cover colors: Gray, Light Almond and White. Compatible in SP and 3-Way configurations, 120V AC, neutral wire required.	White	WSTA120

Count Down Timers

Description	Color	30 Minutes: OFF, 5, 10, 20, 30	60 Minutes: OFF, 15, 30, 45, 60	12 Hours: OFF, 2, 4, 8, 12
1000W @ 120V AC and 1400W @ 277V AC.	lvory	DT5030I	DT5060I	DT5012I
	Light Almond	DT5030LA	DT5060LA	DT5012LA
	White	DT5030W	DT5060W	DT5012W



Features and Benefits

Dual (Ultrasonic and Passive Infrared)

Combines PIR and Ultrasonic technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The absolute choice for advanced control and precise performance.

Passive Infrared

Passive infrared sensors are specifically designed for long- range major motion activity sensitivity, making them ideal for large open areas.

Various models are suitable for indoor and outdoor applications where NEMA 4X rating is required. Other units are suitable for extreme temperatures areas providing unsurpassed flexibility for almost every application.

Ceiling Mount



Housing Design

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided

Wall Mount



Housing Design

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided



Coverage and Ratings

- Up to 2,000 sq. ft. between 8ft and 12ft mounting height. 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration



Coverage and Ratings

- Up to 1,600 sq. ft. between 8ft and 12ft mounting height. (30ft for high bay, aisle model) 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration



Operation

- Self adjusting sensitivity thresholds and timers; automatic false ON/ false OFF corrections, strong airflow compensation mode
- Compatible with Hubbell's distributed and centralized control systems



Operation

- Self adjusting sensitivity thresholds and timers. Automatic false ON/false OFF corrections airflow compensation mode
- Compatible with Hubbell's distributed and centralized control systems





ATD2000C

Dual (Ultrasonic and Passive Infrared) Ceiling Sensors

Combines the excellent minor motion detection of ultrasonic with the outstanding passive infrared (PIR) long-range major motion detection.

		Coverage Area		
Description	Voltage	2000 sq. ft. (360°)	1000 sq. ft. (180°)	
Low voltage sensor with photocell and isolated relay.	24V DC	ATD2000CRP	ATD1000CRP	
Low voltage sensor.	24V DC	ATD2000C	_	
Line voltage sensor.	120-277V AC	ATD2000CL	ATD1000CL	



ATD1000CRP

Passive Infrared Ceiling Sensors Outstanding long range major motion detection.

		Coverage Area	
Description	Voltage	1500 sq. ft. (360°)	
Low voltage sensor with photocell and isolated relay.	24V DC	ATP1500CRP	
Low voltage sensor.	24V DC	ATP1500C	
Line voltage sensor.	120-277V AC	ATP1500CL	

Note: All Low voltage ceiling sensors must use a CU series control unit. See page E-10 for details.

Line voltage ceiling sensors suitable for occupancy (auto-on) applications only. Use low voltage ceiling sensors and low voltage switches with CU series control units (E-10) for vacancy (manual on) applications.

See pages E-25 to E-28 for technical specifications, coverage patterns and wiring schematics.

For Assembled in USA units Add suffix "U".



ATP1500C

Dual (Ultrasonic and Passive Infrared) Wall Mount Sensors

Description	Color	Coverage	Catalog Number
Low voltage sensor 32kHz with photocell and isolated relay.	Office White	1600 sq. ft.	ATD1600WRP



ATD1600WRP

Passive Infrared Wall Mount Sensors

Description	Color	Coverage	Catalog Number
Low voltage sensor with photocell and isolated relay.	Office White	1600 sq. ft.	ATP1600WRP
Low voltage sensor for aisle and high bay applications, with photocell and isolated relay.	Office White	120 linear feet	ATP120HBRP

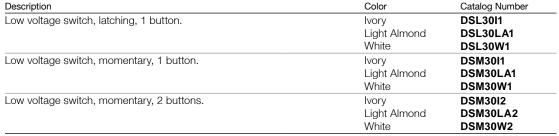
Note: All wall mount sensors must use a CU series control units. See page E-10 for details. See pages E-25 to E-28 for technical specifications, coverage patterns and wiring schematics. For Assembled in USA units Add suffix "U"

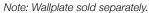


ATP1600WRP

Low Voltage Switches

Single gang design, momentary or latching operation. Compatible with all Hubbell low voltage sensors and Load:Logic® Centralized and Distributed Control Systems. 100mA @ 30V DC max.









Emergency Lighting Controls

20 Amps, 120/277V AC, NC isolated contacts UL924 listed for emergency circuits. 0-10V dimming override.

Description	Catalog Number
Emergency lighting control unit.	CU300ELC
Remote test switch with engraved wallplate.	RTPB10W

Note: See page E-26 for technical specifications.



CU300ELC



RTPB10W





Control Units

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto ON operation, 100-277V AC, 50/60Hz for use with 1 to 4 ATD, ATU, ATP and AD2240 series sensors.	CU300A
Manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 4 ATD, ATU, ATP and AD2240 series sensors.	CU300M
Auto or manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 6 ATD, ATU, ATP, AHP and AD2240 series sensors, heavy duty latching relay for reactive loads and automatic receptacle control.	CU300HD

Note: See page E-26 for technical specifications. For Assembled in USA units Add suffix "U".

Add-A-Relay

Hubbell AAR Add-A-Relay contains an internal relay for control of an external load. The AAR requires a 24V DC power supply from the Hubbell CU series control unit. AAR units are typically used when multiple zone control is desired or the load exceed the maximum load rating of a single control unit.

Description	Catalog Number
Auto ON operation, 120-277V AC, 50/60Hz. Requires a CU300 series control unit; suitable	AAR
for lighting loads.	
Auto or manual ON operation, 100-277V AC 50/60Hz. Requires a CU300 series, heavy duty	AAR20P
latching relay; suitable for automatic receptacle control applications.	

Note: See page E-26 for technical specifications.





AAR20P

0-10V Adaptive Technology Wall Switch Sensor

<u>- </u>				
Description	Color	Voltage	PIR	Dual (PIR & US)
Dimming selectable auto ON/auto OFF manual ON/auto OFF, current sinking capacity, 30mA.	lvory Light Almond White		APD2000I1 APD2000LA1 APD2000W1	ADD2000l1 ADD2000LA1 ADD2000W1
Dimming manual ON/auto OFF (Vacancy) only, current sinking capacity, 30mA.	lvory Light Almond White		APD2001I1 APD2001LA1 APD2001W1	ADD2001I1 ADD2001LA1 ADD2001W1



ADD2000W1 ADD2001W1

Low Voltage Switches with 0-10V Dimming

Single gang design, momentary, latching or a combination operation. Compatible with Hubbell CU300 series control units and IEC60929 Annex E.2 compliant dimming ballasts/LED drivers. Ideal for single zone dimming applications.

Description	Color	Voltage	Momentary, 3 button	Latching, 3 button	1 Latching, 1 Momentary, 4 button
Low voltage switch,	Gray	24V DC	DSM010GY	DSL010GY	DSC010GY
0-10V dimmer,	Ivory		DSM010I	DSL010I	DSC010I
current sinking capacity,	Light Almond		DSM010LA	DSL010LA	DSC010LA
30mA.	White		DSM010W	DSL010W	DSC010W

Note: See page E-34 for technical specifications.





Features and Benefits

MAXX™ Harsh Environment Sensing Devices

MAXXTM products are designed to withstand these harsh environments manufactured with cold and heat resistant components. These sensors tolerate extremes of weather and applications. MAXXTM products provide users with methods to reduce energy usage in harsh environments where other commercial grade products can't.



Pendant Mount



Housing Design

- IP66, TYPE 4X, outdoor rated
- Housing manufactured from chemical resistant thermoplastic
- Multiple mounting kits for existing work boxes and hubs; pendant or wall mounting flexibility

Fixture Mount



Housing Design

- IP65, NEMA 3R watertight, and outdoor rated
- Fixture or work box mounting with ½" threaded nipple



Protection

- Integrated lens guard protects against accidental damage
- Photocell makes sure lights stay OFF when there is sufficient daylight
- Isolated relay provides signalling to HVAC and ventilation systems



Coverage and Electrical Ratings

- Digital passive infrared (PIR) sensor
- Two (upward/downward) photocells options for daylight harvesting
- Supplied with 360° lens; aisle, endof-aisle and 180° lenses available separately
- -40°F to 149°F (-40°C to 65°C) operating temperature range; compatible with CFL/LED and motor loads



Access Cover

• Stainless steel hardware and settings access cover



TYPE 4X Outdoor, Passive Infrared Wall Mount Sensor

Description	Voltage	Catalog Number
PIR sensor, with isolated relay and photocell.	24V DC	AHP1600WRP

Note: For use with CU300HD (100-277V AC, 50/60Hz) control unit. See page E-26 for technical specifications and coverage patterns.



AHP1600WRP

Extreme Temperatures Passive Infrared Ceiling Mounted Sensor

Use ACIPE to make NEMA 4X watertight.

Description	Voltage	Catalog Number
Sensor with isolated relay and photocell.	24V DC	AHP1500CRP
IP66, NEMA 4X enclosure.	_	ACIPE

Note: For use with CU300HD (100-277V AC, 50/60Hz) control unit. See page E-25 for technical specifications and coverage patterns.



AHP1500CRP with ACIPE

Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto or manual ON operation, 100-277V AC, 50/60Hz, heavy duty latching relay.	CU300HD
Auto or manual ON operation, 100-277V AC, 50/60Hz. Requires a CU300 series, heavy duty latching relay.	AAR20P

Note: See page E-26 for technical specifications.



For Assembled in USA units Add suffix "U".

OPTIMYZER® Watertight High Bay and Low Bay PIR Sensors with Photocells

IP65, NEMA 3R, outdoor rated, -40°F to 149°F (-40°C to 65°C) operating temperature range.

Description	Voltage	Standard	0-10V Dimming
Single relay end mount.	120-347V AC	HBSXT13	HBSXT14D
2 relays end mount.	120-347V AC	HBSXT23	_
1 double pole relay end mount.	208, 240V AC	HBSXT28	_
1 double pole relay end mount.	480V AC	HBSXT48	_
Low voltage end mount.	24V DC	HBSXT24*	HBSXT24D*
Single relay surface mount.	120-480V	_	HBSXT14DSM
Low voltage surface mount.	24V DC	_	HBSXT24DSM*



Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.

*For use with CU300HD (120/277V AC, 50/60Hz) control unit.

See pages E-29 and E-30 for technical specifications and coverage patterns.

Replacement Lenses

ricpiacement Lenses		
Description	High Bay	Low Bay
180° lens.	HBRLXT180	LBRLXT180
360° lens.	HBRLXT360	LBRLXT360
Aisle lens.	HBRLXTA	LBRLXTA
End of aisle lens.	HBRLXTEA	LBRLXTEA



HBRLXT180



HBRLXT360



HBRLXTA

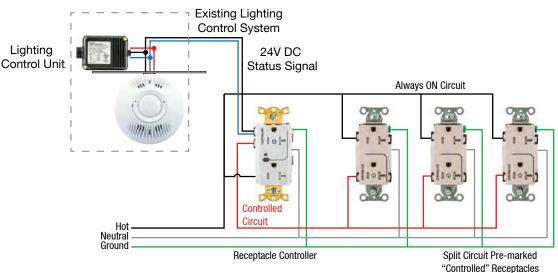


New Codes and Standards mandates that 50% of all receptacles in private offices, open offices and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Find out more design resources at www.hubbell-wiring.com/energy.aspx

Wired

Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify Hubbell's new load control receptacle to meet this requirement. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.







Codes and Standards



ASHRAE Standard 90.1 2019

Standard 90.1 requires that at least 50 percent of all 125V, 15A and 20A receptacles in private offices, open offices and classrooms be controlled by an automatic control device. Controlled receptacles need to be marked to differentiate them from non-controlled receptacles.





California Title 24 Building Energy Efficiency Standards 2019

Section 130.5(d) of California Energy Commission Title 24, Part 6 - 2019 code requires receptacles to have automatic shutoff controls in certain spaces in all buildings.



2020 National Electrical Code®

NEC® Section 406.3(E) requires that all nonlocking, 125 V, 15A and 20A receptacles controlled by an automatic control device or by an automatic energy management system must be marked with the 🖒 symbol and the word "CONTROLLED".

Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Wired

Switched Receptacles for Automatic Receptacle Control

		15A			20A
Description	Color	Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Auto ON/Auto OFF	Black	HBL5262LC1BK	HBL5262LC2BK	HBL5362LC1BK	HBL5362LC2BK
control. Capable of	Brown	HBL5262LC1	HBL5262LC2	HBL5362LC1	HBL5362LC2
controlling additional	Gray	HBL5262LC1GY	HBL5262LC2GY	HBL5362LC1GY	HBL5362LC2GY
receptacles downstream.	Green	HBL5262LC1GN	HBL5262LC2GN	HBL5362LC1GN	HBL5362LC2GN
	lvory	HBL5262LC1I	HBL5262LC2I	HBL5362LC1I	HBL5362LC2I
	Lt. Almond	HBL5262LC1LA	HBL5262LC2LA	HBL5362LC1LA	HBL5362LC2LA
	White	HBL5262LC1W	HBL5262LC2W	HBL5362LC1W	HBL5362LC2W



HBL5362LC2W

Note: See page E-31 for technical information. Special order for hospital grade devices.

Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto or manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 6 ATD, ATU, ATP, AHP and AD2240 series sensors, heavy duty latching relay for reactive loads and automatic receptacle control.	CU300HD
Auto or Manual ON operation, 100-277V, AC 50/60Hz. Requires a CU300 series, heavy duty latching relay; suitable for automatic receptacle control applications.	AAR20P



Note: See page E-26 for technical specifications and wiring schematics.

Wireless

Switched Receptacles for Automatic Receptacle Control

		15A		2	20A
Description	Color	Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Wireless receiver Auto ON/Auto OFF. Capable of controlling additional receptacles downstream.	Black Brown Gray Green Ivory Lt. Almond White	HBL5262RFC1BK HBL5262RFC1 HBL5262RFC1GY HBL5262RFC1GN HBL5262RFC1I HBL5262RFC1LA HBL5262RFC1W	HBL5262RFC2BK HBL5262RFC2 HBL5262RFC2GY HBL5262RFC2GN HBL5262RFC2I HBL5262RFC2LA HBL5262RFC2W	HBL5362RFC1BK HBL5362RFC1 HBL5362RFC1GY HBL5362RFC1GN HBL5362RFC1I HBL5362RFC1LA HBL5362RFC1W	HBL5362RFC2BK HBL5362RFC2 HBL5362RFC2GY HBL5362RFC2GN HBL5362RFC2I HBL5362RFC2LA HBL5362RFC2LA

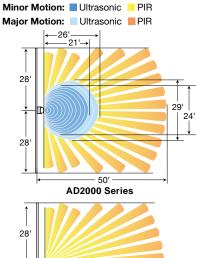


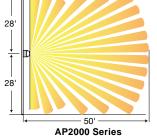
Note: See page E-31 for technical information. Special order for hospital grade devices.

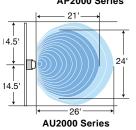
Adaptive Technology Wall Switch Sensors

Electrical	AD2000, APD2000, AP2000 Series
Power Supply	120/277V AC, 50/60Hz
Load Capacity	
120V AC	800W Incandescent, 1000W Electronic Ballast, 5A LED
277V AC	1800W Electronic Ballast, 5A LED
Motor Load	1/6HP
Power Requirements	24V DC nominal, 33mA from Hubbell CU series control unit (AD2240 Series)
Agency Approvals	UL and cUL Listed
Physical	
Housing	High impact plastic (UL 94-5V)
Lens	Dual element pyrometer and 12 element cylindrical hard lens (AP2000 only)
Dimensions	Face 2.57"H x 1.71"W, 0.53"D (from wall out)
Mounting Height	42 to 54 inches above floor
Environmental	
Operating	32° F to 104°F (0°C to 40°C); 0% to 95% non-condensing relative humidity
Controls	
Time Delay	Digital, adaptive 4 to 30 minutes, 20 minutes default
Ambient Light	Adjustable ambient light override, 10 to 500 foot candles
Front Press Switch	Auto/OFF
Sensitivity	Adaptive 0% to 100%
Service Switch	Air gap OFF
Dimming	0-10V, Sink up to 30mA (APD2000 series only)
Sensing Indicator	
Passive Infrared	Red LED (AD & AP series only)
Ultrasonic	Green LED (AD & AU series only)

Wall Switches Coverage Patterns



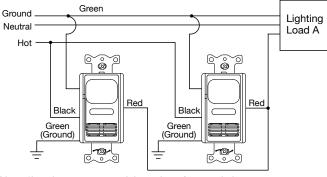




Wiring Schematic AD, AU, AP, 2000 Series Wall Switch Sensors

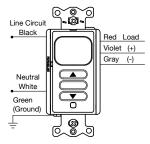
Single Circuit Wiring Two Circuit Sensor, Wired for Two Loads Ø Line Circuit 1 **Ø** 120/277V AC 120/277V AC Black Load 1 Red Load 1 Black Green Ground Green (Ground Blue Load 2 Purple Line Circuit 2 120/277V AC]-1331-

Single Circuit Sensors, Wired as 3-Way Sensors*

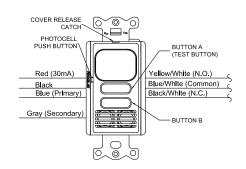


Note: *Load can not exceed the rating of one switch. Sensor is shipped with all DIP switches in the OFF position (factory default).

Wall Switch Sensors with Neutral Wires



Low Voltage Wall Switch Sensors*



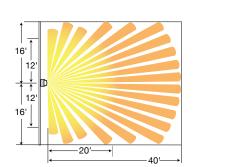
Adaptive Technology PIR Wall Switches WS2000, WS1000 and WS1020 Series

Electrical	WS2000 Series	WS1000/WS1020 Series	
Power Supply	120/277V AC, 60Hz	120V AC, 60Hz	
Load Capacity			
Incandescent	1000 watts	5A/600 watts	
120V Ballast, CFL, LED	1000 watts, 1/6HP	5A/600 watts, 1/6HP	
277V Ballast, CFL, LED	1800 watts	N/A	
Agency Approvals	cULus Listed	cULus Listed	
Warranty	5 years	5 years	
Physical			
Housing	Flame retardant UL 94 V-0	ABS	
Lens	Polyethylene		
Dimensions	Face 2.59"H x 1.30"W, 0.61	"D (from wall out)	
Mounting Height	42 to 54 inches above floor	-	
Environmental			
Operating	32°F to 122°F (0°C to 50°C) with rate of change	
	not exceeding 20°F (11°C) per hour; 20% to 90%		
	non-condensing relative hu	ımidity	
Storage	-40°F to 150°F (-40°C to 65	5°C);	
	20% to 90% non-condensi	ng relative humidity	
Controls	WS1000/WS2000 Series	WS1001/WS1020 Series	
Time Delay	Manual 6 seconds to 20 mi	inutes	
Ambient Light	Digital, pushbutton,	N/A	
_	10 to 500 foot candles		
Front Press Switch	ON/OFF	ON/OFF	
Service Switch	OFF (service)	OFF (service)	
	Vac (manual ON)	ON (service)	
	Occ (auto ON)		
Sensing Indicator			
Passive Infrared	Red LED		

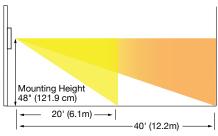
Wall Switches Coverage Patterns

Major Motion: PIR

Minor Motion: PIR



WS2000, WS1000 and WS1020 Series

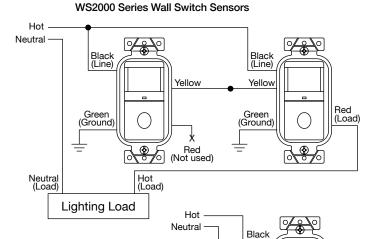


Vertical Coverage WS2000, WS1000 and WS1020 Series

Wiring Schematic WS2000, WS1000 and WS1020 Series Wall Switches

(Ground)

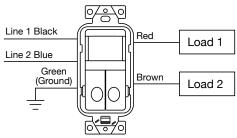
Lighting Load



Neutral

Dual Circuit Sensor, Wired for Dual Circuits

WS1020 Series Wall Switch Sensors



Yellow

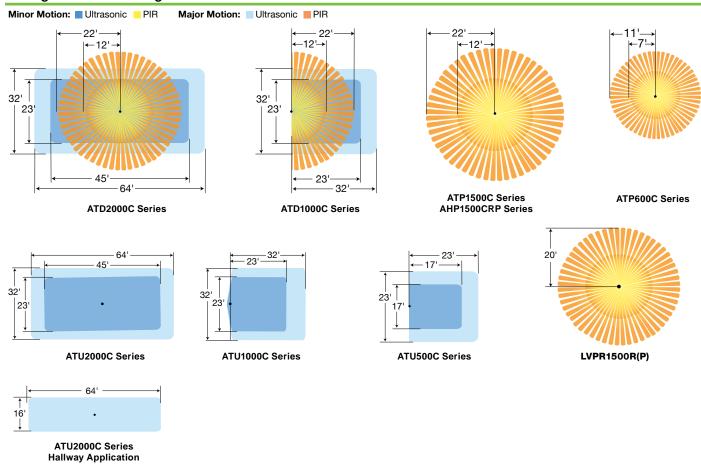
Red

Hot (Load) (Not available in WS1000 series)

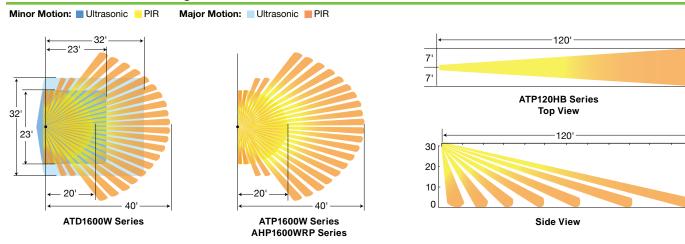
Adaptive Dual Technology, Ultrasonic and Passive Infrared Ceiling and Wall Mount Sensors ATD, AHP and ATP Series

,			
Electrical			
Power Requirements	24V DC nominal, 33mA from Hubbell CU series control unit		
Isolated Relay (sensors with RP suffix)	Relay: N/O + N/C contacts; 500mA rated @ 2	4V DC; 3-wire isolated relay	
Agency Approvals	UL and cUL Listed		
Physical	Ceiling Sensors	Wall Mount Sensors	
Housing	Flame retardant UL 94 V-0 ABS	Flame retardant UL 94 V-0 ABS	
Protection	NEMA 4X, when used with ACIPE	NEMA 4X, IP66, outdoor use rated (AHP only)	
Lens	Polyethylene	Polyethylene	
Dimensions	1.5"H x 4.5"Diameter	6"H x 2"W x 1.5"D	
Color	Office white	Office white; Gray (AHP series)	
Mounting Height	8 to 12 feet	8 to 12 feet, 8 to 30 feet (ATP120HB series)	
Environmental			
Operating	32°F to 104°F (0°C to 40°C) with rate of change not exceeding 20°F (11°C) per hour;		
· -	0% to 95% non-condensing relative humidi	ty	
	-40°F to 149°F (-40°C to 65°C) with rate of	change not exceeding 20°F (11°C) per hour;	
	0% to 95% non-condensing relative humidi		
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 95%	non-condensing relative humidity	
Controls			
Time Delay	Test (8 seconds), adaptive 8 to 40 minutes		
Ambient Light	1 to 1000 foot candles		
Sensitivity	Adaptive 0 to 100%		
Sensing Indicators			
Ultrasonic (ATD and ATU Series)	Green LED		
Passive Infrared (ATD, AHP and ATP Series)	Red LED		

Ceiling Sensors Coverage Patterns



Wall Mount Sensors Coverage Patterns



Control Units - CU300A or CU300M and CU300HD Series

Electrical	CU300A or CU300M	CU300ELC	CU300HD
Power Supply	100-277V AC, 50/60Hz	100-277V AC	100-277V AC, 50/60Hz
Power Output	24V DC, 150mA	N/A	24V DC, 250mA
Load Capacity Motor Loads	16A, 8A LED	16A	20A
	1HP	1HP	1HP @ 120V
			2HP @ 240/277V
AT Sensor/AAR Capacity	1 to 4 combined		1 to 6 combined
Agency Approvals	UL and cUL Listed	cULus Listed	cULus Listed
Physical			
Housing	Flame retardant UL94-5VA thermoplastic	Flame retardant ULS	94-5VA thermoplastic
Dimensions	3.69"L x 2.33"W x 1.36"H	4.00"L x 3.4"W x 1.	73"H
Color	Black	Black	
Environmental			
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing relative humidity		-40°F to 149°F (-40°C to 65°C). Below 32°F (0°C) must use suitably rated non-metallic enclosure. 0% to 90% humidity, non-
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90 relative humidity	% non-condensing	condensing

Add-A-Relay Control Units

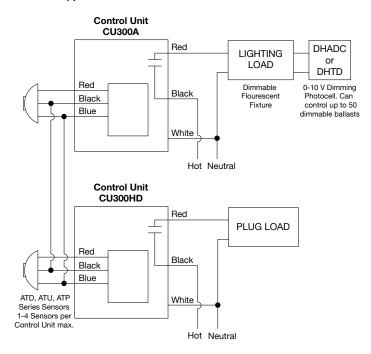
Electrical	AAR	AAR20P
Power Input	24V DC nominal, 33mA from Hubbell CU series control unit	24V DC nominal, 50mA from Hubbell CU300HD series control unit
Load Capacity	16A, 120/277V AC, 8A LED	20A, 100-277V AC
Motor Loads	1800 watts	Motor Loads
1HP @ 120V	2400 watts	1HP @ 120V
2HP @ 240/277V	2400 watts	2HP @ 240/277V
Operation Mode	Auto ON/Auto OFF	Selectable Auto ON/Auto OFF or Manual ON/Auto OFF
Agency Approvals	UL and cUL Listed	cULus Listed
Physical	<u> </u>	
Housing	Flame retardant UL94-5V thermoplastic	Flame retardant UL94-5VA thermoplastic
Dimensions	3.69"L x 2.33"W x 1.36"H	4.00"L x 3.4"W x 1.73"H
Color	Black	Black
Environmental		
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing relative humidity	-40°F to 149°F (-40°C to 65°C). Below 32°F (0°C) must use suitably rated non-metallic enclosure. 0% to 90% humidity,
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% non-condensing relative humidity	non-condensing

Ceiling and Wall Mount Sensors ATD, ATP Series

Single lighting circuit 1 to 4 sensors wired to control unit with optional override OFF switch application.

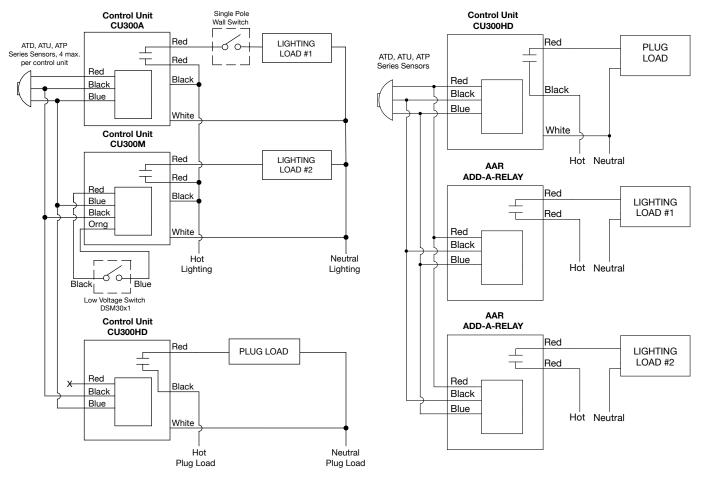
CU Series Control Unit N H Black Black White Blue Red Blee Red Switch* ATD, ATU and ATP Series Sensors** Lighting Load *Optional Override OFFSwitch Black Gray (Control + Photocell) Blue/White (Relay Common) Black/White (Relay Normally Closed) Yellow/White (Relay Normally Open Ceiling sensor with "RP" option

Single lighting circuit with 0-10V dimming and automatic receptacle control application.



Bi-level lighting circuit and automatic receptacle control application.

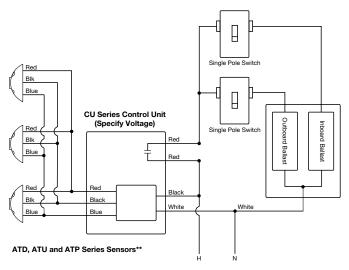
Two lighting circuits and automatic receptacle control application.



Adaptive Technology Dual, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors ATD, ATU and ATP Series

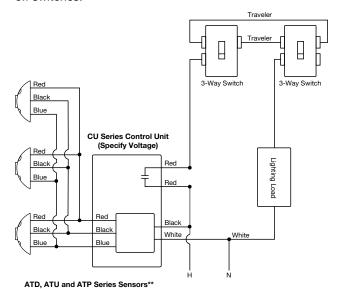
Single Circuit, Dual Level Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.



Single Circuit, 3-Way Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.

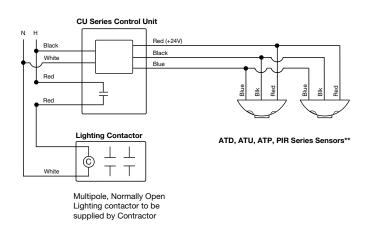


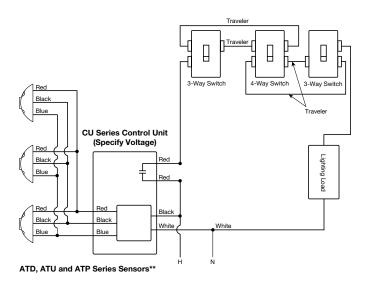
Multi-Circuit Application:

1 to 4 sensors wired to control unit that is wired to a multi-pole lighting contactor.

Single Circuit, 4-Way Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.





Note: **For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Gray sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.

OPTIMYZER® H	ligh Bay and Low Bay End Mo	ount PIR Sensors	
User Interface	(1) twelve pin DIP switch		
Timer time-outs	Primary: 8-second test mode, 4, 8, 16 and 30 minute time-outs Secondary: (Can be disabled) 30, 60 and 90 minute time-outs		
Passive infrared	Dual element pyrometer and spherical F	resnel lens	
Daylight sensor	Dual element pyrometer and spherical F detection of a walking person*	resnel lens designed for robust	
Coverage	360° lens provided, 180° aisle and end-	of-aisle lenses also available	
Load ratings (Line voltage units)	120V AC: 800W ballast or tungsten, 5 LED 277V AC: 1200W ballast, 5 LED 347V AC: 1500W ballast	208/240V AC: 1200W ballast 480V AC: 2400W ballast 1/4 HP motor load @ 120V AC, 1/6 HP @ 347V AC	
Low voltage sensors (Output)	24V DC nominal, 33mA from Hubbell Cl Relay: N/O + N/C contacts; 500mA rated		
0-10V Dimming	Capable of sinking up to 30mA (Dimmin	g series)	
Dimming presets unoccupied	70%, 60%, 50%, 20% (Dimming series)		
Full OFF timer delay enabled Full OFF timer delay disabled	After 60 minutes in the Unoccupied low level state, sensor will turn lighting OFF Sensor will maintain low level setting when there is no occupancy (Dimming series)		
Operating environment	Indoor use only models Operating temperature: (standard version) 32°F to 149°F (0°C to 65°C); Relative humidity (non-condensing): 0% to 95%		
	Indoor and outdoor use (Watertight) IP65 models HBSXT series Operating temperature: -40°F to 149°F (-40°C to 65°C)		
Construction	Casing: High-impact injection-molded the	nermoplastic	
Size and weight	Size: 4.0" Diameter x 1.5" Height; Weigh	t: 7 oz.	
Color	White		
Mounting	Mounts directly to end of a fixture through an extended ½ inch chase nipple for deeper body fixtures, an optional Extender Adapter (HMHBSA available separately) positions the sensor flush or below the bottom of the reflector for a full field of view		
Certifications	cULus Listed, indoor models		

Minor Motion: PIR Major Motion: PIR HMHB Series H= 0' to 45'

Lens Coverage C = 1.4 @ 00-30 and 1.1 @ 30-45 (FT)

Height (H)	Radius (R)	Diameter (D)
18	25.2	50.4
20	28	56
24	33.6	67.2
28	39.2	78.4
30	42	84
32	35.2	70.4
36	39.6	79.2
40	44	88
42	46.2	92.4
45	49.5	99

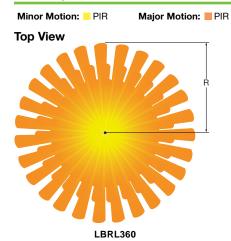
Note: *When used with program start ballast, a 1-2 second delay from occupancy detection to lamp turn-on may be experienced.

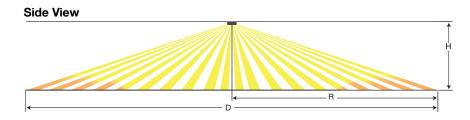
Conforms to UL STD 508, UL STD 244A, and IP65 (Watertight) models

OPTIMYZER® Low Mount Lens Modification Coverage Patterns

HBSXT series

5 year limited



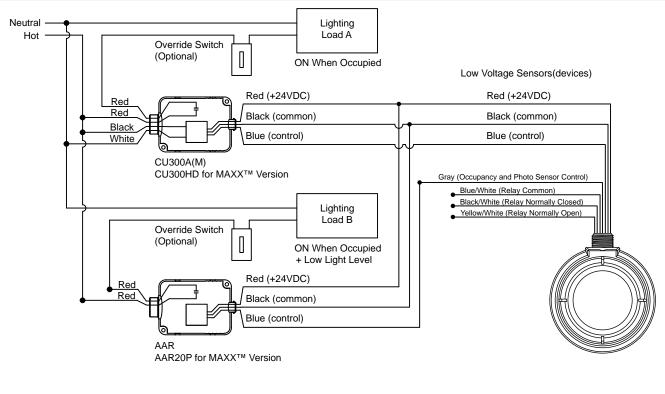


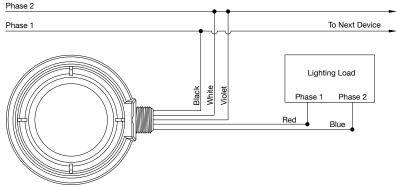
Lens Coverage 3:1 Ratio (FT)

Height (H)	Radius (R)	Diameter (D)
8	24	48
10	30	60
12	36	72
14	42	84
16	48	96

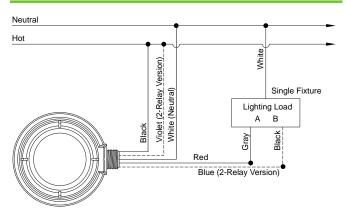
Warranty

OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Low Voltage Sensor with Control Unit

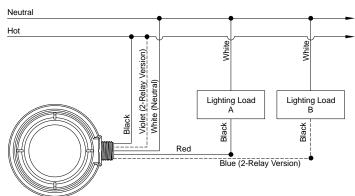




OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Dual Relay, Single Fixture



OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Dual Relay, Two Fixtures







HBL® Heavy Duty Style Line® Specification Grade and Hospital Grade Straight Blade Switched Duplex Receptacles

Specifications		
Receptacle	Part	Description
Typical Specification - Catalog No. HBL5262LC1, HBL2172LC1	Receptacle	15A (Always Hot), 8.3A (Switched)
Manufacturer's Identification - Hubbell HBL5262LC1 Receptacle	Тор	Nylon
Description - Straight Blade Switched Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire Grounding	Power Contacts	0.031 in. (0.8) Brass
Rating - Uncontrolled (Always Hot) 15A, 125V	Wire Clamp	0.062 in. (1.6) Steel-Nickel Finish
- Controlled (Switched) Tungsten 8.3A, CFL & LED: 3.75A	Mounting Strap	0.047 in. (1.2) Brass
Motor Load: 1/2HP	Line Terminal Screws	#8-32 Brass, Multiple Drive
Certification - cULus 498B SA: UL File No. E481574	Ground Screw	#8-32 Brass, Multiple Drive
Fed. Spec. WC596G	Center Assembly Staple	0.040 in. (1) Steel (Galvanized)
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. HBL5362LC1, HBL2182LC1	Receptacle	20A (Always Hot), 12.5A (Switched)
Manufacturer's Identification - Hubbell HBL5362LC1 Receptacle	Тор	Nylon
Description - Straight Blade Switched Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire Grounding	Power Contacts	0.031 in. (0.8) Brass
Rating - Uncontrolled (Always Hot) 20A, 125V	Wire Clamp	0.062 in. (1.6) Steel-Nickel Finish
- Controlled (Switched) Tungsten 12.5A, CFL & LED: 5A	Mounting Strap	0.047 in. (1.2) Brass
Motor Load: 1HP	Line Terminal Screws	#8-32 Brass, Multiple Drive
Certification - cULus 498B SA: UL File No. E481574	Ground Screw	#8-32 Brass, Multiple Drive
Fed. Spec. WC596G	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical (Always Hot Receptacle)	
Dielectric Voltage Max. Working Voltage Current Interrupting Temperature Rise	Withstands 2,000V minimum. 125V AC Certified for current interrupting at full current. Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at power factor of 75%.
Mechanical	
Terminal Identification Terminal Accomodation Product Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green). #14-10 AWG stranded or solid copper conductor only. Ratings are a permanent part of the device.
Environmental	
Flammabilty Operating Temperature	UL94V-2 32°F (0°C) to 104°F (40°C)

Low Voltage Switches with 0-10V Dimming

Specifications

Base Catalogs: DSM30xx, DSL30xx, DSC010xx, DSM010xx, DSL010xx

Compatible with Hubbell Wiring Device-Kellems CU300HD, CU300M control units, AAR20P relay packs.

0-10V Dimming Series compatible with IEC60929 Annex E.2 compliant LED Drivers

Accepts Hubbell Wiring Device-Kellems NPS26 and NP26 series decorator style wall plates (Not Included)

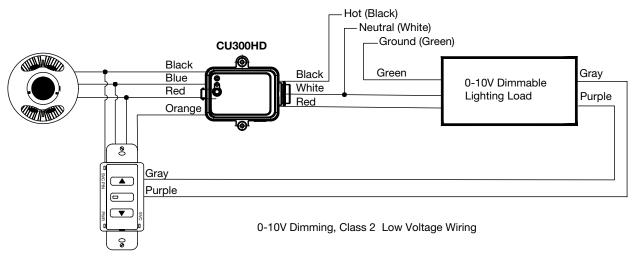
Two-year warranty

Electrical Ratings

100mA @ 30VDC

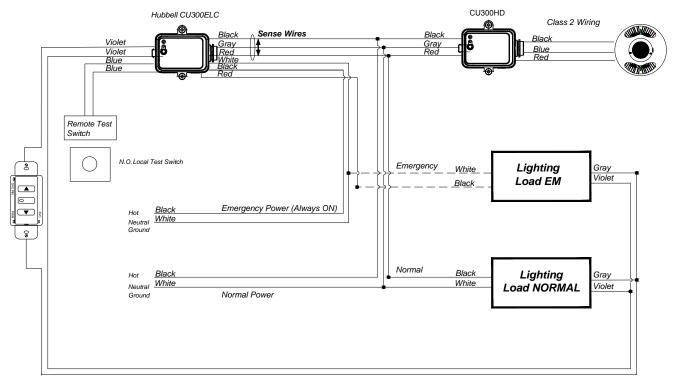
0-10V Dimming Series: Current Sinking Capacity: 100mA

Available in Latching, Momentary, and Combination (DSC010series) of both configurations



Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

CU300ELC Unit Wired with Control Unit CU300HD



Class 2 Wiring 0-10V Dimming

SECTION F

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Switched Disconnects and Enclosures

Products at a Glance

UL508/UL60947 Circuit-Lock® Motor Disconnects



Labelless Circuit-Lock® Disconnect Switches

- Non-metallic and stainless steel options
- Available in 30, 60 and 100 Amp versions
- IP69k and Type 4X, 12K water ingress protection
- Permanent labelless markings
- Available with six highly visible LED Indicators
- Certified by NSF for hygiene in Food Processing applications
- Highly visible red handle which meets OSHA LO/TO capabilities
- Accepts up to 2 auxiliary contacts
- Cover cannot be removed with switch in the "ON" position



Enhanced Features:

- **inSIGHT** LED indicators provide visual confirmation of power by phase
- MotorQuick® Plug and play functionality to reduce Total Cost of Ownership
- VFDs Factory installed auxiliary contact for safe disconnecting in VFD applications
- JOG Factory installed Jog switch for point of use communication to PLC/VFD
- Stainless Steel Sloped Top 15° rounded top aids run-off by minimizing horizontal surfaces





UL98 Circuit-Lock® Motor Disconnects



200A Circuit-Lock® Disconnect Switches

- Non-metallic & stainless steel
- Type 4X, 12
- Accepts up to 2 auxiliary contacts
- OSHA Compliant Lockout/ Tagout handle
- Unable to open the cover when "ON"; cover locked when energized



Circuit-Lock® 30 and 60 Amp Fused Disconnect Switches

- Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements
- Removable door for ease of wiring and installation
- Switch accepts Class "J" fuses and up to 2 auxiliary contacts

UL98 and UL508 Disconnect Switches



Hazardous Locations

- Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations
- Top and bottom drilled and tapped conduit entrances
- For use as motor disconnects

UL508 Switches



Disconnect Switches

- Thermoset body provides high resistance to electrical arc tracking
- Withstands high temperatures
- Provides long-life reliability

Switched Disconnects and Enclosures







Features and Benefits

Non-Metallic Sloped Circuit-Lock® Switched Disconnect Enclosures

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

Continued Hubbell Excellence:

- Constructed from corrosion and impact resistant UV stabilized non-metallic material
- IP69k and Type 4X,12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Adjustable mounting feet are now 40% stronger to help prevent nuisance breakage
- Product ratings are permanently laser-marked and will not wash off Truly captive screws prevent lost screws



Rounded Sloped Top Enhanced Features:

- Rounded slope top aids run-off by minimizing horizontal surfaces
- Top feed version available
- Installation Free inSIGHT
- Improved conformal coated inSIGHT LED board
- Improved gasketing... longer lasting

- Closed Loop Lock Out / Tag Out
- Flat for side feed
- Accepts up to 3 Auxiliary Contacts
- 4th Pole solutions



LED Indicators

- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases



Variable Frequency Drive (VFD)

- Integrates a verified break before break auxiliary contact factory installed in our HBLDS series
- Prevents downtime from out of sequence equipment shutdowns



Jog Switch

- Cost savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout



MotorQuick® Version

- Significantly reduces the time it takes to replace motors by combining the plugand-play technology of the LINKOSITY® power system
- Motor rotation can be pre-checked in a maintenance shop to further speed the installation

Switched Disconnects and Enclosures







New Innovations

Circuit-Lock® 30A Disconnects with LED Indicators

Hubbell's new 30A Circuit-Lock Disconnect with integral phase indication LEDs redefines the benchmark for safety by providing insight into the enclosure while in use. Six highly visible LEDs (3 line side/3 load side) communicate the electrical status of the switch by phase. This voltage detection feature significantly improves existing safety and maintenance procedures by visually providing personnel critical information prior to removing the enclosure cover; e.g. a welded contact or dropped phase.

Installation of inSIGHT has never been easier. The improved design only requires termination of a single ground wire. No additional effort is required for the next level of safety.

inSIGHT™

Insight (n): the power or act of seeing into a situation





 Secondary confirmation of opening of load side contacts













- The backside of the cover includes self terminating diagnostic LEDs. No more wire harness or tabs to terminate. Only a single ground wire.
- Modernized circuit board is completely conformal coated withstanding moisture







Non-Metallic Sloped Switched Disconnect Enclosures

30 Amp	60 Amp	100 Amp
HBLDS30	HBLDS60	HBLDS100
HBLDS30AC	HBLDS60AC	HBLDS100AC
HBLDS30VFD	HBLDS60VFD	HBLDS100VFD
HBLDS30NK	_	_
	HBLDS30AC HBLDS30VFD	HBLDS30 HBLDS60 HBLDS30AC HBLDS60AC HBLDS30VFD HBLDS60VFD



Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS30J	HBLDS60J	HBLDS100J
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS30ACJ	_	<u> </u>
Disconnect switch for use with variable frequency drives.	HBLDS30VFDJ	_	_
Disconnect switch with Jog switch and LEDs.	HBLDS30PJ	HBLDS60PJ	HBLDS100PJ

Non-Metallic Sloped Switched Disconnect Switches with LEDs

Description	30 Amp	60 Amp	100 Amp
Non-Metallic disconnect switch with LEDs	HBLDS30P	HBLDS60P	HBLDS100P
Non-Metallic disconnect switch with HBLAC1	HBI DESUBAC	HBLDS60PAC	HBI DS100BAC
auxiliary contact	HBLDSSUFAC	HBLD300FAC	HBLDS100FAC

Note: *Certified by NSF, International.

LED version for use with 3Ø Y and delta configurations.

Top Feed Non-Metallic Sloped Switched Disconnect Enclosures*

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS30T	HBLDS60T	HBLDS100T
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS30TAC	HBLDS60TAC	HBLDS100TAC
Disconnect switch for use with variable frequency drives.	HBLDS30TVFD	HBLDS60TVFD	HBLDS100TVFD
Disconnect switch without conduit knockout or conduit fitting.	HBLDS30TNK	_	_

Top Feed Non-Metallic Sloped Switched Disconnects with Jog Switch*

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS30TJ	HBLDS60TJ	HBLDS100TJ
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS30TACJ	_	_
Disconnect switch for use with variable frequency drives.	HBLDS30TVFD	J —	_
Disconnect switch with Jog switch and LEDs.	HBLDS30TPJ	HBLDS60TPJ	HBLDS100TPJ

Top Feed Non-Metallic Sloped Switched Disconnect Switches with LEDs*

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Description	30 Amp	60 Amp	100 Amp
Non-Metallic disconnect switch with LEDs	HBLDS30TP	HBLDS60TP	HBLDS100TP
Non-Metallic disconnect switch with HBLAC1 auxiliary contact	HBLDS30TPAC	HBLDS60TPAC	HBLDS100TPAC

Note: *Top feed versions include a single flat and drill point for top feed applications. LED version for use with 3Ø Y and delta configurations.

Accessories:

3/4" NEMA Type 3,3R, 4X and 12 zinc Conduit Hub	HUB75
1 1/4 NEMA Type 3,3R, 4X and 12 zinc Conduit Hub	HUB125A
3/4" Grounding Plate for side feed applications	HBLDS34GP*
Additional Pole for up to 30A applications	HBL4P

*May require an additional ground block.

Replacement Accessories

	Switch	Mounting Feet	Ground Block	Neutral Block
For 30A switches	HBLDS3RS	HBLRFT1	HBL30RGB	HBL30RNB
For 60A switches	HBLDS60100RS	HBLRFT2	HBL60100RGB	HBL60RNB
For 100A switches	HBLDS60100RS	HBLRFT2	HBL60100RGB	HBL100RNB
For HBLDS33ACNK	HBLDS33ACRS	HBLRFT1	HBL30RGB	HBL30RNB



HBLDS30



HBLDS30VFD



HBLDS3RS



HBLRFT1



HBLAC2







Features and Benefits

Stainless Steel Circuit-Lock® Unfused Switched Disconnect Enclosures*

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

- Formed in nonporous 304 stainless steel
- IP69k and Type 4X,12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Fixed offset 1/4 inch mounting feet meet NEC airspace requirements for metal enclosures
- Labelless markings on the cover
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Cover cannot be removed with switch in the "ON" position
- Accepts up to 2 Auxiliary contacts





More than ever food and beverage processing facilities see the value of investing in intelligent design and following best practices in hygiene.

The sloped top enclosure is consistent with these best practices. Horizontal surfaces have been minimized to assist with getting it clean and keeping it clean.



LED Indicators

- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases



Housing Design

- Sloped top design sheds water and debris
- Fully shrouded handle prevents damage to the handle
- Captive screws prevent lost screws



Jog Switch

- Cost Savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added Safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout



Labor Savings

- 15° Sloped Top version available predrilled with ¾ inch stainless steel hubs for bottom feed applications
- Ample gutter space for hassle free installation







Stainless Steel Circuit-Lock® Unfused Switched Disconnect Enclosures*

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Description	30 Amp	60 Amp	100 Amp
Square Top disconnect switch.	HBLDS3SS	HBLDS6SS	HBLDS10SS
Square Top disconnect switch with HBLAC1 auxiliary contact.	HBLDS3SSAC	HBLDS6SSAC	HBLDS10SSAC
Square Top disconnect switch for use with variable frequency drives.	HBLDS3SSVFD	HBLDS6SSVFD	HBLDS10SSVFD
Sloped Top disconnect switch.	HBLDS3SSR	HBLDS6SSR	HBLDS10SSR
Sloped Top disconnect switch with HBLAC1 auxiliary contact.	HBLDS3SSRAC	HBLDS6SSRAC	HBLDS10SSRAC
Sloped Top disconnect switch for use with variable frequency drives.	HBLDS3SSRVFI	HBLDS6SSRVFD	HBLDS10SSRVFD
Sloped Top disconnect, Pre-drilled 4X with (2) ¾ inch stainless steel hubs.	HBLDS3SSR2K	_	_
Sloped Top enclosure, Blank.	HBLDSSRNK3	HBLDSSRNK6	_



HBLDS3SS

Stainless Steel Disconnects with Jog Switch

Description	30 Amp	60 Amp	100 Amp
Square Top disconnect	HBLDS3SSJ	HBLDS6SSJ	HBLDS10SSJ
Square Top disconnect with Jog switch and LEDs	_	HBLDS6SSPJ	HBLDS10SSPJ
Sloped Top disconnect	HBLDS3SSRJ	HBLDS6SSRJ	HBLDS10SSRJ
Sloped Top disconnect with Jog switch and LEDs	HBLDS3SSRPJ	HBLDS6SSRPJ	HBLDS10SSRPJ



HBLDS3SSJ

Unfused Disconnect Switches with LEDs

Description	30 Amp	60 Amp	100 Amp
Stainless Steel square top disconnect switch with LEDs	HBLDS3SSP	HBLDS6SSP	HBLDS10SSP
Stainless Steel square top disconnect switch with HBLAC1 auxiliary contact	_	HBLDS6SSPAC	_
Stainless Steel sloped top disconnect switch with LEDs	HBLDS3SSRP	HBLDS6SSRP	HBLDS10SSRP
Stainless Steel sloped top disconnect switch with HBLAC1 auxiliary contact	_	HBLDS6SSRPAC	HBLDS10SSRPAC

Note: *Certified by NSF, International. For use with 3Ø Y configurations only.



HBLDS3SSR

Stainless Steel Conduit Hubs

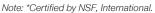
Description	Catalog Number
³ / ₄ inch stainless steel conduit hub.	HUB75SS
11/4 inch stainless steel conduit hub.	HUB125SS



HUB125SS

HUB75SS

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Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1**
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.	HBLAC2**
"Break After Main Break", 2 sets of n/o contacts, 2 sets of n/c contacts	HBLAC11



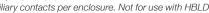
**Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK. 30A Units are supplied with one 3/4 in. NPT Raintight conduit fitting.





HBLDS3SSRPJ

HBLDSSRNK3



60A and 100A Units are supplied with two 11/4 in. NPT Raintight conduit fittings.







HBLDS30RCP

Non-Metallic Sloped Replacement Covers

Description		30 Amp	60 Amp	100 Amp
For Non-Metallic Sloped Top Disconnects - HBLDS30, HBLDS60 and HBLDS100 variations	Standard	HBLDS30RC	HBLDS60RC	HBLDS100RC
	with LEDs	HBLDS30RCP	HBLDS60RCP	HBLDS100RCP
(Works with Fully Rounded and Round Top feed versions)	with Jog switch	HBLDS30RCJ	HBLDS60RCJ	HBLDS100RCJ
1	with LEDs and Jog	HBLDS30RCPJ	HBLDS60RCPJ	_



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HBLDS30RC

Description		30 Amp	60 Amp	100 Amp
For square top	Standard	HBLDS3SSRC	HBLDS6SSRC	HBLDS10SSRC
disconnect switches.	with LEDs.	HBLDS3SSRCP	HBLDS6SSRCP	HBLDS10SSRCP
switches.	with Jog switch.	HBLDS3SSRCJ	HBLDS6SSRCJ	HBLDS10SSRCJ
	with LEDs and Jog.	_	HBLDS6SSRCPJ	HBLDS10SSRCPJ
For sloped top	Standard	HBLDS3SSRRC	HBLDS6SSRRC	HBLDS10SSRRC
disconnect switches.	with LEDs.	HBLDS3SSRRCP	HBLDS6SSRRCP	HBLDS10SSRRCP
	with Jog switch.	HBLDS3SSRRCJ	HBLDS6SSRRCJ	HBLDS10SSRRCJ
	with LEDs and Jog.	_	HBLDS6SSRRCPJ	HBLDS10SSRRCPJ

Variable Frequency Drive Diagram



HBLDS3SSRC

When installing a disconnect in series with a VFD it is critical to include the correct auxiliary contact. Through extensive testing, Hubbell has determinted the timing of our early break auxiliary contact HBLAC2 safely disconnects the power by signaling the VFD that the motor disconnect is being turned OFF. The VFD then executes a coast-to-stop preventing any damage to the disconnect switch and the VFD output device.







HBLDS3SSRRCP

Dimensions

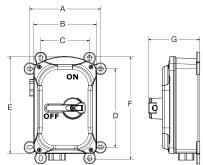
	Sloped Non-Metallic					Stainless Steel, Square Top			St	ainless S	Steel, Slop	ed Top
Key	30 inch	OA (mm)	60A/1 inch	00A (mm)	30 inch	A (mm)	60A/1 inch	00A (mm)	30 inch	A (mm)	60A/10 inch	00A (mm)
Α	6	(152)	7.75	(197)	-	-	_		-	-	_	
В	5.3	(135)	7.3	(185)	4.87	(124)	7.30	(185)	5.41	(137)	7.66	(195)
С	4.12	(105)	4.75	(121)	3.30	(84)	5.50	(140)	4.50	(114)	6.45	(164)
D	6.62	(168)	8	(203)		_		_	-	-	_	
Е	8.17	(208)	10.85	(276)	7.05	(179)	10.30	(262)	8.60	(218)	11.41	(290)
F	8.5	(216)	11	(279)	8.38	(213)	11.63	(296)	8.22	(209)	11.17	(284)
G	4.12	(105)	6.05	(154)	5.39	(137)	5.93	(151)	4.92	(125)	6.10	(155)

Horsepower Ratings

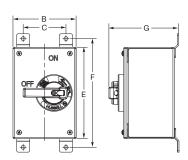
Voltage	30A	30A*	60A	100A
1Ø 120V AC	1	1	7.5	7.5
1Ø 200-240V AC	3	2.5	15	15
1Ø 480V AC	5	5	30	30
3Ø 200-240V AC	7.5	5	30	30
3Ø 480V AC	15	10	50	50
3Ø 600V AC	15	10	50	50

Note: *HBLDS33ACNK.

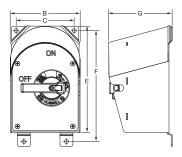
Non-Metallic Sloped Top



Stainless Steel, Square Top



Stainless Steel, Sloped Top



Circuit-Lock® Unfused Disconnect Switches

Specifications

Moisture Resistance

Flammability
Operating Temperature
UV Resistance
Dielectric Voltage

Max. Working Voltage Current Interrupting

Short Circuit Current Ratings (SCCR): (Motor Disconnect)

Indoor and Outdoor - Type 4X (Wash down, Corrosion resistant);

Indoor - 30, 60A and 100A Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).

UL94-5VA and V0 Classification.

Maximum Continuous 75°C; Minimum Continuous -40°C without impact.

All materials are UV stabilized.

Withstands 3000V AC minimum.

600V AC RMS.

Certified for current interrupting at full rated current and voltage.

- 30/60/100A: Suitable for use on a circuit capable of delivering not more than 10kA RMS symmetrical, 600V AC max.
- 30A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 30A max.
- 60/100A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 100A max.

In accordance with UL, CSA and international conventions.

Identification and ratings are part of external label.

Non-Metallic - External fully adjustable feet. Stainless Steel - Feet are fixed.

In accordance with UL 746C.

Terminal Identification Product Identification Mounting Impact Resistance

Materials		
Part	Non-Metallic	Stainless Steel
Base	PBT	#14 Gauge Type 304 Stainless Steel
Тор	PBT	#14 Gauge Type 304 Stainless Steel
Handle	PBT	PBT
Conduit Hub	Zinc 30A Unfused - ¾ in.	Zinc 30A - ¾ in.
	Zinc 60/100A Unfused - 11/4 in.	Zinc 60/100A - 1¼ in.
Enclosure Gasket	Neoprene	Neoprene
Shaft (Unfused)	PBT	PBT
Shaft Seal	Molded Neoprene	Molded Neoprene
Frame	Galvanized Steel	N/A
Enclosure Screws	Stainless Steel 300 Series	Stainless Steel







Features and Benefits

Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

- Constructed from corrosion and impact resistant UV stabilized non-metallic material
- IP69k and Type 4X,12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Cover cannot be removed with switch in the "ON" position
- Accepts up to 2 Auxiliary contacts
- Reversible interior accomodates top or bottom conduit opening



Enhanced Features:

- Adjustable mounting feet are now 40% stronger to help prevent nuisance breakage
- Product ratings are permanently laser-marked to the HBLDS3 devices and will not wash off
- Truly captive screws prevent lost screws
- Now shipped from factory as bottom feed for quicker installation in 4X applications



LED Indicators

- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases



Variable Frequency Drive (VFD)

- Integrates a verified break before break auxiliary contact factory installed in our HBLDS series
- Prevents downtime from out of sequence equipment shutdowns



Jog Switch

- Cost savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout



MotorQuick® Version

- Significantly reduces the time it takes to replace motors by combining the plugand-play technology of the LINKOSITY[®] power system
- Motor rotation can be pre-checked in a maintenance shop to further speed the installation

Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures*

	=	=	
Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS3	HBLDS6	HBLDS10
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS3AC	HBLDS6AC	HBLDS10AC
Disconnect switch for use with variable frequency drives.	HBLDS3VFD	HBLDS6VFD	HBLDS10VFD
Disconnect switch without conduit knockout or conduit fitting.	HBLDS3NK	_	_
Disconnect switch with HBLAC1 auxiliary contact without conduit knockout or conduit fitting.	HBLDS3ACNK	_	_
Disconnect switch with 3 auxiliary contacts, without conduit knockouts. Break before main break – 1 set "normally open", 1 set "normally closed". Break after main break – 2 sets "normally open", 1 set "normally closed".		_	_



HBLDS3

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS3J	HBLDS6J	HBLDS10J
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS3ACJ	_	_
Disconnect switch for use with variable frequency drives.	HBLDS3VFDJ	_	_
Disconnect switch with Jog switch and LEDs.	HBLDS3PJ	HBLDS6PJ	HBLDS10PJ



HBLDS3VFD

Unfused Disconnect Switches with LEDs*

Description	30 Amp	60 Amp	100 Amp
Non-Metallic disconnect switch with LEDs	HBLDS3P	HBLDS6P	HBLDS10P
Non-Metallic disconnect switch with HBLAC1 auxiliary contact	HBLDS3PAC	HBLDS6PAC	HBLDS10PAC

Note: *Certified by NSF, International.

LED version for use with 3Ø Y configurations only.

Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1**
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.	HBLAC2**

Note: **Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK. 30A Units are supplied with one ¾ in. NPT Raintight conduit fitting. 60A and 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.

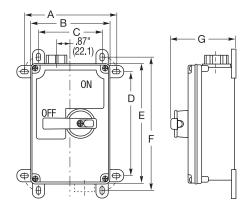


HBLDS3J

Replacement Accessories

	Switch	Mounting Feet	Ground Block	Neutral Block
For 30A switches	HBLDS3RS	HBLRFT1	HBL30RGB	HBL30RNB
For 60A switches	HBLDS60100RS	HBLRFT2	HBL60100RGB	HBL60RNB
For 100A switches	HBLDS60100RS	HBLRFT2	HBL60100RGB	HBL100RNB
	HBLDS33ACRS	HBLRFT1	HBL30RGB	HBL30RNB





Dimensions

		Labelless Non-Metallic						
)A	60A/1					
Key	inch	(mm)	inch	(mm)				
Α	6.00	(152)	7.75	(197)				
В	5.12	(130)	6.87	(175)				
С	4.12	(105)	4.75	(121)				
D	6.62	(168)	8.00	(203)				
E	7.62	(194)	9.95	(253)				
F	8.50	(216)	11.00	(279)				
G	4.12	(105)	5.94	(151)				



HBLDS3P

Plug and Play Technology

MotorQuick® significantly reduces the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system with the versatility of Circuit-Lock® motor disconnect switches. Quick disconnect terminations will reduce motor changeout time by aproximately 65%. Keeping spare motors

already pre-wired with a LINKOSITY® inlet enables wiring to be done off-line when it is convenient, not critical. Motor rotation can be pre-checked in a maintenance shop to further speed the installation. The net result is that equipment is up and running in a fraction of the time, helping improve the bottom line.







MotorQuick® Cost of Ownership Analysis

Traditional Motor Changeout

Catalog Number	Total Material Cost	Labor Cost/ Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost	
HBL1389D	\$106.00	\$53.00	1 hour	\$53.00	\$750.00	\$750.00	\$909.00	
HBLDS3	\$185.00	\$53.00	1 hour	\$53.00	\$750.00	\$750.00	\$988.00	

MotorQuick® Motor Changeout

Catalog Number	Total Material Cost	Labor Cost/ Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost	Total Savings
HBL1389MQ*	\$299.00	\$53.00	20 minutes	\$17.67	\$750.00	\$250.00	\$566.67	\$342.33
HBLDS30MQ	\$411.00	\$53.00	20 minutes	\$17.67	\$750.00	\$250.00	\$678.67	\$309.33

Note: *MotorQuick catalog numbers are based on the average cost of the various designs.





Housing Design

• Thermoplastic Cover on Plated Steel Base

- NEMA 1 Enclosure
- Pre-wired with LINKOSITY® Components
- Crush and Impact Resistance of MC Cable





Housing Design

- High Impact PBT Enclosure
- Type 4X Enclosure
- Permanent Labelless Marking
- Lockable Handle to Meet OSHA Lockout/Tagout Regulations
- Cable Ratings: TC-ER, MTW, STOOW



MotorQuick® Disconnect Switches

Motor Quick Disconnect Switches		
Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC		Catalog Number
HBL1389D with one pre-wired LINKOSITY® female receptacle (load side).		HBL1389MQR
HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side).		HBL1389MQ5
HBL1389D with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).		HBL1389MQR2
Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC		
HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side).		HBLDS30MQR
HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side).		HBLDS30MQ5
HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).		HBLDS30MQR2
Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	Sloped Top	Square Top
HBLDS3SS with one pre-wired LINKOSITY® female receptacle (load side).	HBLDS3SSRMQR	HBLDS3SSMQR
HBLDS3SS with 5 foot pre-wired LINKOSITY® female cable (load side).	HBLDS3SSRMQ5	HBLDS3SSMQ5
HBLDS3SS with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side).	HBLDS3SSRMQR2	HBLDS3SSMQR2



HBL1389MQR2



HBLDS3MQR

Accessories

Description	Catalog Number
3P 4W LINKOSITY® male receptacle for installation on motor.	RM3004PA001
3P 4W LINKOSITY® female receptacle for installation in switch.	RF3004PA001
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable.	PH3004PAxxx*
3P 4W LINKOSITY® single ended (female) 5-50 foot cable.	PF3004PAxxx*
Cord connector, ¾ in. NPT .6375 in. (16.0-19.1) diameter.	SHC1037CR
Lock-on cover for LINKOSITY® connections.	PH2030C

Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the **XXX** with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA050** = 50 foot cable.)



Note: ** Retrofit parts available for pre-existing disconnect switch installations.

Please consult factory for availability.

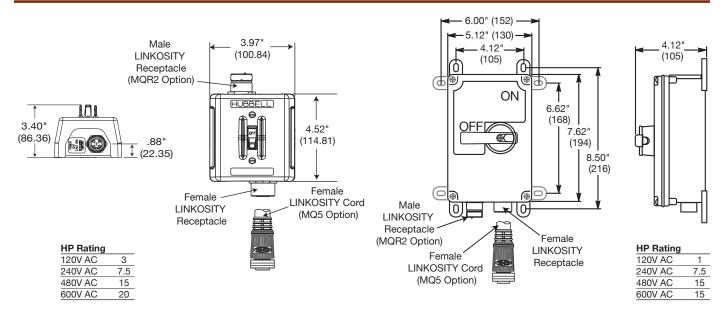


пвсоззами



PH2030C





Hubbell-PRO 30 & 60A Motor Disconnects

Hubbell-PRO motor disconnects are value engineered for commercial and light duty applications. They are available in 30A and 60A versions with optional early break auxiliary contacts for use with VFDs and other auxiliary equipment.

Features

- UL 508 / UL 60947-4-1
- HP Rated
- Type 4X, 12
- Accepts up to 2 Auxiliary Contacts
- OSHA Compliant LO/TO Handle
- Compact, Installation Friendly Enclosure



Ordering Information

				HP Rating	NO 0 NO		
Catalog Number	Amps	Description	240 3ØVAC	480 3ØVAC	600 3ØVAC	 NO & NC Aux Contacts* 	2 NO Aux Contacts*
MD30	30 Amp	Disconnect Enclosure	7.5	15	15	MDAC2	MDAC2NO
MD30XL	30 Amp	XL Disconnect Enclosure	7.5	15	15	MDAC2	MDAC2NO
MD60	60 Amp	Disconnect Enclosure	20	40	40	MDAC2	MDAC2NO

^{*}Break before main action

30 Amp Accessories

30 Amp	Catalog Number
Ground Module	MDGB
Neutral Pole	MDNB
30A Additional Pole	MD4P

60 Amp Accessories

60 Amp	Catalog Number
Ground Module	MD60GB
Neutral Pole	MD60NB

Materials

Cover	Polycarbonate
Base	Polycarbonate
Handle	Polycarbonate
Assy. Screws	Stainless Steel

Features and Benefits

Circuit-Lock® 200A Disconnect Switches

Hubbell's 200A Disconnect Switches are the latest addition to the Circuit-Lock® family of switched enclosures. The enclosures are designed to withstand harsh environments with exposure to water, chemicals, oils and frequent washdowns. Available in non-metallic or stainless steel, the enclosures are UL Listed Type 4X and 12.

- UL 98 Rated Switch
- Non-Metallic and Stainless Steel
- Type 4X, 12
- Accepts up to 2 Auxiliary Contacts
- Highly Visible Red Rotary Handle
- OSHA Compliant Lockout/Tagout Handle
- Unable to Open the Cover when ON;
 Cover Locked when Energized
- 200kA SCCR Rating when Protected by a Class "J" Fuse



Circuit-Lock® 200A Disconnect Switches

Description	Catalog Number
200A non-metallic disconnect.	HBLDS20
200A stainless steel disconnect.	HBLDS20SS
N/O auxiliary contact - "Break Before Main".	HBLAC200
200A replacement switch.	HBLDS20RS
200A replacement handle.	HBL200HDL

Materials - 200A Disconnect Switches

	Non-M	letallic	Stainless Steel		
Description	Material	Finish	Material	Finish	
Enclosure	FR Polyester	_	14 Ga. 304 SST	Smooth Grain	
Handle	Plastic	Red/Yellow	Plastic	Red/Yellow	
Switch	Plastic	_	Plastic	_	
Backplate	12 Ga. Aluminum	None	14 Ga. 304 SST	304 Ann 2B	
Terminals	Aluminum	Tin Plated	Aluminum	Tin Plated	
Fasteners	Steel	Zinc Plated	Steel	Zinc Plated	
Mounting Feet	_	_	304 SST	_	

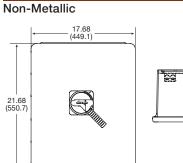
HP Ratings

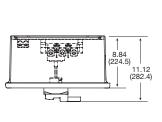
Voltage	Std HP	Max HP*
120 VAC 1Ø	1.5	10
208-240 VAC 1Ø	3.0	10
240 VAC 3Ø	7.5	75
480 VAC 3Ø	15.0	150
600 VAC 3Ø	15.0	200
120/ 208 VAC 3ØY	7.5	15
277/480 VAC 3ØY	15.0	30
347/ 600 VAC 3ØY	15.0	40

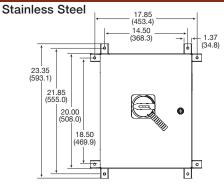
HBLDS20SS

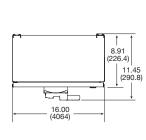
Note: *When used with time delay fuses.

Dimensions





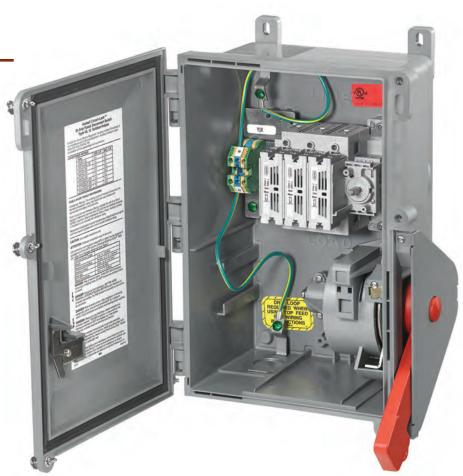




Features and Benefits

Circuit-Lock® 30 and 60 Ampere Fused Disconnect Switches

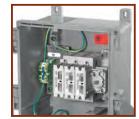
The Circuit-Lock Fused Disconnect Switch provides fused switched control of a directly wired load. The switch cannot be turned ON unless the enclosure cover is closed. The fuses cannot be accessed until the switch is turned OFF. The fuse holder accepts Class "J" fuses. This enclosure is non-metallic and is listed for Outdoor/Indoor (Type 4X Wash down, Corrosion resistant). The handle can be locked in the OFF position to comply with OSHA Lockout/Tagout regulations.





Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements
- Enclosure is molded of rugged PBT to resist abuse, corrosion and enhance safety
- Stainless steel 1/4 in. turn door fasteners for quick, easy access to fuses.



Internal Design

- Fused disconnect switches accept Class "J" fuses
- Internal frame automatically bonds all grounds
- Captured neoprene gasket provides a watertight seal between cover and base



Safety

- Enclosure door can be locked to prevent unauthorized access.
 Additionally, if the switch is ON, the door cannot be opened
- Lockable highly visible red handle to meet OSHA lockout/tagout
- Safety interlocked fuse access door



Interior

- Removable door for ease of wiring and installation
- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT



Installation

- Conduit hub and adjustable mounting feet are supplied with each Circuit-Lock[®] fused disconnect switch.
- Adjustable mounting feet (4) can be mounted in any of three positions for ease of installation



Switch

 Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.



IP66

30 and 60 Amp Fused Disconnect Switches

Description	Catalog Number
30A Circuit-Lock fused disconnect switch.	FDS30*
60A Circuit-Lock fused disconnect switch.	FDS60*

Note: *Class "J" fuses not included.

Auxiliary Contacts

Description	Black Style Switch Catalog Number	Gray Style Switch Catalog Number
Auxiliary contact, normally open, A600 pilot duty, break before break.	ACFSNO	HBLACFSNO
Auxiliary contact, normally closed, A600 pilot duty, break before break.	ACFSNC	HBLACFSNC

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble.

Replacement Switches

Description	Gray Style Switch Catalog Number
For 30A fused switches.	HBL30MIFRS
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	HBL60MIFRS

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK30
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK60

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	HBLRFT2 [△]

Note: 30A Units supplied with two 1 in. NPT raintight conduit fittings. 60A Units supplied with two 11/4 in. NPT raintight conduit fittings.

△ Package of 10 feet and 10 screws.





UL Listed, CSA Certified TYPE 4, 4X and 12 Enclosure Rating



Gray Style Switch





HBLACFSNO

Black Style Switch



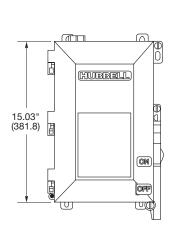


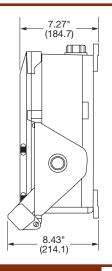
ACFSNO

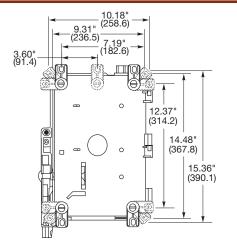


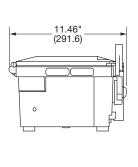
MICPK30

Dimensions









Dimensions in Inches (mm)

Horsepower Ratings

Ratings	Volts	Standard HP	Maximum HP*	Catalog Number
30A	120V AC	0.5	2	FDS30
600V AC	208-240V AC	1.5	3	
Max.	3Ø 240V AC	3	7.5	
	3Ø 480V AC	5	15	
	3Ø 600V AC	7.5	20	
	3Ø Y 120/208V AC	3	5	
	3Ø Y 277/480V AC	5	15	
	3Ø Y 347/600V AC	7.5	20	
60A	120V AC	1.5	3	FDS60
600V AC	208-240V AC	3	7.5	
Max.	3Ø 240V AC	7.5	15	
	3Ø 480V AC	15	30	
	3Ø 600V AC	15	50	
	3Ø Y 120/208V AC	7.5	15	
	3Ø Y 277/480V AC	15	30	
	3Ø Y 347/600V AC	15	40	

Note: *Requires time delay fuses.

Fuse and Short Circuit Information

Horsepower Ratings	The starting current of motors of more than the standard horsepower rating may require the use of fuses with appropriate time-delay characteristics.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle when protected by Class "J" fuses.

Note: Replacement fused switch must be the same type Hubbell switch as original and have equal or greater short circuit current withstand rating.

Circuit-Lock® Fused Disconnect Switch

Specifications	
Moisture Resistance	Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant);
	Indoor – Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous 75°C;
	Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	External fully adjustable feet.
Fuse Types	UL Listed, Class "J"; CSA Certified, HRCI-J.
Materials	
Part	Material
Base	PBT
Door	PBT
Handle	PBT
Conduit Hub	Zinc, 30A Fused – 1 in., 60A Fused – 1¼ in.
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Frame	Galvanized Steel
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series

Ratings Quick Reference Guide

Circuit-Lock® Switched Enclosures

	Description	Db	Del	100		HP 400	600	Catalog Namel
	Description	Phase		120	240	480	600	Catalog Number
30	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	HBL1389MQR
	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	HBL1389MQ5
	TYPE 1 Non-Metallic	3	3	3	7.5	15	20	HBL1389MQR2
	NEMA 1 Aluminum	1	2	2	5	10	15	HBL1372
	NEMA 1 Aluminum	3	3	3	7.5	15	20	HBL1379
	NEMA 1 Non-Metallic	1	2	2	5	10	15	HBL1392
	NEMA 1 Non-Metallic	3	3	3	7.5	15	20	HBL1389
	NEMA 3/3R Non-Metallic	1	2	2	5	10	15	HBL13R22
	NEMA 3/3R Non-Metallic	3	3	3	7.5	15	20	HBL13R23
	NEMA 3R Die Cast Aluminum	1	2	2	5	10	15	HBL13R12
	NEMA 3R Die Cast Aluminum	3	3	3	7.5	15	20	HBL13R13
	NEMA 3R Aluminum	1	2	2	5	10	15	HBL13R92
	NEMA 3R Aluminum	3	3	3	7.5	15	20	HBL13R89
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3AC
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3NK
	IP69k TYPF 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3ACNK
	IP69k TYPE 4X Labelless Non-Metallic	3	3	1	5	10	10	HBLDS33ACNK
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3MQR
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3MQ5
	TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS3MQR2
	IP69k TYPF 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SS
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSAC
	IP69k TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSAC
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSMQR
	TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSMQK
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSMQ5
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSR2K
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSRVFD
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSRAC
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSRMQ
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSRMQ
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSRMQ
	TYPE 4X Non-Metallic Fused Disconnect	3	3	1	7.5	15	20	FDS30
	NEMA 4X Stainless Steel	3	3	3	7.5	15	20	HBL13S33D
	NEMA 4X Non-Metallic	3	3	3	7.5 7.5	15	20	HBL13X33D
_								
U	NEMA 3R Aluminum	1	2	_	10	15	20	HBL16R92D
	NEMA 3R Aluminum	3	3		10	25	30	HBL16R93D
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS6
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS6AC
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS6SS
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS6SSAC
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	HBLDS6SSR
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	HBLDS6SSRVFD
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	HBLDS6SSRAC
	TYPE 4X Non-Metallic Fused Disconnect	3	3	3	15	30	40	FDS60
	NEMA 4X Stainless Steel	3	3		10	25	30	HBL16S63D
	NEMA 4X Non-Metallic	3	3	_	10	25	30	HBL16X63D
0	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS10
	IP69k TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS10AC
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS10SS
	IP69k TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS10SSAC
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	HBLDS10SSR
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	HBLDS10SSRVF
	IP69k TYPE 4X, 12 and IP69k Sloped, SS	3	3	7.5	30	50	50	HBLDS10SSRAC
20	Type 4X, 12 Non-Metallic			10	75	150	200	HBLDS20
J()					, ,	.00		











HBL16R93D



HBLDS3





HBLDS3P



HBLDS3J



HBLDS3MQR





HBLDS3SS



HBLDS3SSR



HBLDS20



HBLDS20SS



(3)

Features and Benefits

Hazardous Location Non-Fused Disconnect Switches

Hubbell's hazardous location line of non-fused disconnect switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs. These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The highly visible handles can be locked out to comply with OSHA Lockout/Tagout regulations.

Class I, Div. 1 & 2, Groups B,C,D

Class I, Zones 1 & 2, Groups IIB+ H2, IIA

Class II, Div. 1 & 2, Groups E,F,G

Class III, NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)



- Grain manufacturing and storage
- · Industrial chemical and gas manufacturing
- Petroleum refining
- Fertilizer manufacturing
- Vehicle repair/paint shops
- Coal mining
- · Cotton and fabric mills



Housing Design

- Copper-free aluminum construction with electrostatically applied polyester/ epoxy finish to prevent corrosion
- Compact NEMA 4X enclosure and footprint allows easy installation in tight locations
- Top and bottom drilled and tapped conduit entrances



Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- For use as motor disconnects



Internal Design

- Gasketed flange with O-ring located inside bolt circle to seal out moisture
- Bodies have top and bottom drilled and tapped conduit entrances for power connection



Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Large visible rotary handle with "ON-OFF" indicator allows a quick means of disconnecting power
- For use as motor disconnects



Installation

- Fewer cover bolts reduces installation and maintenance time
- Removable ductile mounting lugs adjust to irregular mounting surfaces
- 316 Stainless steel bolts



- Disconnects contain UL98 certified switch
- MI include UL508/UL60947 disconnect switch
- Optional to add one (1) N/O "Break Before Main Break" auxiliary contact



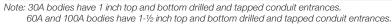


Standard Materials/Finish

- Enclosures: Copper-free aluminum (less than 4/10 of 1% copper content)
- Cover Bolts: 316 Stainless Steel
- Finish: Grey Powder Polyester painted exterior, electrostatically applied
- Ratings: 600V AC, 230V DC 30-100 Amp
- Optional to include up to one (1) N/O "Break Before Main Break" auxiliary contact

Unfused Hazardous Location Disconnect Switches







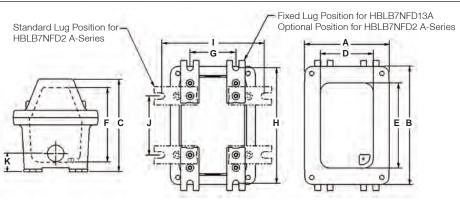
HBLB7NFD26A

Disconnect Horsepower Ratings

Switch	Single Phase HP			Three Phase HP				Terminal	Conduit		
Switch Amps/Phase	120V AC	230V AC	208V AC	230V AC	480V AC	600V AC	230V DC	Wire Size	Sizes	Catalog Number	
30A / 3P	2	5	10	10	20	30	1	#14-10	1 NPT	HBLB7NFD13A	
60A / 3P	3	7.5	20	20	40	40	10	#14-4	1½ NPT	HBLB7NFD26A	
100A / 3P	5	15	25	30	50	50	20	#8-1	1½ NPT	HBLB7NFD21A	

Dimensions

	Outside Box				Inside Box			Mounting Dimensions			
_	Α	В	С	D	E	F	G	Н	I	J	K
30 Amp	5¾	81/16	65/16	35/8	5	5	3	8	_	_	1
60 & 100 Amp	8	13	7	4	9	6	2	11	6	7	1



Non-Fused UL1686 Hazardous Location Mechanical Interlocks and Plugs

Amp	Circuit	Mechanical Interlock	Metallic Plug	Insulgrip Plug
30 Amp	2W 3P	HBLVSQ3023	HBLVP3385	HBL330PS2W
600V AC	3W 4P	HBLVSQ3034	HBLVP3485	HBL430PS2W
60 AMP	2W 3P	HBLVSQ6023	HBLVP6385	HBL360PS2W
600V AC	3W 4P	HBLVSQ6034	HBLVP6485	HBL460PS2W

Note: Early break contact comes standard with mechanical interlocks.

HBLVSQ 30 Amp models come standard with 1 inch drilled and tapped conduit openings top and bottom plus two 1 inch x ¾ inch reducers and one ¾ inch close-up plug for maximum flexibility. 60 amp models come with one 1½ inch opening on top and bottom and one 1½ inch close-up plug.

See page G-44 for Dimensions on Mechanical Interlocks and Plugs.

Horsepower Ratings (VAC)*

Amp	Circuit	120	240	480	600	Catalog Number
30 Amp	1Ø	2	5	10	15	HBLVSQ3023
_	3Ø	3	7.5	15	20	HBLVSQ3034
60 Amp	1Ø	_	10	15	20	HBLVSQ6023
_	3Ø	_	10	25	30	HBLVSQ6034

Note: *Internal switch only.



HBLVSQ3034



Features and Benefits

30A AC Manual Toggle Controllers/Disconnects

The most complete offering of Circuit-Lock® controllers rated "Suitable as Motor Disconnect" with top horsepower and high amperage ratings in such a compact device.





Ample wiring room for installation with # 10AWG In a Standard FD Box



Housing Design

- Withstands high temperatures
- Excellent dimensional stability
- Superior dielectric strength



Internal Design

- Strong ON/OFF action with quick-make, slow break operation
- Provides long-life reliability
- 10,000 Amp high fault short circuit withstand rating



Installation Efficiencies

- Slim body is 34% smaller than legacy design
- Easily fits in to FD box with #10AWG



Contacts

- Four large silver alloy contacts per pole has excellent conductivity with maximum longevity
- 100% Copper contact arm has high heat management and reliability



Installation

- #10 Brass terminal screw with clamping plate for secure back or side wiring (30A only)
- Front and back wiring steel screws and copper terminals



Switch

 Lubrication-free controller with continued ON/OFF cycling even in harsh, dust and high heat environments

600V AC Manual Toggle Controllers/Disconnects

For use in almost any industrial environment. Ideal component switch for motor control and as a disconnect. Toggle controllers can be built into equipment and enclosures for either box or panel-mount installation.

					HP			
Amp	Poles	ToggleType	Wire	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Standard	Back/Side	2	5	10	15	HBL7832
	2	Short	Back/Side	2	5	10	15	HBL7832S
	3	Standard	Back/Side	3	7.5	15	20	HBL7810
	3	Short	Back/Side	3	7.5	15	20	HBL7810S
40	2	Standard	Side	2	5	10	15	HBL7842D
	3	Standard	Side	3	7.5	15	20	HBL7843D
50	2	Standard	Side	2	5	10	15	HBL7852D
	3	Standard	Side	3	7.5	15	25	HBL7853D
60	2	Standard	Back	_	10	15	20	HBL7862D
	3	Standard	Back	_	10	25	30	HBL7863D
	2	Standard	Front	_	10	15	20	HBL7862FWD
	3	Standard	Front	_	10	25	30	HBL7863FWD
85	2	Standard	Back	_	10	15	20	HBL7882D
	3	Standard	Back	_	10	25	40	HBL7883D
Option	nal Side (Guard, for clo	se wall applica	tions and fi	nger safe e	environmen	ts.	HBLFG30*





HBL7810

HBL7843





HBL7853D

HBL7863D

Note: *For 30A, 40A and 50A controllers.

Specifications

Electrical Performance Dielectric Voltage Min. 2,200V AC minimum for 1 minute Min. 6,000 Cycles at rated switch load Electrical Life Max. Working Voltage 600V AC RMS Switches 10,000 RMS Short Circuit 30A & 40A 60A max. when protected by J fuses Withstand Rating 50A 50A max. when protected by J fuses as Motor Disconnect 60A & 85A 80A max. when protected by J fuses Short Circuit 30A 60A max when protected by RK5 fuses Withstand Rating 125A max. RK5 fuses as Motor Controlle 40A - 85A Mechanical Mechanical Life Min. 10,000 minimum cycles Switch Rating AWG Max. Terminal 30A #10 #8** Accommodations 40A & 50A 60A & 85A #4 Wire Type Solid and stranded copper wire only.

20 inch pounds

25 inch pounds

Flammability UL94HB/VO
Operating Temp. Max. 75°C
Min. -40°C continuous without impact
Listings

Terminal Torque

Switch Rating

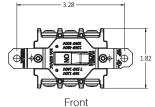
Environmental

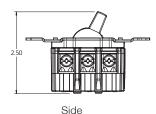
UL 508 #E70402 CSA-C22.2 No.14 LR-46186

Note: **Use listed certified ring terminal.

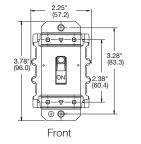
Dimensions

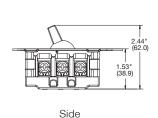
30 Amp Standard Toggles



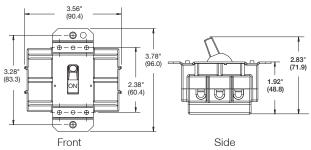


40 and 50 Amp Standard Toggles





60 and 85 Amp Standard Toggles



Dimensions in Inches (mm)

30A - 50A

60A - 85A

Industrial Control File

NEMA 1 Disconnect Switches

Housing Design

- Thermoplastic cover on a plated steel base
- Durable, non-conductive cover
- Wiring conduit knockouts
- 1/2" and 3/4" NPT
- Top, bottom or back wire entry points
- Surface mount control
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout



Housing Design

- All aluminum cover and base
- Base is pre-drilled for rear surface mounting
- Wiring conduit knockouts
- ½" and ¾" NPT
- Top, bottom or back wire entry points
- Surface mount control
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout







HBL1389D

HBL1379D

Circuit-Lock® NEMA 1 Enclosures with Switch

Ideal for use in industrial environments, i.e. conveyer systems, industrial fans, etc.

				HP F			
Amp	Poles	Enclosure Material	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Thermoplastic	2	5	10	15	HBL1392
30	3	Thermoplastic	3	7.5	15	20	HBL1389
30	2	Aluminum	2	5	10	15	HBL1372
30	3	Aluminum	3	7.5	15	20	HBL1379

Note: See page F-21 for technical information.





HBL1390

HBL1370

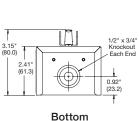
Circuit-Lock® NEMA 1 Enclosures without Switch

For use with switches shown on page F-21.

		No. Equipmen	t
Cover Material	Base Material	Grounds	Catalog Number
Thermoplastic	Steel	1	HBL1390
Aluminum	Aluminum	2	HBL1370
	Thermoplastic	Thermoplastic Steel	Thermoplastic Steel 1

Dimensions

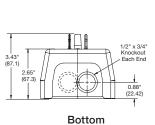
HBL1370, HBL1372 and HBL1379

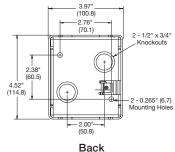




2 - 1/2" 2.75" (69.8) Knockouts -2 - 0.265" (6.7) Mounting Holes 1.50"_ Back

HBL1390, HBL1389 and HBL1392





Circuit-Lock® NEMA 3 and 3R Enclosures with Switch

Ideal for use on outdoor equipment.

Amp	Poles	Enclosure Material	Water Ingress	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Thermoplastic	3	2	5	10	15	HBL13R22
30	3	Thermoplastic	3	3	7.5	15	20	HBL13R23
30	2	Aluminum	3/3R	2	5	10	15	HBL13R12
30	3	Aluminum	3/3R	3	7.5	15	20	HBL13R13





HBL13R23

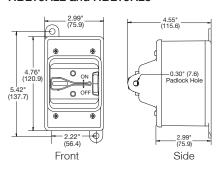
HBL13R13

Note: See page F-21 for technical information.

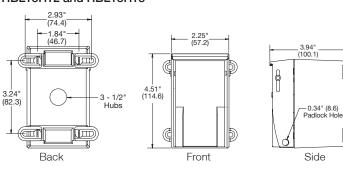
*Drill weephole to alter from NEMA 3 to NEMA 3R.

Dimensions

HBL13R22 and HBL13R23



HBL13R12 and HBL13R13



Circuit-Lock® NEMA 3R Enclosures with Switch

Ideal for use in outdoor environments.

				HP F			
Amp	Poles	Enclosure Material	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	2	Aluminum	2	5	10	15	HBL13R92
30	3	Aluminum	3	7.5	15	20	HBL13R89
60	2	Aluminum	_	10	15	20	HBL16R92D
60	3	Aluminum	_	10	25	30	HBL16R93D

Note: For switch specifications refer to page F-21.



HBL13R89

HBL16R93D

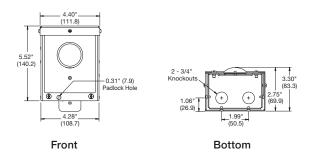
Circuit-Lock® NEMA 3R Enclosures without Switch

For use with switches shown on page F-21.

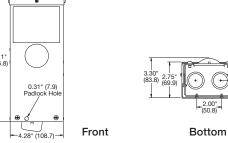
Description	Enclosure Material	Catalog Number
For use with 30A switch.	Aluminum	HBL13R90
For use with 60A switch.	Aluminum	HBL16R90

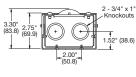
Dimensions

HBL13R90, HBL13R89 and HBL13R92



HBL16R90, HBL16R92D and HBL16R93D







HBL7810



HBL1389





4.76" (120.9) - 0.30" (7.6) Padlock Hole 2.99" (75.9) 4.55" (115.6) HBL13R23

30A 600V AC Manual Motor Controllers, Double Pole

Description	Catalog Number
30A, double pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	HBL7832
30A, double pole, single throw, AC manual motor controller, black nylon handle, short toggle.	HBL7832S
HBL7832D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	HBL1392
HBL7832D in HBL1370 metal Type 1 enclosure.	HBL1372
HBL7832D in NEMA 3R non-metallic enclosure.	HBL13R22
HBL7832D in HBL13R90 metal Type 3R enclosure.	HBL13R92
HBL7832D in NEMA 3R flip-lid enclosure.	HBL13R12

Note: See page F-21 for technical information.

30A 600V AC Manual Motor Controllers, Three Pole

Description	Catalog Number
30A, three pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	HBL7810
30A, three pole, single throw, AC manual motor controller, black nylon handle, short toggle.	HBL7810S
HBL7810D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame.	HBL1389
HBL7810D in HBL1370 metal Type 1 enclosure.	HBL1379
HBL7810D in NEMA 3R non-metallic enclosure.	HBL13R23
HBL7810D in HBL13R90 metal Type 3R enclosure.	HBL13R89
HBL7810D in NEMA 3R flip-lid enclosure.	HBL13R13
30A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure.	HBL13S33D
30A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure.	HBL13X33D

Note: See page F-21 for technical information.

Motor Rating

Product	120V AC	240V AC	480V AC	600V AC	Phase
30A Double Pole	2HP	5HP	10HP	15HP	1
30A Three Pole	3HP	7½HP	15HP	20HP	3
40A Double Pole	2HP	5HP	10HP	15HP	1
40A Three Pole	3HP	7½HP	15HP	20HP	3
50A Double Pole	2HP	5HP	10HP	15HP	1
50A Three Pole	3HP	7½HP	15HP	25HP	3
60A Double Pole	-	10HP	15HP	20HP	1
60A Three Pole	-	10HP	25HP	30HP	3
85A Double Pole	-	10HP	15HP	20HP	1
85A Three Pole	-	10HP	25HP	40HP	3







40A 600V AC Manual Motor Controllers

Description	Catalog Number
40A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7842D
40A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7843D

Note: See page F-21 for technical information.

50A 600V AC Manual Motor Controllers

Description	Catalog Number
50A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7852D
50A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7853D

Note: See page F-21 for technical information.

60A 600V AC Manual Motor Controllers

Description	Catalog Number
60A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	HBL7862D
Same as HBL7862D except front wired.	HBL7862FWD
HBL7862FWD in Type 3R enclosure.	HBL16R92D
60A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	HBL7863D
Same as HBL7863D except front wired.	HBL7863FWD
HBL7863FWD in a Type 3R enclosure.	HBL16R93D
60A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure.	HBL16S63D
60A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure.	HBL16X63D

Note: See page F-21 for technical information.

85A 600V AC Manual Motor Controllers

Description	Catalog Number
85A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	HBL7882D
85A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	HBL7883D

Note: See page F-21 for technical information.

Motor Controller Accessories

Description	Catalog Number
Finger Guards, fit 30A, 40A and 50A controllers.	HBLFG30
Auxiliary Contacts, NO/Common/NC, for use in rotary switches only.	HBLAUX







HBL16R93D



HBL16S63D

NEMA 4X Disconnect Switches

Housing Design

- Thermoplastic 4X Non-metallic enclosures
- Un-drilled case allows custom placement of wire entry
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout



Housing Design

- 304 Stainless steel enclosure chemical and corrosion resistant
- PBT handle and collar chemical and impact resistant
- Hinged cover with removable continuous pin
- Un-drilled case allows custom placement of wire entry
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout





Interior Design

- Interlocking shaft and handle prevents cover removal when switch is ON
- Poured in closed cell neoprene gasket
- Up to 2 optional auxiliary contacts for PLCs and external indicators

Circuit-Lock® NEMA 4X Enclosures with Switch and Accessories

Ideal for use in environments where wash-down is necessary, i.e. food processing, laboratories, etc.

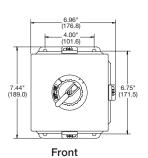


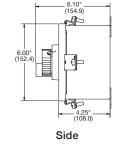
HBL16S63D	HBL13X33D
-----------	-----------

			3				
Amp	Poles	Enclosure Material	120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	Catalog Number
30	3	Stainless Steel	3	7.5	15	20	HBL13S33D
30	3	Non-Metallic	3	7.5	15	20	HBL13X33D
60	3	Stainless Steel	_	10	25	30	HBL16S63D
60	3	Non-Metallic	_	10	25	30	HBL16X63D
Finger	Guard or	otion for 30A switch.					HBLFG30
NO/Co	mon/NC	auxiliary contact, 10A	120/250V A	C for 30 and	60 Amp swi	tches.	HBLAUX

Dimensions

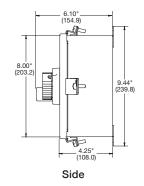
HBL13S33D





HBL16S63D







IP55 SUITABILITY

CPB Series Compact Pendant Stations, Two Button, NEMA 4X

Description	Catalog Number
Single-speed normally open-normally closed without mechanical interlock.	CPB20
Single-speed with mechanical interlock between pushbuttons.	CPB21
Single-speed with mechanical interlock between pushbuttons, black housing.	CPB21BK
Two-speed with mechanical interlock between pushbuttons.	CPB22

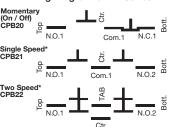
Note: Included with product: nylon cord grip and sealing washer (must be installed to achieve NEMA 4X rating).
Indication label pack. Cord dia. range .375–.625 in. (9.5–15.9)
Ambient temperatures: 25°F to 140°F (32°C to 60°C).
Typical applications: Package electric motor hoists. Remote control of machinery.

Contact Ratings, CPB Series

Single-Speed	Voltage	Current
AC	120V	6A
35% PF	240V	ЗА
DC	125V	1.1A
IND	250V	.55A
Two-Speed	Voltage	Current
AC	120V	ЗА
35% PF	240V	1.5A



CPB21 Wiring Diagram CPB2 Series



*Mechanical "floating ball" interlock prevents activating both Pushbuttons simultaneously.

PBS Series Heavy Duty Pendant Pushbutton Stations, NEMA 3R

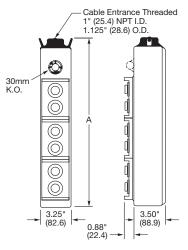
Description	Catalog Number
2 button, single speed.	PBS2
2 button, two speed.	PBS22
4 button, single speed.	PBS4
4 button, two speed.	PBS42
6 button, single speed.	PBS6
6 button, two speed.	PBS62
8 button, single speed.	PBS8
8 button, two speed.	PBS82

Product Dimensions, PBS Series

Α	Approx. Wt. Assembled	Catalog Number
7.88" (200.0)	2.5 lbs	PBS2
13.69" (347.6)	4.5 lbs	PBS4
18.0" (457.2)	5.5 lbs	PBS6
22.31" (566.7)	7.5 lbs	PBS8
	13.69" (347.6) 18.0" (457.2)	7.88" (200.0) 2.5 lbs 13.69" (347.6) 4.5 lbs 18.0" (457.2) 5.5 lbs

Note: Housing: Yellow vinyl rubber.

PBS4 PBS6



Dimensions in Inches (mm)

Contact Interrupting Ratings, PBS Series

Two-Speed Single Break	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	.4A
IND	250V	.2A
Single-Speed Double Break	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	1.1A
IND	250V	.55A





PG2

PG6





MS2

MS5



TB







PBSLP

PBSBC



PBSPL1



Replacement Inserts

When the insert switches are in need of replacement, simply unplug the old insert and plug in a new one.

Description	Catalog Number
Single speed insert momentary N.O. and N.C.	PG2
ON-OFF insert (no mechanical interlock). Momentary, start-stop, reset-stop.	PG6
2 or 3 speed insert, momentary. Used to a maximum of 3 speed points.	MS2
5 speed insert, momentary. Used to a maximum of 5 speed points. For five speed applications replace an existing terminal board with the TB5 terminal board and replace an existing insert with the five speed (MS5) insert.	MS5

Conversion Inserts

In addition to single speed and two speed applications, pre-assembled units can be adapted to handle other applications.

Description	Catalog Number
Terminal board, required for each insert switch PG2, PG6 and MS2.	TB2
Terminal board, required for insert switch MS5.	TB5

Accessories

Description	Catalog Number
Indicator labels for replacement package contains 1 each: hoist, trolley, bridge, forward-reverse, raise-lower, in-out, right left, east-west, north-south, reset-stop, start-stop, power, main hoist, auxuliary hoist, ON-OFF, up-down.	PBSLP
Rubber button cover for replacement purposes.	PBSBC
120V red pilot light for 4, 6, and 8 button units only.	PBSPL1*

Note: *Each pendant station can accommodate one of the pilot light in the 1.20 in. (30.6) diameter mounting hole.

Kellems® Deluxe Aluminum Cord Fitting

Outdoor or indoors where subject to moisture, splash or submersion. Kellems grips provide strain relief for multi-conductor cable.

Description	Cord Range	Catalog Number
Kellems grip.	.750"875" (19-22.2)	07401023
Kellems grip.	.875"-1.00" (22.2-25.4)	07401025

SECTION G









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Products at a Glance



Advantage[™] Series Pin and Sleeve Switch-Rated Devices

- Advantage[™] series devices are approved as disconnecting means for both motor circuitry and branch circuits
- Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments



IEC Watertight Devices

- Provide safe and dependable performance in the most demanding environments
- Heavy duty non-conductive nylon construction provides impact and corrosion protection
- Thermoset polyester contact carriers withstand high temperatures and provide resistance to electrical tracking



Corrosion Resistant Devices

- This superior grade of IEC and Insulgrip devices are ideal for the most demanding environments
- Nickel-plated brass on the IEC and nickelplated Tellurium copper on the Insulgrip contacts prevent corrosion and heat rise



Hubbell-PRO Commercial Pin and Sleeve

- Value engineered to balance price and performance
- Complete offering of IP44 and IP67 devices
- Multiple installation efficiencies include Edge screwless terminations



Insulgrip® NEMA 4X UL 1686 C1 Devices

- Metallic where you want it and non-metallic where you need it
- This tough product line is NEMA 4X rated for use in the harshest environments
- Devices are fully interchangeable with other manufacturers of UL1686 C1 devices



Circuit-Lock® Mechanical Interlocks

- IEC pin and sleeve devices are color coded by voltage for easy identification
- Available in either fused or non-fused versions
- IEC reverse service units available for safely connecting generators



Back Boxes and Accessories

- A complete line of metallic and nonmetallic back boxes, angle adapters, closure caps and liquidtight adapters are available
- Accessories aid with installation efficiencies and support the various applications in which the products are used



Hazardous Location Devices

- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
- Large visible rotary handle with ON/OFF indicator allows a quick means of disconnecting power

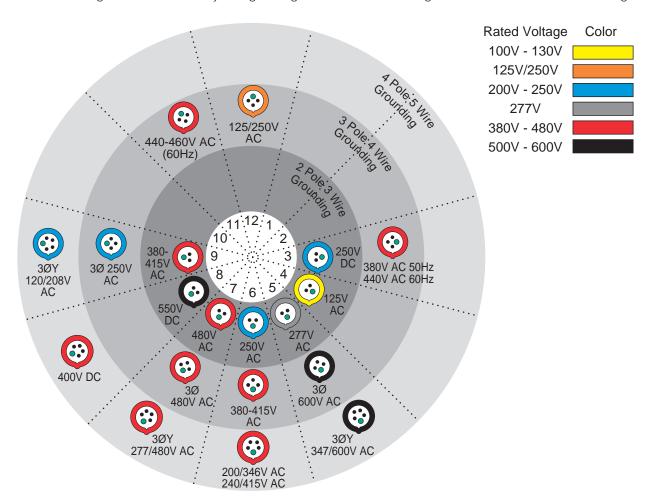
IEC Configurations Chart

Singly Rated Configurations

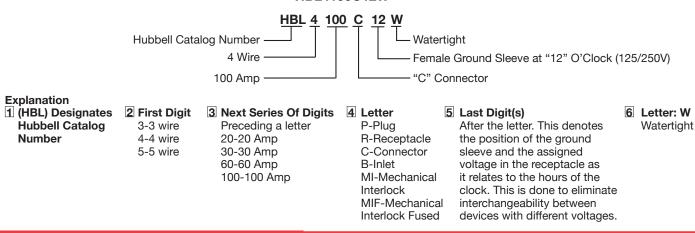
Hubbell Pin and Sleeve products are designed and manufactured to meet the International Standard IEC 60309-1 and IEC 60309-2. This device standard calls out a singly rated, non-interchangeable configuration for every voltage and type of service throughout the world. Pin and sleeve device housings are color coded by voltage rating.

Voltage

The voltage is determined by the location of the female ground contact relative to the housing keyway. Simply by manufacturing the device with a ground contact in a certain "clock" position, the device will be rated for a particular voltage system. The diagram shows the keying position and the color coding that is associated with each voltage.



Typical IEC Pin and Sleeve Catalog Number



HBL4100C12W







Features and Benefits

Advantage™ Series Pin and Sleeve Switch-Rated

Hubbell Wiring Device-Kellems Advantage™ Series Pin and Sleeve Switch-Rated Devices are IEC 60309-2 compatible devices that are approved as a disconnecting means for motor and branch circuits. Compact design, this device is similar in size to standard IEC 60309-2 devices. Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments. Stainless steel hardware provides superior corrosion resistance in wet and harsh environments Receptacles mount to standard Hubbell IEC Pin and Sleeve back boxes.





Housing Design

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- IEC pin and sleeve devices are color coded by voltage for easy identification



Heavy Duty External Cord Grips

- Provides maximum cord retention to maintain unstressed terminations
- Pocketed recess for screws deters slippage of the screwdriver and are conveniently located on the same side for easy installation



Ease of Use

 Ergonomic design puts the Advantage™ into the palm of your hands with the easy-to-use leverage grip design from Hubbell



Spring-Loaded Cover

- Spring-loaded to the open position, reminding users that the cover must be secured to ensure maximum ingress protection
- Impact resistant cover arm compact and durable internal swing arm is fully shrouded protecting it from damage



Spring-Loaded Disconnect Button

• Oversized for easy actuation with gloved hands



Full Line of Accessories

- Advantage series receptacles have same mounting pattern as our standard receptacles, for non-metallic and metallic back boxes (see page G-14)
- Full offering of liquidtight adapters (see page G-15)







Features and Benefits

Advantage™ Series Pin and Sleeve Switch-Rated

The Advantage™ Series has a UL witnessed IP69k and 4X,12 environmental rating, two power-indicating LEDs, continuous ground engagement, labelless laser markings and a compact and ergonomic design.

Hubbell's Pin and Sleeve connections have always been safe – that hasn't changed. The Advantage™ series simply has more... Advantages.



The Hubbell Advantages



Sleek and Modern Design

 The ergonomic device is easy to keep clean making it ideal for hygienic food processing facilities





Permanent Labelless Markings

 Product ratings are laser-marked into the device and will not wash off for easy permanent identification





Continuous Ground Engagement

 Unswitched feed-through ground pin is first-to-make and last-to-break followed by switched neutral and phase contact(s)





Superior Water Ingress Protection

 UL witnessed IP69k and UL Type 4X and 12. Device is built to withstand wet and harsh environments





IEC 60309 Singularly Rated Device

 Mates with existing installed base of IEC 60309-2 pin and sleeve devices.
 Color coded by voltage for easy identification of mating devices





Power Indicating LED Lights

 Highly visible and long lasting green LED lights on both sides of the device provide visual verification of power when connected









Rating						Accessories					
Amno	Poles and Wires	Configu Recep./ Conn.	uration Plug/ Inlet	AC Valtaga	Connector	Pagentrals	HP	Mating Diva**	IP67 Inlet	Back Boxes	Cleaves Capa
Amps 30	2P 3W	COIII.	©	AC Voltage	Connector HBLS330C4W	Receptacle HBLS330R4W	2	Mating Plug** HBL330P4W	HBL330B4W	BB2030N	Closure Caps PC3430
32	2P 3W		<u></u>	100-130V	HBLS332C4W	HBLS332R4W	2	HBL332P4W	HBL332B4W	BB2030N	PC3430
		<u> </u>		250V	110203320411	TIBLOSSER		11023321 444	1100020444	BB203014	1 00400
30	2P 3W 2P 3W		(i) (ii) (iii)	220-240V	HBLS330C6W*	HBLS330R6W*	5	HBL330P6W*	HBL330B6W*	BB2030N	PC3430
30			©	480V	HBLS330C7W	HBLS330R7W	10	HBL330P7W	HBL330B7W	BB2030N	PC3430
			<u>©</u>	125/250V	HBLS430C12W	HBLS430R12W	2	HBL430P12W	HBL430B12W	BB2030N	PC3430
30		~		3Ø 250V	HBLS430C12W	HBLS430R9W*		HBL430P9W*	HBL430B9W*	BB2030N	PC3430
30/32	3P 4W		<u> </u>				10				
30			<u> </u>	3Ø 480V	HBLS430C7W	HBLS430R7W	20	HBL430P7W	HBL430B7W	BB2030N	PC3430
30	3P 4W		<u>©</u>	3Ø 600V	HBLS430C5W	HBLS430R5W	30	HBL430P5W	HBL430B5W	BB2030N	PC3430
30/32	3P 4W		③	380-415V	HBLS430C6W*	HBLS430R6W*	7.5	HBL430P6W*	HBL430B6W*	BB2030N	PC3430
32	3P 4W		③	380-440V	HBLS432C3W	HBLS432R3W	10	HBL432P3W	HBL432B3W	BB2030N	PC3430
30	4P 5W			3ØY 347/600V	HBLS530C5W	HBLS530R5W	30	HBL530P5W	HBL530B5W	BB2030N	PC530
30	4P 5W		③	200/346- 240/415V	HBLS530C6W*	HBLS530R6W*	7.5	HBL530P6W*	HBL530B6W*	BB2030N	PC530
32	4P 5W		③	220/380V 240/415V			1.0			2220011	. 5555
30	4P 5W		③	3ØY 277/480V	HBLS530C7W	HBLS530R7W	20	HBL530P7W	HBL530B7W	BB2030N	PC530
30/32	4P 5W		③	3ØY 120/208V	HBLS530C9W*	HBLS530R9W*	10	HBL530P9W*	HBL530B9W*	BB2030N	PC530
60	2P 3W		©	125V	HBLS360C4W	HBLS360R4W	3	HBL360P4W	HBL360B4W	BB60N	PC60
60	2P 3W		③	250V	IIDI COCOCCINA	LIDI COCODOM/*	7.5	LIDI 200DCW#	LIDI 200DCW*	DDCON	DOCO
63	2P 3W		③	220-240V	HBLS360C6W*	HBLS360R6W*	7.5	HBL360P6W*	HBL360B6W*	BB60N	PC60
60	2P 3W		③	480V	HBLS360C7W	HBLS360R7W	15	HBL360P7W	HBL360B7W	BB60N	PC60
60	3P 4W		③	125/250V	HBLS460C12W	HBLS460R12W	3	HBL460P12W	HBL460B12W	BB60N	PC60
60/63	3P 4W		③	3Ø 250V	HBLS460C9W*	HBLS460R9W*	10	HBL460P9W*	HBL460B9W*	BB60N	PC60
60			©	3Ø 480V	HBLS460C7W	HBLS460R7W	30	HBL460P7W	HBL460B7W	BB60N	PC60
60	3P 4W		©	3Ø 600V	HBLS460C5W	HBLS460R5W	40	HBL460P5W	HBL460B5W	BB60N	PC60
60/63			③	380-415V	HBLS460C6W*	HBLS460R6W*	10	HBL460P6W*	HBL460B6W*	BB60N	PC60
60	4P 5W		©	3ØY 347/600V	HBLS560C5W	HBLS560R5W	40	HBL560P5W	HBL560B5W	BB60N	PC60
60/63	4P 5W		③	200/346- 240/415V	HBLS560C6W*	HBLS560R6W*	10	HBL560P6W*	HBL560B6W*	BB60N	PC60
60	4P 5W		©	3ØY 277/480V	HBLS560C7W	HBLS560R7W	30	HBL560P7W	HBL560B7W	BB60N	PC60
60/63	4P 5W		③	3ØY 120/208V	HBLS560C9W*	HBLS560R9W*	10	HBL560P9W*	HBL560B9W*	BB60N	PC60

Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.

^{**}Mating plug or inlet required to maintain 4X/IP69k ratings when used with ADVANTAGE™ series connections. ADVANTAGE™ series receptacles have the same mounting pattern as standard Hubbell IEC pin and sleeve. See page G-28 for back boxes and G-29 for accessories.







	Rating		Pin and Sleeve Devices					Accessories		
Amps	Poles Configuration and Recep./ Plug/ Wires Conn. Inlet	AC Voltage	Connector	Receptacle	HP	Mating Plug**	Inlet**	Back Boxes	Closure Caps	
100	3P 4W 🐷	3Ø 600V	HBLS4100C5W	HBLS4100R5W	50	HBL4100P5W	HBL4100B5W	BB100N	PC100	
100	3P 4W 🚳 🔘	380-415V	HBLS4100C6W*	HBLS4100R6W*	15	HBL4100P6W	HBL4100B6W	BB100N	PC100	
100	3P 4W 🕲 🔘	3Ø 480V	HBLS4100C7W	HBLS4100R7W	40	HBL4100P7W	HBL4100B7W	BB100N	PC100	
100	3P 4W 💿 🔘	3Ø 250V	HBLS4100C9W*	HBLS4100R9W*	15	HBL4100P9W	HBL4100B9W	BB100N	PC100	
100	3P 4W 💿 🔘	125/250V	HBLS4100C12W	HBLS4100R12W	10; 3	HBL4100P12W	HBL4100B12W	BB100N	PC100	
100	4P 5W 🚳 🔘	3ØY 347/600V	HBLS5100C5W	HBLS5100R5W	50	HBL5100P5W	HBL5100B5W	BB100N	PC100	
100	4P 5W 🕲 🕲	200/346- 240/415V	HBLS5100C6W*	HBLS5100R6W*	15	HBL5100P6W	HBL5100B6W	BB100N	PC100	
100	4P 5W 🕲 👿	3ØY 277/480V	HBLS5100C7W	HBLS5100R7W	40	HBL5100P7W	HBL5100B7W	BB100N	PC100	
100	4P 5W 🔞 🔞	3ØY 120/208V	HBLS5100C9W*	HBLS5100R9W*	15	HBL5100P9W	HBL5100B9W	BB100N	PC100	

Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.

**Mating plug or inlet required to maintain 4XIP69k ratings when used with ADVANTAGE™ series connections.

Advantage™ Pin and Sleeve Communication Circuit

Hubbell's innovative Advantage™ Series Switch-Rated pin and sleeve are available with three optional Control Contacts. These break before main contacts can be used to communicate with auxiliary devices such as PLCs and VFDs.

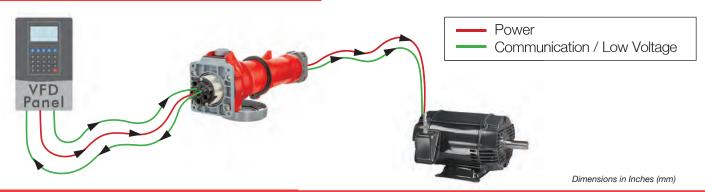
Control circuit versions are available in 3 pole 4 wire configurations and have a voltage range of 125V up to 600V. To help support facility control, the oversized ground contact is clocked at either 5 or 7 o'clock to help prevent mismating of unlike voltages.





		Rati	ng			P	in an	d Sleeve Devices	•		
	Poles And	Configu	uration								
١.	Wires	Recep./	Plug/	401/1							4
Amps		Conn.	Inlet	AC Voltage	Connector	Receptacle	HP	Mating Plug	IP67 Inlet	Back Boxes	Closure Caps
30	3P 4W		③	Max 600V AC	HBLS430C7WC	HBLS430R7WC	20	HBL430P7WC	HBL430B7WC	BB2030N	PC530
30	3P 4W			Max 600V AC	HBLS430C5WC	HBLS430R5WC	30	HBL430P5WC	HBL430B5WC	BB2030N	PC530
60	3P 4W		③	Max 600V AC	HBLS460C7WC	HBLS430R7WC	30	HBL460P7V02	HBL460B7WC	BB60N	PC60
60	3P 4W		©	Max 600V AC	HBLS460C5WC	HBLS430R5WC	40	HBL460P5WC	HBL460B5WC	BB60N	PC60

Wiring Schematic







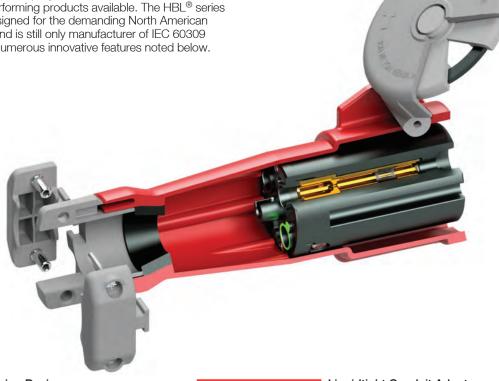


TYPE 4X, 12

Features and Benefits

Watertight Devices

Hubbell's IEC 60309 Pin and Sleeve plugs, connectors, inlets and receptacles are the highest performing products available. The HBL® series of IEC pin and sleeve were designed for the demanding North American market. Hubbell was the first and is still only manufacturer of IEC 60309 devices in the USA and have numerous innovative features noted below.





Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically



Liquidtight Conduit Adapters

 Aluminum or non-metallic adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector



Powerful Mechanical Cord Grip

- Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations
- Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention



Sequential Contact Engagement

- Ground makes first and breaks last. Neutral makes second and breaks second (to prevent a momentary over-voltage on components connected phase to neutral)
- Phase contacts make last and break first



Watertight Cord Entrance

- The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord
- Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance



Multi-Contact Spring

- (60/63 and 100/125 Amp) Recessed within the female sleeve, provides and maintains high unit pressure on mating pins to minimize temperature rise
- Broaches oxide film to achieve low resistance contact for cooler operation



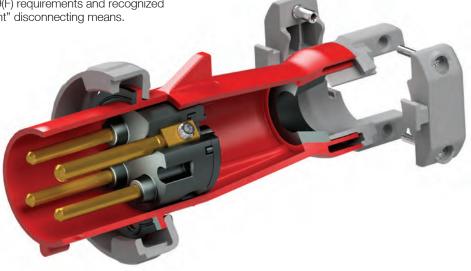




Features and Benefits TYPE 4X, 12

Watertight Devices

The IEC line of plugs and connectors are made with a rugged super tough, one-piece housing. The thermoset polyester contact carrier provides a high resistance to electrical tracking. They withstand higher temperatures which may result from overload or arcing. The heavy-duty, external cord grip provides superior strain relief on the conductors. Hubbell's horsepower rated plugs and receptacles meet NEC 430.109(F) requirements and recognized as an approved disconnecting/"line of sight" disconnecting means.





Housing Design

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- Amperage/voltage rating and catalog number molded in housing for easy identification



Shrouded Pins

- Super tough plug shroud protects pins from deforming from physical abuse
- Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts
- Solid one-piece pins, machined from solid brass for longer life and reliable electrical contact



Safety

 Lockout/Tagout, tapered opening on plug shroud accommodates up to % inch (9.7mm) lock shackle diameter



Thermoset Polyester Contact Carrier

- Molded thermoset polyester provides high resistance to electrical tracking
- Withstands higher temperatures which may result from overload or arcing
- Thermoset properties provide dimensional stability for this critical assembly



Cord Grips

 Heavy duty external cord grips provide maximum cord retention to maintain secure terminations



Swivel Pressure Pads

 16/20 and 30/32 Amp devices feature patented swiveling pressure pad terminal screws and prevent damage to conductor strands. 60/63 and 100/125 Amp devices feature large hex-head stainless steel screws which provide higher torque levels for secure terminations









Rating				Watertight Devices					ccessories	TYPE 4X, 12 Replacement Interiors		
		Haurig			Watertigi	it Devices			CCCSSOTICS	,	neplaceme	ent interiors
	Poles	Configuration				0		Page	Payer	Cleause	Second (Diver
Amps	and Wires	Recep./ Plug/ Conn. Inlet	AC Voltage	Receptacle	Plug	Connector	Inlet	Non-Metall	Boxes ic Metallic*	Closure Caps	Recep./ Conn.	Plug/ Inlet
16	2P 3W		100-130V	HBL316R4W	HBL316P4W	HBL316C4W	HBL316B4W [†]	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	2P 3W		125V	HBL320R4W	HBL320P4W	HBL320C4W	HBL320B4W	BB2030N	BB201W BB301W	PC320	IN320AF	IN320AM
16/20	2P 3W		220-240V 250V	HBL320R6W	HBL320P6W	HBL320C6W	HBL320B6W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	2P 3W		480V	HBL320R7W	HBL320P7W	HBL320C7W	HBL320B7W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	3P 4W		125/250V	HBL420R12W	V HBL420P12W	HBL420C12W	HBL420B12W	BB2030N	BB201W BB301W	PC420	IN420CF	IN420CM
10/00	3P 4W		380-415V	HBL420R6W	HBL420P6W	HBL420C6W	HBL420B6W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
16/20	3P 4W		3Ø 250V	HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
20	3P 4W		3Ø 480V	HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
20	3P 4W		3Ø 600V	HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
10/00	4P 5W		220/380V 240/415V	HBL520R6W	HBL520P6W	HBL520C6W	HBL520B6W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
16/20	4P 5W		3ØY 120/208V	HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
20	4P 5W		3ØY 277/480V	HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
20	4P 5W		3ØY 347/600V	HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W	BB2030N	BB201W BB301W	PC520	IN520EF [†]	IN520EM
30	2P 3W		125V	HBL330R4W	HBL330P4W	HBL330C4W	HBL330B4W	BB2030N	BB201W BB301W	PC3430	IN330AF	IN330AM†
30/32	2P 3W		220-240V 250V	HBL330R6W	HBL330P6W	HBL330C6W	HBL330B6W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
30	2P 3W		480V	HBL330R7W	HBL330P7W	HBL330C7W	HBL330B7W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
30	3P 4W		125/250V	HBL430R12W	V HBL430P12W	HBL430C12W	HBL430B12W	BB2030N	BB201W BB301W	PC3430	IN430CF	IN430CM
00/00	3P 4W		380-415V	HBL430R6W	HBL430P6W	HBL430C6W	HBL430B6W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30/32	3P 4W		3Ø 250V	HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30	3P 4W		3Ø 480V	HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30	3P 4W		3Ø 600V	HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
08/05	4P 5W		220/380V 240/415V	HBL530R6W	HBL530P6W	HBL530C6W	HBL530B6W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
30/32	4P 5W		3ØY 120/208V	HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
30	4P 5W		3ØY 277/480V	HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
30	4P 5W		3ØY 347/600V	HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
32	2P 3W		100-130V	HBL332R4W	† HBL332P4W†	HBL332C4W [†]	HBL332B4W [†]	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
32	3P 4W		380V 50Hz 440V 60Hz	HBL432R3W	HBL432P3W	HBL432C3W	HBL432B3W [†]	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
-												

Note: See page G-28 and G-29 for back boxes and accessories, G-34 and G-35 for product dimensions, G-14 and G-15 for product specifications and HP ratings. See page G-29 for closure caps, purchased separately. PC320, PC420, PC520, PC3430, PC530 are not UL or CSA.

See 20, 30, 60 & 100 amp offering for additional dual rated devices for use at either 16A or 20A, 30A or 32A, 60A or 63A and 100A or 125A.

^{*}These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.







		Ratir	na .			Watertigh	t Devices		A	ccessorie	S	TYPE -	ent Interiors
	Poles	Configur											
Amps	and Wires	Recep./ Conn.	Plug/ Inlet	AC Voltage	Receptacle	Plug	Connector	Inlet		k Boxes allic Metallic*	Closure Caps	Recep./ Conn.	Plug/ Inlet
60	2P 3W		©	125V	HBL360R4W	HBL360P4W	HBL360C4W	HBL360B4W	BB60N	BB601W BB602W	PC60	IN360AF	IN360AM
60/63	2P 3W		②	220-240V 250V	HBL360R6W	HBL360P6W	HBL360C6W	HBL360B6W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM†
60	2P 3W		③	480V	HBL360R7W	HBL360P7W	HBL360C7W	HBL360B7W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM†
60	3P 4W			125/250V	HBL460R12W	HBL460P12W	HBL460C12W	HBL460B12W	BB60N	BB601W BB602W	PC60	IN460CF	IN460CM
60/62	3P 4W		③	380-415V	HBL460R6W	HBL460P6W	HBL460C6W	HBL460B6W	BB60N	BB601W BB602W	PC60	IN460DFS	IN460DMS
60/63	3P 4W		③	3Ø 250V	HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60	3P 4W			3Ø 480V	HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60	3P 4W			3Ø 600V	HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
CO/CO	4P 5W			220/380V 240/415V	HBL560R6W	HBL560P6W	HBL560C6W	HBL560B6W	BB60N	BB601W BB602W	PC60	IN560EFS†	IN560EMS
60/63	4P 5W		③	3ØY 120/208V	HBL560R9W	HBL560P9W	HBL560C9W	HBL560B9W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM [†]
60	4P 5W			3ØY 277/480V	HBL560R7W	HBL560P7W	HBL560C7W	HBL560B7W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM [†]
60	4P 5W			3ØY 347/600V	HBL560R5W	HBL560P5W	HBL560C5W	HBL560B5W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM [†]
100	2P 3W		(1)	125V	HBL3100R4W	HBL3100P4W	HBL3100C4W	HBL3100B4W	BB100N	BB1001W BB1002W	PC100	IN3100AF	IN3100AM
100	2P 3W		③	250V	HBL3100R6W	HBL3100P6W	HBL3100C6W	HBL3100B6W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM†
100	2P 3W		(3)	480V	HBL3100R7W	HBL3100P7W	HBL3100C7W	HBL3100B7W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM†
100	3P 4W			125/250V	HBL4100R12W	/ HBL4100P12W	HBL4100C12W	HBL4100B12W	BB100N	BB1001W BB1002W	PC100	IN4100CF [†]	IN4100CM
100/	3P 4W		③	380-415V	HBL4100R6W	HBL4100P6W	HBL4100C6W	HBL4100B6W	BB100N	BB1001W BB1002W	PC100	IN4100DFS	IN4100DMS
125	3P 4W		③	3Ø 250V	HBL4100R9W	HBL4100P9W	HBL4100C9W	HBL4100B9W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100	3P 4W		(3)	3Ø 480V	HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100	3P 4W			3Ø 600V	HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100/	4P 5W		③	220/380V 240/415V	HBL5100R6W	HBL5100P6W	HBL5100C6W	HBL5100B6W	BB100N	BB1001W BB1002W	PC100	IN5100EFS	IN5100EMS
125	4P 5W		③	3ØY 120/208V	HBL5100R9W	HBL5100P9W**	HBL5100C9W	HBL5100B9W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
100	4P 5W		③	3ØY 277/480V	HBL5100R7W	HBL5100P7W	HBL5100C7W	HBL5100B7W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
100	4P 5W			3ØY 347/600V	HBL5100R5W	HBL5100P5W	HBL5100C5W	HBL5100B5W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM

Note: See page G-28 and G-29 for back boxes and accessories, G-34 and G-35 for product dimensions, G-14 and G-15 for product specifications and HP ratings.

See page G-29 for closure caps, purchased separately. PC60 and PC100 are not UL or CSA.

*These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

**Short housing plug HBL5100P9WSH. IP22 suitability.

[†]Consult factory.









Corrosion Resistant Devices that Withstand the Most Abusive Environments

Hubbell offers a superior grade of 100A IEC Pin and Sleeve designed for use in the most demanding environments. These devices feature nickel plated solid brass pins for long life and reliable electrical contact in the most corrosive environments. They have a high visibility yellow supertough nylon housing. The heavy duty external cord clamps provide maximum cord retention to maintain secure terminations. The screws and fasteners are made from stainless steel.









- Food Processing
- Factory

- Water Treatment
- Washdown
- Temporary Power
- Meat Packing
- Construction
- Agriculture
- Outdoor Entertainment

Standard Service

		Ra	iting			Watertight Device	ces		Accessorie	s
Amps	Poles And Wires	Configu Recep./ Conn.	uration Plug	AC Voltage	Receptacle	Plug	Connector	Baci Non-Metalli	k Boxes c Metallic*	Closure Caps
100	3P 4W		③	125/250V	M4100R12	M4100P12	M4100C12	BB100N	BB1001W BB1002W	PC100
	4P 5W		③	3ØY 120/208V	M5100R9	M5100P9	M5100C9	BB100N	BB1001W BB1002W	PC100
	4P 5W			3ØY 277/480V	M5100R7	M5100P7	M5100C7	BB100N	BB1001W BB1002W	PC100

"Reverse Service"

		Ra	iting			Watertigh	t Devices		Accessorie	s
Amps	Poles And Wires	Configu Conn.	uration Inlet	AC Voltage	Inlet	Plug	Connector	Bac Non-Metalli	k Boxes	Closure Caps
100	3P 4W		(3)	125/250V	M4100B12R	_	M4100C12R	BB100N	BB1001W BB1002W	PC100
	4P 5W		③	3ØY 120/208V	M5100B9R	_	M5100C9R	BB100N	BB1001W BB1002W	PC100
	4P 5W		③	3ØY 277/480V	M5100B7R	_	M5100C7R	BB100N	BB1001W BB1002W	PC100

Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint. See page AA-19 for corrosion resistant cord sets.

TYPE 4X, 12







Data Center DC Rated Pin and Sleeve Devices

In today's environmentally conscious world, energy savings is a pinnacle part of going green. DC (Direct Current) is being used to reduce power consumption and decrease the amount of infrastructure needed to energize specific types of data center equipment. Electrical devices provide a means of connecting DC power.

Hubbell is the first manufacturer to introduce a series of IEC Pin and Sleeve devices configured for the UL1686 eight o'clock ground position for DC voltage (Disconnecting use only). Hubbell's IEC DC rated pin and sleeve line has been qualified by UL to the requirements of DC voltage. The thermoset polyester contact carrier provide high resistance to electrical tracking, it withstands higher temperatures for this type of demanding application. The solid one-piece pins are machined from solid brass for longer life and reliable electrical contact. In addition, the heavy-duty external cord grips provide maximum cord retention to maintain secure terminations. Finally, the super tough, color coded, non-conductive V-0 rated PBT housing is heavy duty for safety and protecting the internal components.



		R	Rating			Watertight Devices	
Amps	Poles And Wires	Configu Recep./ Conn.	uration Plug	DC Voltage	Receptacle	Plug	Connector
30	2P 3W		③	550V	HBL330R8WDC	HBL330P8V0DC	HBL330C8V0DC
60	2P 3W		③	550V	HBL360R8WDC*	HBL360P8V0DC	HBL360C8V0DC
100	2P 3W		③	550V	HBL3100R8WDC	HBL3100P8V0DC	HBL3100C8V0DC
	4P 5W			400V	HBL5100R8WDC	HBL5100P8V0DC	HBL5100C8V0DC

Note: *Inlet available - HBL360B8WDC.

Dual Certified Pin and Sleeve Devices

TYPE 4X, 12







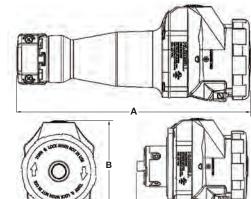


Hubbell's dual certified pin and sleeve devices are ideal for the data center and high tech server industry. They are UL Listed to UL1682 for the North American market and are UL Classified Certified for the European and International market. Customers can use the same plug and connector for multiple electrical configurations. They reduce the number of SKU's end users have to use if they sell to both domestic and overseas customers. These devices are IP67 rated, RoHs compliant and showcase all the inherent safety benefits of their V-0 rated PBT housing and internal components.

		Ra	ating			Watertigl	nt Devices	
Amps	Poles And Wires	Configu Recep./ Conn.	ıration Plug	AC Voltage	Receptacle	Pho	Connector	Inlet
30/32				/ to voltage	песеріасіе	Plug	Connector	IIIIet
30/32	3P 4W		③	380-415V	HBL430R6V02	HBL430P6V02	HBL430C6V02	HBL430B6V02
	4P 5W			200/346V 240/415V	HBL530R6V02	HBL530P6V02	HBL530C6V02	HBL530B6V02
60/63	3P 4W		③	380-415V	HBL460R6V02	HBL460P6V02	HBL460C6V02	HBL460B6V02
	4P 5W			200/346V 240/415V	HBL560R6V02	HBL560P6V02	HBL560C6V02	HBL560B6V02

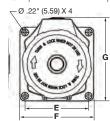
Advantage Series Specifications

Temperature Rise	< 30°C
Dielectric Voltage	Min 2,200V AC
Electrical Life	Min 6,000 Cycles at rated switch load (p.f.= .7580)
Max Working Voltage	600V AC
Current Interrupting	Certified for current interrupting at full rated current and voltage
Horsepower Locked Rotor Test	50 Operations at 600% of full load motor current (p.f.= .4050)
Short Circuit	100kA when protected by Class J fuse. Also
	125A RK1 fuse for 100A devices only
Endurance	Min 10,000 mating cycles
Flammability	V-0
Operating Temperature	Max Continuous +75°C; Min continous -40°C
Environmental	Type 4X, 12 and IP69k
UV Resistance	All materials are UV stabilized



Dimensions

	А	В	С	D	Е	F	G
Description	Conne	ector			Receptacle		
30A	9.9" (251.5)	4.5" (114.3)	1.06" (27.2)	3.83" (97.3)	3.13" (79.4)	3.75" (95.2)	4.5" (114.3)
60A	12.22" (310.4)	5.17" (131.3)	1.85" (47.0)	4.77" (121.2)	3.88" (98.6)	4.52" (114.8)	5.09" (129.3)
100A	15.89" (403.6)	5.63" (142.9)	3.08" (78.2)	5.03" (127.6)	4.87" (123.7)	5.63" (142.9)	5.88" (149.3)



S		· · ·
Material	Part	Material
	Inlet	
PBT PBT Solid Neoprene PBT PBT Solid Neoprene Stainless Steel (300 Series) Nickel-Plated Brass Stainless Steel (300 Series) High-Impact Thermoset	Housing Locking Ring Mounting Flange Mounting Screws Contact Carrier Retainer Ground, Phase Pins Terminal Screws Assembly Screws (2) Gaskets	PBT PBT PBT PBT Stainless Steel (300 Series) High-Impact Thermoset High-Impact Thermoset Brass (M-Series - Nickel-plated brass) Stainless Steel (300 Series) Stainless Steel (300 Series) Solid Neoprene
High-Impact Thermoset	Receptacle	'
Brass (M-Series - Nickel-plated brass) Stainless Steel (300 Series) Stainless Steel (300 Series)	Housing Mounting Flange Arm Spring	PBT PBT Stainless Steel (17-7 type)
PBT PBT Solid Neoprene PBT Stainless Steel (17-7 type) PBT Nickel-plated brass Solid Neoprene High-Impact Thermoset High-Impact Thermoset Brass 20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with	Cover Arm Cover Cover Screw Gaskets Mounting Screws Terminal Screws Phase, Ground Sleeves Sleeve Spring	PBT PBT Nickel-plated brass Solid Neoprene Stainless Steel (300 Series) Stainless Steel (300 Series) Brass 20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating
	PBT PBT Solid Neoprene PBT Solid Neoprene PBT Solid Neoprene Stainless Steel (300 Series) Nickel-Plated Brass Stainless Steel (300 Series) High-Impact Thermoset High-Impact Thermoset Brass (M-Series - Nickel-plated brass) Stainless Steel (300 Series) Stainless Steel (300 Series) PBT PBT Solid Neoprene PBT Stainless Steel (17-7 type) PBT Nickel-plated brass Solid Neoprene High-Impact Thermoset High-Impact Thermoset High-Impact Thermoset Brass 20A and 30A Stainless Steel (300 Series); others	Material PBT PBT Solid Neoprene PBT Solid Neoprene PBT Solid Neoprene Stainless Steel (300 Series) Nickel-Plated Brass Stainless Steel (300 Series) High-Impact Thermoset Brass (M-Series - Nickel-plated brass) Stainless Steel (300 Series) Stainless Steel (300 Series) PBT PBT PBT PBT Solid Neoprene PBT Solid Neoprene PBT Solid Neoprene PBT Stainless Steel (17-7 type) PBT Nickel-plated brass Solid Neoprene High-Impact Thermoset PBT Nickel-plated brass Solid Neoprene High-Impact Thermoset Brass 20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with

Assembly Screws **Specifications**

Terminal Screws

Typical Specification

Manufacturer's Identification

Description Type

Rating Configuration Certification

Hubbell HBL520P9W Plug, Power Supply 3 Pole + Neutral + Earth 20A, 120/208V AC, 3 Phase WYE

Stainless Steel (300 Series)

Stainless Steel (300 Series)

UL 1686 C2, IEC 60309-2, Clock Position 9, Watertight

UL Listed, File E146032 Receptacles and Inlets, E146033 Plugs and Connectors, UL Standard UL1682 and UL 1686C2, CSA Certified File LR280C for Plugs, Connectors Inlets and LR285C for Receptacle CSA StandardC22.2 No. 182.1, UL Classified to IEC 60309-1

IEC 60309-2

PBT is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Listed to standard UL1682/CSA C22.2 No. 182.1-02, Plugs, Receptacles and cable connectors of the Pin and Sleeve Type.

UL Classified to IEC Standards 60309-1 (Plugs, Socket Outlets, and Couplers for Industrial Purposes) for Series I (European) rated voltages and services.

When used with cord, these devices require no further investigation by UL for equipment Classification to IEC 435 or IEC 380.

Performance

Electrical	
Dielectric Withstand Voltage	3000V AC.
Max. Working Voltage	600V RMS (i.e., minimum creepage distance 10 millimeters, minimum clearance 8 millimeters, per IEC 60309-1
	for devices rated over 500V).
Current Interrupting	Certified for current interrupting at full rated current (Except DC rated devices).
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	5,000 connect and disconnect cycles with load for 16A and 20A, 1,000 cycles with load and 1,000 cycles without
	load for 30A, 32A, 60A and 63A, and 250 cycles with load and 250 cycles without load for 100A and 125A.
Mechanical	
Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682.
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62,
	CSA C22.2 No. 49 and the harmonized <har> European Standards.</har>
Terminal Identification	Terminals identified in accordance with North American and IEC conventions.
Product Identification	Identification and ratings are a permanent part of the device housing.
Environmental	
Moisture Resistance	Watertight per IEC 60309-1.
Ingress Protection	TYPE 4X, 12 and IP69K.
Flammability	V.O.
Operating Temperatures	Maximum Continuous 75°C; Minimum - 40°C without impact.
Materials	
Housings	PBT.
All Other Materials	Resistant to corrosion and chemical attack.

Note: Specification sheets for all other Pin and Sleeve catalog numbers are available upon request.

Horsepower Ratings for Hubbell IEC Pin and Sleeve Devices*

Single Phase	е
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Amps	Wire Count	Voltage	Clock	Catalog Number	HP Rating
20	3	125V	4	HBL320x4W	1
20	3	250V	6	HBL320x6W	2
20	3	480V	7	HBL320x7W	5
20	4	125/250 (208L-L)	12	HBL420x12W	2
20	4	125/250 (250L-L)	12	HBL420x12W	2
20	4	125/250 (125L-N)	12	HBL420x12W	1
30	3	125V	4	HBL330x4W	2
30	3	250V	6	HBL330x6W	3
30	3	480V	7	HBL330x7W	7.5
30	3	550VDC	8	HBL330X8	N/A
30	4	125/250 (208L-L)	12	HBL430x12W	3
30	4	125/250 (250L-L)	12	HBL430x12W	3
30	4	125/250 (125L-N)	12	HBL430x12W	2
60	3	125V	4	HBL360x4W	2
60	3	250V	6	HBL360x6W	3
60	3	480V	7	HBL360x7W	7.5
60	3	250VDC	3	HBL360x3W	N/A
60	3	550VDC	8	HBL360x8W	N/A
60	4	125/250 (208L-L)	12	HBL460x12W	3
60	4	125/250 (250L-L)	12	HBL460x12W	3
60	4	125/250 (125L-N)	12	HBL460x12W	2
100	3	125V	4	HBL3100x4W	5
100	3	250V	6	HBL3100x6W	15
100	3	480V	7	HBL3100x7W	30
100	3	250VDC	3	HBL3100x3W	N/A
100	3	550VDC	8	HBL3100x8W	N/A
100	4	125/250 (208L-L)	12	HBL4100x12W	10
100	4	125/250 (250L-L)	12	HBL4100x12W	15
100	4	125/250 (125L-N)	12	HBL4100x12W	5

3-Phase

	Wire				HP
Amps		Voltage	Clock	Catalog Number	Rating
20	4	3Ø 250V	9	HBL420x9W	5
20	4	3Ø 480V	7	HBL420x7W	10
20	4	3Ø 600V	5	HBL420x5W	10
20	4	3Ø 380-415V	6	HBL420x6W	7.5
20	5	3ØY 120/208V	9	HBL520x9W	3
20	5	3ØY 277/480V	7	HBL520x7W	10
20	5	3ØY 347/600V	5	HBL520x5W	10
20	5	3Ø 240/415V	6	HBL520x6W	5
30	4	3Ø 250V	9	HBL430x9W	7.5
30	4	3Ø 480V	7	HBL430x7W	15
30	4	3Ø 600V	5	HBL430x5W	20
30	5	3ØY 120/208V	9	HBL530x9W	5
30	5	3ØY 277/480V	7	HBL530x7W	15
30	5	3ØY 347/600V	5	HBL530x5W	20
30	4	3Ø 380/415V	6	HBL430x6W	10
30	5	3Ø 200/346-240/415	6	HBL530x6W	10
60	4	3Ø 250V	9	HBL460x9W	7.5
60	4	3Ø 480V	7	HBL460x7W	20
60	4	3Ø 600V	5	HBL460x5W	25
60	4	3Ø 380-415VAC	6	HBL460x6W	10
60	5	3ØY 120/208V	9	HBL560x9W	7.5
60	5	3ØY 277/480V	7	HBL560x7W	20
60	5	3ØY 347/600V	5	HBL560x5W	25
60	5	3Ø 200/346-240/415	6	HBL560x6W	10
100	4	3Ø 250V	9	HBL4100x9W	15
100	4	3Ø 480V	7	HBL4100x7W	40
100	4	3Ø 600V	5	HBL4100x5W	50
100	4	3Ø 380-415V	6	HBL4100x6W	30
100	5	3ØY 200/346-240/415V	6	HBL5100x6W	30
100	5	400VDC	8	HBL5100x8W	N/A
100	5	3ØY 120/208V	9	HBL5100x9W	15
100	5	3ØY 277/480V	7	HBL5100x7W	40
100	5	3ØY 347/600V	5	HBL5100x5W	50

Note: *Horsepower Ratings are NOT standardized amongst different Pin and Sleeve manufacturers.

Hubbell-PRO Commercial Pin and Sleeve Devices

Hubbell has the IEC Pin and Sleeve Solution — No Matter what Environment or Application! Hubbell-PRO pin and sleeve is value engineered for commercial and light duty applications. Devices are UL certified conforming to IEC 60309, UL 1682 and are dual-rated where applicable. North American devices are offered in 20A, 30A, 60A and 100A; European devices are available in 16A, 32A, 63A and 125A versions. A complete line of watertight and splash proof versions are available. Numerous features provide installation efficiencies including Edge Series Screwlees terminations, glandless water ingress protection, bulk packs and NPT threaded versions for adapter free installations for liquid light applications.



IP67



IP44



Liquid Tight



Edge Series Screwless Terminations

- Strong spring continuously applies pressure as strands relax
- Eliminates timely step of ferrules
- No Torque screwdriver required



Glandless Water Ingress Protection -

- Integral and permanently attached to the device
- Available in either IP44 of IP67 Water ingress protection



Dual Rated Devices

- Single SKU certified for use in North America and Internationally
- Accepts full range of UL and VDE approved cable



Back Boxes and accessories

- A complete line of metallic and non-metallic back boxes
- Adapter plates allow receptacles and inlets to be mounted to Hubbell Back Boxes



Screwless Two Piece Housing 60A – 125A devices

 Single Push Tab Secures Housing & IP67 Rating



Liquid Tight Versions:

 Integral NPT threaded back housing directly accepts liquid tight fittings

Watertight Series North American Ratings











			Watertight IP67 Suitability				
Amps	Dual Rated:	Ratings	Inlet*	Connector	Plug	Receptacle	
		2P/3W, 20A 125V AC	C320B4WA	C320C4WA	C320P4WA	C320R4WA	
	Dual Rated:	2P/3W, 20A 250V AC/16A 220-240V	C320B6WA	C320C6WA	C320P6WA	C320R6WA	
		2P/3W, 20A 480V AC	C320B7WA	C320C7WA	C320P7WA	C320R7WA	
		3P/4W, 20A 3P 600V	C420B5WA	C420C5WA	C420P5WA	C420R5WA	
	Dual Rated:	2P/3W, 20A 250V AC/16A 220-240V	C420B6WA	C420C6WA	C420P6WA	C420R6WA	
16 & 20		3P/4W, 20A 3P 480V	C420B7WA	C420C7WA	C420P7WA	C420R7WA	
	Dual Rated:	3P/4W, 16/20A 3P 250 VAC	C420B9WA	C420C9WA	C420P9WA	C420R9WA	
		4P/5W, 20A 347/600V	C520B5WA	C520C5WA	C520P5WA	C520R5WA	
	Dual Rated:	4P/5W,16/20A 200-415V AC	C520B6WA	C520C6WA	C520P6WA	C520R6WA	
		4P/5W, 20A 277/480V	C520B7WA	C520C7WA	C520P7WA	C520R7WA	
	Dual Rated:	4P/5W,16/20A 120/208V	C520B9WA	C520C9WA	C520P9WA	C520R9WA	
		2P/3W, 30A 125V AC	C330B4WA	C330C4WA	C330P4WA	C330R4WA	
	Dual Rated:	2P/3W, 30A 250V/32A 220-240V	C330B6WA	C330C6WA	C330P6WA	C330R6WA	
		2P/3W, 30A 480V AC	C330B7WA	C330C7WA	C330P7WA	C330R7WA	
		3P/4W, 30A 3P 600V	C430B5WA	C430C5WA	C430P5WA	C430R5WA	
	Dual Rated:	3P/4W, 30/32A 380-415V AC	C430B6WA	C430C6WA	C430P6WA	C430R6WA	
30 & 32		3P/4W, 30A 3P 480V	C430B7WA	C430C7WA	C430P7WA	C430R7WA	
	Dual Rated:	3P/4W, 30/32A 3P 250 VAC	C430B9WA	C430C9WA	C430P9WA	C430R9WA	
		4P/5W, 30A 347/600V	C530B5WA	C530C5WA	C530P5WA	C530R5WA	
	Dual Rated:	4P/5W, 30/32A 200-415V AC	C530B6WA	C530C6WA	C530P6WA	C530R6WA	
		4P/5W, 30A 277/480V	C530B7WA	C530C7WA	C530P7WA	C530R7WA	
	Dual Rated:	4P/5W, 30/32A 120/208V	C530B9WA	C530C9WA	C530P9WA	C530R9WA	
		2P/3W, 60A 125V AC	C360B4WA	C360C4WA	C360P4WA	C360R4WA	
	Dual Rated:	2P/3W, 60A 250V/63A 220-240V	C360B6WA	C360C6WA	C360P6WA	C360R6WA	
		2P/3W, 60A 480V AC	C360B7WA	C360C7WA	C360P7WA	C360R7WA	
		3P/4W, 60A 3P 600V	C460B5WA	C460C5WA	C460P5WA	C460R5WA	
	Dual Rated:	3P/4W, 60/63A 380-415V AC	C460B6WA	C460C6WA	C460P6WA	C460R6WA	
60 & 63		3P/4W, 60A 3P 480V	C460B7WA	C460C7WA	C460P7WA	C460R7WA	
	Dual Rated:	3P/4W, 60/63A 3P 250 VAC	C460B9WA	C460C9WA	C460P9WA	C460R9WA	
		4P/5W, 60A 347/600V	C560B5WA	C560C5WA	C560P5WA	C560R5WA	
	Dual Rated:	4P/5W, 60/63A 200-415V AC	C560B6WA	C560C6WA	C560P6WA	C560R6WA	
		4P/5W, 60A 277/480V	C560B7WA	C560C7WA	C560P7WA	C560R7WA	
	Dual Rated:	4P/5W, 60/63A 120/208V	C560B9WA	C560C9WA	C560P9WA	C560R9WA	

See page G-28 for Back Boxes and G-36 for product dimensions.

^{*} Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.

Watertight Series North American Ratings (Cont'd)











				Watertight IP67 Suitability				
Amps	Dual Rated:	Ratings	Inlet*	Connector	Plug	Receptacle*		
	Dual Rated:	2P/3W, 100A 250V AC/125A 220-240V	C3100B6WA	C3100C6WA	C3100P6WA	C3100R6WA		
		2P/3W, 100A 480V AC	C3100B7WA	C3100C7WA	C3100P7WA	C3100R7WA		
		3P/4W, 100A 3P 600V	C4100B5WA	C4100C5WA	C4100P5WA	C4100R5WA		
	Dual Rated:	3P/4W, 100/125A 380-415V AC	C4100B6WA	C4100C6WA	C4100P6WA	C4100R6WA		
100 & 125		3P/4W, 100A 3P 480V	C4100B7WA	C4100C7WA	C4100P7WA	C4100R7WA		
100 & 125	Dual Rated:	3P/4W, 100/125A 3P 250 VAC	C4100B9WA	C4100C9WA	C4100P9WA	C4100R9WA		
		4P/5W, 100A 347/600V	C5100B5WA	C5100C5WA	C5100P5WA	C5100R5WA		
	Dual Rated:	4P/5W, 100/125A 200-415V AC	C5100B6WA	C5100C6WA	C5100P6WA	C5100R6WA		
		4P/5W, 100A 277/480V	C5100B7WA	C5100C7WA	C5100P7WA	C5100R7WA		
	Dual Rated:	4P/5W, 100/125A 120/208V	C5100B9WA	C5100C9WA	C5100P9WA	C5100R9WA		

Watertight Series International Ratings









			Watertigh	nt IP67 Suitability	
Amps	Ratings	Inlet*	Connector	Plug	Receptacle*
	2P/3W, 16A 100-130V	C316B4WA	C316C4WA	C316P4WA	C316R4WA
16A	2P/3W, 16A 220-240V	C316B6WA	C316C6WA	C316P6WA	C316R6WA
IOA	2P/3W, 16A 380-415V	C416B6WA	C416C6WA	C416P6WA	C416R6WA
	4P/5W, 16A 200-415V	C516B6WA	C516C6WA	C516P6WA	C516R6WA
	2P/3W, 32A 100-130V	C332B4WA	C332C4WA	C332P4WA	C332R4WA
	2P/3W, 32A 220-240V	C332B6WA	C332C6WA	C332P6WA	C332R6WA
32A	3P/4W, 32A 380-480V	C432B3WA	C432C3WA	C432P3WA	C432R3WA
	3P/4W, 32A 380-415V	C432B6WA	C432C6WA	C432P6WA	C432R6WA
	4P/5W, 32A 200-415V	C532B6WA	C532C6WA	C532P6WA	C532R6WA
	2P/3W, 63A 220-240V	C363B6WA	C363C6WA	C363P6WA	C363R6WA
63A	3P/4W, 63A 380-415V	C463B6WA	C463C6WA	C463P6WA	C463R6WA
	4P/5W, 63A 200-415V	C563B6WA	C563C6WA	C563P6WA	C563R6WA
	2P/3W, 125A 220-240V	C3125B6WA	C3125C6WA	C3125P6WA	C3125R6WA
125A	3P/4W, 125A 380-415V	C4125B6WA	C4125C6WA	C4125P6WA	C4125R6WA
	4P/5W, 125A 200-415V	C5125B6WA	C5125C6WA	C5125P6WA	C5125R6WA

See page G-28 for Back Boxes and G-36 for product dimensions.

^{*} Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.

Splashproof Series North American Ratings

NOI LII A	American	natiligs	Splashproof IP44 Suitability					
Amps		Ratings	Inlet*	Connector	Plug	Receptacle*		
7 tilipo		2P/3W, 20A 125V AC	C320B4SA	C320C4SA	C320P4SA	C320R4SA		
	Dual Rated	2P/3W, 20A 250V AC/16A 220-240V	C320B6SA	C320C6SA	C320P6SA	C320R6SA		
		2P/3W, 20A 480V AC	C320B7SA	C320C7SA	C320P7SA	C320R7SA		
		3P/4W, 20A 3Ø 600V	C420B5SA	C420C5SA	C420P5SA	C420R5SA		
	Dual Rated	2P/3W, 20A 250V AC/16A 220-240V	C420B6SA	C420C6SA	C420P6SA	C420R6SA		
16 & 20		3P/4W, 20A 3Ø 480V	C420B7SA	C420C7SA	C420P7SA	C420R7SA		
	Dual Rated	3P/4W, 16/20A 3P 250 VAC	C420B9SA	C420C9SA	C420P9SA	C420R9SA		
		4P/5W, 20A 347/600V	C520B5SA	C520C5SA	C520P5SA	C520R5SA		
	Dual Rated	4P/5W,16/20A 200-415V AC	C520B6SA	C520C6SA	C520P6SA	C520R6SA		
		4P/5W, 20A 277/480V	C520B7SA	C520C7SA	C520P7SA	C520R7SA		
	Dual Rated	4P/5W,16/20A 120/208V	C520B9SA	C520C9SA	C520P9SA	C520R9SA		
		2P/3W, 30A 125V AC	C330B4SA	C330C4SA	C330P4SA	C330R4SA		
	Dual Rated	2P/3W, 30A 250V AC/32A 220-240V	C330B6SA	C330C6SA	C330P6SA	C330R6SA		
		2P/3W, 30A 480V AC	C330B7SA	C330C7SA	C330P7SA	C330R7SA		
		3P/4W, 30A 3Ø 600V	C430B5SA	C430C5SA	C430P5SA	C430R5SA		
	Dual Rated	3P/4W, 30/32A 380-415V AC	C430B6SA	C430C6SA	C430P6SA	C430R6SA		
30 & 32		3P/4W, 30A 3Ø 480V	C430B7SA	C430C7SA	C430P7SA	C430R7SA		
	Dual Rated	3P/4W, 30/32A 3P 250 VAC	C430B9SA	C430C9SA	C430P9SA	C430R9SA		
		4P/5W, 30A 347/600V	C530B5SA	C530C5SA	C530P5SA	C530R5SA		
	Dual Rated	4P/5W, 30/32A 200-415V AC	C530B6SA	C530C6SA	C530P6SA	C530R6SA		
		4P/5W, 30A 277/480V	C530B7SA	C530C7SA	C530P7SA	C530R7SA		
	Dual Rated	4P/5W, 30/32A 120/208V	C530B9SA	C530C9SA	C530P9SA	C530R9SA		
		2P/3W, 60A 125V AC	C360B4SA	C360C4SA	C360P4SA	C360R4SA		
	Dual Rated	2P/3W, 60A 250V AC/63A 220-240V	C360B6SA	C360C6SA	C360P6SA	C360R6SA		
		2P/3W, 60A 480V AC	C360B7SA	C360C7SA	C360P7SA	C360R7SA		
		3P/4W, 60A 3Ø 600V	C460B5SA	C460C5SA	C460P5SA	C460R5SA		
	Dual Rated	3P/4W, 60/63A 380-415V AC	C460B6SA	C460C6SA	C460P6SA	C460R6SA		
60 & 63		3P/4W, 60A 3Ø 480V	C460B7SA	C460C7SA	C460P7SA	C460R7SA		
	Dual Rated	3P/4W, 60/63A 3P 250 VAC	C460B9SA	C460C9SA	C460P9SA	C460R9SA		
		4P/5W, 60A 347/600V	C560B5SA	C560C5SA	C560P5SA	C560R5SA		
	Dual Rated	4P/5W, 60/63A 200-415V AC	C560B6SA	C560C6SA	C560P6SA	C560R6SA		
		4P/5W, 60A 277/480V	C560B7SA	C560C7SA	C560P7SA	C560R7SA		
	Dual Rated	4P/5W, 60/63A 120/208V	C560B9SA	C560C9SA	C560P9SA	C560R9SA		

See page G-28 for Back Boxes. Dimensions are available online.

^{*} Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.

Splashproof Series International Ratings



			Splashproof IP44 Suitability		
Amps	Ratings	Inlet	Connector	Plug	Receptacle
	2P/3W, 16A 100-130V	C316B4SA	C316C4SA	C316P4SA	C316R4SA
16A	2P/3W, 16A 220-240V	C316B6SA	C316C6SA	C316P6SA	C316R6SA
10/1	2P/3W, 16A 380-415V	C416B6SA	C416C6SA	C416P6SA	C416R6SA
	4P/5W, 16A 200-415V	C516B6SA	C516C6SA	C516P6SA	C516R6SA
	2P/3W, 32A 100-130V	C332B4SA	C332C4SA	C332P4SA	C332R4SA
	2P/3W, 32A 220-240V	C332B6SA	C332C6SA	C332P6SA	C332R6SA
32A	3P/4W, 32A 380-480V	C432B3SA	C432C3SA	C432P3SA	C432R3SA
	3P/4W, 32A 380-415V	C432B6SA	C432C6SA	C432P6SA	C432R6SA
	4P/5W, 32A 200-415V	C532B6SA	C532C6SA	C532P6SA	C532R6SA
	2P/3W, 63A 220-240V	C363B6SA	C363C6SA	C363P6SA	C363R6SA
63A	3P/4W, 63A 380-415V	C463B6SA	C463C6SA	C463P6SA	C463R6SA
	4P/5W, 63A 200-415V	C563B6SA	C563C6SA	C563P6SA	C563R6SA

Liquid Tight Versions

Amno	Detings	1/2" Conduit Fitting		
Amps	Ratings	IP44 Connector	IP67 Connector	
30A	5H 3Ø 347/600 VAC	C530C5SLT12	C530C5WLT12	
30A/32A	6H 3Ø 200/346-240/415 VAC	C530C6SLT12	C530C6WLT12	
30A	7H 3ØY 277/480 VAC	C530C7SLT12	C530C7WLT12	
30A/32A	9H 3ØY 120/208VAC	C530C9SLT12	C530C9WLT12	
	Detinos	3/4" Cond	uit Fitting	
Amps	Ratings	IP44 Connector	IP67 Connector	
60A	4H 125 VAC	C360C4SLT100	C360C4WLT100	
60A/63A	6H 250 VAC	C360C6SLT100	C360C6WLT100	
60A	7H 480 VAC	C360C7SLT100	C360C7WLT100	
60A	5H 3ØY347/600 VAC	C460C5SLT100	C460C5WLT100	
60A/63A	6H 3Ø 200/346 -240/415 VAC	C460C6SLT100	C460C6WLT100	
60A	7H 3Ø 480 VAC	C460C7SLT100	C460C7WLT100	
60A/63A	9H 3ØY 120/208 VAC	C460C9SLT100	C460C9WLT100	
60A	5H 3Ø 347/600 VAC	C560C5SLT100	C560C5WLT100	
60A/63A	6H 3Ø 200/346-240/415 VAC	C560C6SLT100	C560C6WLT100	
60A	7H 3ØY 277/480 VAC	C560C7SLT100	C560C7WLT100	
60A/63A	9H 3ØY 120/208VAC	C560C9SLT100	C560C9WLT100	

3/4" Conduit Fitting						
IP44 Connector	IP67 Connector					
C530C5SLT34	C530C5WLT34					
C530C6SLT34	C530C6WLT34					
C530C7SLT34	C530C7WLT34					
C530C9SLT34	C530C9WLT34					
1" Conduit Fitting						
IP44 Connector	IP67 Connector					
C360C4SLT100	C360C4WLT100					
C360C6SLT100	C360C6WLT100					
C360C7SLT100	C360C7WLT100					
C460C5SLT100	C460C5WLT100					
C460C6SLT100	C460C6WLT100					
C460C7SLT100	C460C7WLT100					
C460C9SLT100	C460C9WLT100					
C560C5SLT100	C560C5WLT100					
C560C6SLT100	C560C6WLT100					
C560C7SLT100	C560C7WLT100					
C560C9SLT100	C560C9WLT100					

Dimensions available online

^{*} Mating plugs are certified for installation on cable only.

Features and Benefits



Unfused Circuit-Lock® Pin and Sleeve Mechanical Interlocks

The National Electrical Code (NEC®) requires a separate disconnect means within sight of all motor loads. The NEC requires the disconnecting means in a motor-circuit be listed as "Suitable as Motor Disconnect" if the motor is rated greater than 2 HP.

Hubbell's revolutionary Circuit-Lock interlock incorporates the disconnect switch and receptacle in one compact, non-metallic and economical unit. Removing the plug and locking it out provides a visual means of verifying equipment has been disconnected. All Circuit-Lock mechanical interlocks can be locked out as a method of compliance with the OSHA Lockout/Tagout regulation.

The switch cannot be turned ON until the plug is completely engaged, and the plug cannot be removed until the switch is turned OFF. At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or "lazy" connection. The non-metallic enclosure can be connected to the metallic conduit and not interfere with the ground continuity.

In addition, these horsepower rated units are durable, watertight and easy to install. And they are compatible with IEC 60309-2 plugs. These Circuit-Lock units are available in 20, 30, 60 and 100A models, and in 3, 4 and 5 wire configurations that are designed to the IEC 60309-1 and 60309-2 standards.

Hubbell's Circuit-Lock Mechanical Interlocks are also available in "Reverse Service" versions. These units incorporate the disconnect switch and reverse service receptacle (inlet) in one compact, non-metallic and economical unit. These units are available in 30, 60 and 100A models, 4 wire configurations.





Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically



Interior Design

- Large gears enclosed in a gear box assembled on one plane to eliminate possible gear jumping
- Horsepower rated disconnect switch handles large motor loads
- DIN rail mounted switch for easy installation and replacement



Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Two-stage interlocking mechanism to help defeat tampering
- Watertight conduit hub and grounding plate for use on metallic conduit (IP67 suitability)



- Replaceable spring-loaded liftcover with gasket for a watertight seal
- Pre-wired IEC Pin and Sleeve receptacle
- Reverse service has dependable solid brass pins for longer life and reliable electrical contact



Identification

Color coded rating pad and receptacle mount to signify voltage



Installation

- Comes with brass inserts and stainless steel screws for higher torque and better sealing
- Three molded-in conduit drill points are located on top, bottom and back surface of enclosure
- Adjustable mounting feet are ductile to allow mounting on irregular surfaces

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



IP67

Enclosure Type 4X, 12

					SUITABILITY			
			Rating		Unfused Circui	t-Lock® Devices	Reverse Service	
	Poles and	Configu			de la constant de la		de la constant de la	
Amps	Wires	Recep.	Plug	AC Voltage	Mechanical Interlock	Mating Plug	Mechanical Interlock	Mating Plug
20	3P 4W		<u> </u>	120/240V	HBL420MI12W	HBL420P12W	_	_
	3P 4W		<u> </u>	3Ø 240V	HBL420MI9W	HBL420P9W	_	_
	3P 4W		<u> </u>	3Ø 480V	HBL420MI7W	HBL420P7W	_	_
	3P 4W			3Ø 600V	HBL420MI5W	HBL420P5W	_	
30	2P 3W		<u> </u>	120V	HBL330MI4W	HBL330P4W	_	<u> </u>
	2P 3W		©	240V	HBL330MI6W	HBL330P6W	_	_
	2P 3W		©	480V	HBL330MI7W	HBL330P7W	_	_
	3P 4W		③	120/240V	HBL430MI12W	HBL430P12W	_	_
	3P 4W		③	3Ø 240V	HBL430MI9W	HBL430P9W	HBL430MI9WR	HBL430P9WR
	3P 4W		©	3Ø 480V	HBL430MI7W	HBL430P7W	HBL430MI7WR	HBL430P7WR
	3P 4W			3Ø 600V	HBL430MI5W	HBL430P5W	HBL430MI5WR	HBL430P5WR
	4P 5W		③	3ØY 120/208V	HBL530MI9W	HBL530P9W	_	_
	4P 5W		③	3ØY 277/480V	HBL530MI7W	HBL530P7W	_	_
	4P 5W			3ØY 347/600V	HBL530MI5W	HBL530P5W	_	_
32	3P 4W		③	380V 50HZ- 440V 60Hz	HBL432MI3W	HBL432P3W	_	_
60	2P 3W		©	120V	HBL360MI4W	HBL360P4W	_	_
	2P 3W		③	240V	HBL360MI6W	HBL360P6W	_	_
	2P 3W		③	480V	HBL360MI7W	HBL360P7W	_	_
	3P 4W		③	120/240V	HBL460MI12W	HBL460P12W	HBL460MI12WR	HBL460P12WR
	3P 4W		③	3Ø 240V	HBL460MI9W	HBL460P9W	HBL460MI9WR	HBL460P9WR
	3P 4W		③	3Ø 480V	HBL460MI7W	HBL460P7W	HBL460MI7WR	HBL460P7WR
	3P 4W			3Ø 600V	HBL460MI5W	HBL460P5W	HBL460MI5WR	HBL460P5WR
	4P 5W		③	3ØY 120/208V	HBL560MI9W	HBL560P9W	_	_
	4P 5W		③	3ØY 277/480V	HBL560MI7W	HBL560P7W	_	_
	4P 5W			3ØY 347/600V	HBL560MI5W	HBL560P5W	_	_
100	2P 3W		③	240V	HBL3100MI6W	HBL3100P6W	_	_
	3P 4W		③	120/240V	HBL4100MI12W	HBL4100P12W	HBL4100MI12WR	HBL4100P12WR
	3P 4W		③	3Ø 240V	HBL4100MI9W	HBL4100P9W	HBL4100MI9WR	HBL4100P9WR
	3P 4W		③	3Ø 480V	HBL4100MI7W	HBL4100P7W	HBL4100MI7WR	HBL4100P7WR
	3P 4W		(3)	3Ø 600V	HBL4100MI5W	HBL4100P5W	HBL4100MI5WR	HBL4100P5WR
	4P 5W		③	3ØY 120/208V	HBL5100MI9W	HBL5100P9W	_	_

Note: 20, 30 and 32A – 1 inch NPT hub supplied; 60 and 100A – 1¼ inch hub supplied.



HBLAC1



HBLAC2



HBL30RGB



МІСРК30





HBL30MIRS



Dimensions in Inches (mm)

Auxiliary Contacts for 20, 30, 32, 60 and 100A Switch, NEMA A600 Pilot Duty

"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1
"Break Before Main Break", 1 set of n/o contacts.	HBLAC2
Ground Block	
Description	Catalog Number
For 20, 30 and 32A switches.	HBL30RGB

For 60 and 100A switches. Neutral Block

Description

Description	Catalog Number
For 20, 30 and 32A switches.	HBL30RNB
For 60A switches.	HBL60RNB
For 100A switches.	HBL100RNB

Watertight Closure Plug Kits

Description	Catalog Number
For 20, 30 and 32A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	MICPK30
For 60 and 100A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	MICPK60

Replacement Flip Covers

Description	Catalog Number
For 20A mechanical interlocks.	CA420MI
For 30 and 32A, 3 and 4 wire mechanical interlocks.	CA3430MI
For 30A, 5 wire mechanical interlocks.	CA530MI
For 60A mechanical interlocks.	CA60MI
For 100A mechanical interlocks.	CA100MI

Replacement Switches

Description	Catalog Number
For 20A mechanical interlocks.	HBLDS3RS
For 30 and 32A mechanical interlocks.	HBL30MIRS
For 60 and 100A mechanical interlocks.	HBLDS60100RS

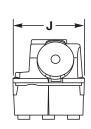
Replacement Mounting Feet

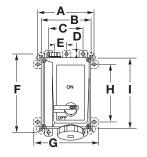
Description	Catalog Number
For 20, 30, 32, 60 and 100A mechanical interlocks.	HBLRFT2*

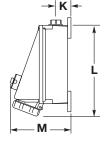
Dimensions

KEY	20A and 30A Inches (mm)	60A Inches (mm)	100A Inches (mm)
A	7.75" (196.9)	7.75" (196.9)	7.75" (196.9)
В	6.87" (174.5)	6.87" (174.5)	6.87" (174.5)
C	4.75" (120.7)	4.75" (120.7)	4.75" (120.7)
D	1.02" (25.9)	1.02" (25.9)	1.02" (25.9)
E	1.60" (40.6)	1.46" (37.1)	1.46" (37.1)
F	11.00" (279.4)	12.75" (323.9)	12.75" (323.9)
G	8.75" (222.3)	8.75" (222.3)	8.75" (222.3)
Н	8.00" (203.2)	9.75" (247.7)	9.75" (247.7)
	10.12" (257.0)	11.87" (301.5)	11.87" (301.5)
J	6.88" (174.8)	6.88" (174.8)	6.88" (174.8)
K	1.93" (49.0)	2.09" (53.1)	2.09" (53.1)
L	11.25" (285.8)**	13.65" (346.7)	13.65" (346.7)
M	7.75" (196.9)	8.60" (218.4)	9.30" (236.2)
HUB SIZE	1.00" NPT	1.25" NPT	1.25" NPT

Note: *Package of 10 feet and 10 screws. **30 and 32A, 3 and 4W = 11.50" (292.1); 30A, 5W = 11.59" (294.4).







Catalog Number

HBL60100RGB

Typical Specifications

Manufacturer's Identification

Hubbell HBL430MI7W Circuit-Lock® Pin and Sleeve Mechanical Interlock Description

3 Pole + Earth Electrical Type

30A, 480V AC, 3 Phase Rating

Configuration IEC 60309-2, UL1686 C2, Clock position 7

Enclosure Type Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids)

Ingress Protection

Enclosure Material Non-metallic, enclosure suitable for metallic conduit

UL Listed, CSA Certified

Note: This device provides on/off switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected while the receptacle is energized. The switch cannot be turned "ON" until the plug is inserted properly, and the plug cannot be removed until the switch is turned "OFF."

Part	Material	Part	Material	
Base	PBT	Тор	PBT	
Handle	PBT	Conduit Hub	Zinc	
Enclosure Gasket	Neoprene	Shaft	PBT	
Shaft Seal	Neoprene	Ground Plate	Galvanized Steel	
Enclosure Screws	Stainless Steel 300 Series	Enclosure Inserts	Brass	
Hinge Pins	Nickel Plated Brass	Hinge Spring	Stainless Steel 300 Series	

Performance

Electrical Dielectric Voltage Withstands 3.000V AC Min. Max. Working Voltage 600V AC RMS.

Certified for current interrupting at full rated current and voltage. Current Interrupting

Short Circuit Withstand Rating Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of

the receptacle. 20A and 30A models: Suitable for use on a circuit capable of delivering not more than 65,000 RMS symmetrical

amperes, 600V when protected by class "J" fuses rated 30A.

Operations Mechanical 10,000 cycles, electrical 6,000 cycles

Mechanical

In accordance with UL 746C. Impact Resistance

In accordance with UL, CSA and international conventions. Terminal Identification

Product Identification Identification and ratings are part of the external label and molded into the receptacle mount.

Mounting External adjustable feet.

Environmental

Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids). Moisture Resistance Ingress Protection

IP69K Suitability.

UL94-5VA and V-0 Classification. Flammability

Max. Continuous +75°C; Min. Continuous -40°C. Operating Temperature

UV Resistance All materials are UV stabilized.

Horsepower Ratings

Amps	AC Voltage Rating	Horsepower	Mechanical Interlock	Mating Plug
20	120/240V AC	2	HBL420MI12W	HBL420P12W
20	3Ø 240V AC	5	HBL420MI9W	HBL420P9W
20	3Ø 480V AC	10	HBL420MI7W	HBL420P7W
20	3Ø 600V AC	10	HBL420MI5W	HBL420P5W
30	120V AC	2	HBL330MI4W	HBL330P4W
30	240V AC	3 (208-240V AC)	HBL330MI6W	HBL330P6W
30	480V AC	7.5	HBL330MI7W	HBL330P7W
30	120/240V AC	3 (208-240V AC)	HBL430MI12W	HBL430P12W
30	3Ø 600V AC	20	HBL430MI5W	HBL430P5W
30	3Ø 480V AC	15	HBL430MI7W	HBL430P7W
30	3Ø 250V AC	7.5	HBL430MI9W	HBL430P9W
30	3ØY 347/600V AC	20	HBL530MI5W	HBL530P5W
30	3ØY 277/480V AC	15	HBL530MI7W	HBL530P7W
30	3ØY 120/208V AC	5	HBL530MI9W	HBL530P9W
32	380V AC 50Hz – 440V AC 60Hz	15 (440V AC 3Ø 60Hz)	HBL432MI3W	HBL432P3W
60	120V AC	3	HBL360MI4W	HBL360P4W
60	240V AC	7.5 (208-240V AC)	HBL360MI6W	HBL360P6W
60	480V AC	20	HBL360MI7W	HBL360P7W
60	120/240V AC	7.5 (208-240V AC)	HBL460MI12W	HBL460P12W
60	3Ø 600V AC	40	HBL460MI5W	HBL460P5W
60	3Ø 480V AC	30	HBL460MI7W	HBL460P7W
60	3Ø 250V AC	15	HBL460MI9W	HBL460P9W
60	3ØY 347/600V AC	40	HBL560MI5W	HBL560P5W
60	3ØY 277/480V AC	30	HBL560MI7W	HBL560P7W
60	3ØY 120/208V AC	15	HBL560MI9W	HBL560P9W
100	240V AC	15 (10 @ 208V AC)	HBL3100MI6W	HBL3100P6W
100	120/240V AC	15	HBL4100MI12W	HBL4100P12W
100	3Ø 600V AC	50	HBL4100MI5W	HBL4100P5W
100	3Ø 480V AC	50	HBL4100MI7W	HBL4100P7W
100	3Ø 250V AC	25 (208-240V AC)	HBL4100MI9W	HBL4100P9W
100	3ØY 120/208V AC	20	HBL5100MI9W	HBL5100P9W

Features and Benefits

Fused Circuit-Lock® Pin and Sleeve Mechanical Interlocks

Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a compact non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell's interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position.

It features a high visibility red handle that can be locked in the OFF position to meet OSHA lockout/tagout regulations. The enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X PBT enclosure features adjustable mounting feet for flexible installation, while the receptacle's springloaded cover with gasket is dust tight and provides a watertight seal when turned and locked.

The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.





Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements.
 Enclosure is molded of rugged thermoplastic PBT to resist abuse, corrosion and enhance safety
- Stainless steel ¼ turn door fasteners for quick, easy access to fuses



Interior Design

- Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access
- The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers



Safety

- High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a ⁵/₁₆ inch padlock shackle
- Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked



Contact Carrier

- Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures
- Thermoset properties provide excellent dimensional stability, low moisture absorption and superior dielectric strength



Enclosure Door

- Removable door for ease of wiring and installation
- Enclosure door can be locked to prevent unauthorized access.
 Additionally, if the switch is ON, the door cannot be opened



Installation

- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT
- Conduit hub and adjustable mounting feet (4) are ductile to allow mounting on irregular surfaces





			Rating		Fused Circu	it-Lock [®] Devices
Amps	Poles and Wires	Configu Recep./ Conn.	ration Plug/ Inlet	AC Voltage	Mechanical Interlock	Mating Plug
30	3P 4W		②	120/240V	HBL430MIF12W	HBL430P12W
	3P 4W		Ö	3Ø 240V	HBL430MIF9W	HBL430P9W
	3P 4W		©	3Ø 480V	HBL430MIF7W	HBL430P7W
	3P 4W			3Ø 600V	HBL430MIF5W	HBL430P5W
	4P 5W		©	3ØY 277/480V	HBL530MIF7W	HBL530P7W
60	3P 4W		③	120/240V	HBL460MIF12W	HBL460P12W
	3P 4W		③	3Ø 240V	HBL460MIF9W	HBL460P9W
	3P 4W		(3)	3Ø 480V	HBL460MIF7W	HBL460P7W
	3P 4W			3Ø 600V	HBL460MIF5W	HBL460P5W
	4P 5W		③	3ØY 120/208V	HBL560MIF9W	HBL560P9W

Enclosure Type 4X, 12



HBL430MIF12W

Gray Style Switch



HBLACFSNO

Black Style Switch

Replacement Auxiliary Contacts

Note: 30A - 1 inch NPT hub supplied; 60A - 11/4 inch hub supplied.

Description	Black Style Switch Catalog Number	Gray Style Switch Catalog Number
Auxiliary contact, normally open, A600 pilot duty, break before break.	ACFSNO	HBLACFSNO
Auxiliary contact, normally closed, A600 pilot duty, break before break.	ACFSNC	HBLACFSNC

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble. All new installations are shipped with gray style switch.





HBL30MIFRS

ACFSNO

Replacement Switches

Description	Gray Style Switch Catalog Number
For 30A fused switches.	HBL30MIFRS
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	HBL60MIFRS

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK30
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK60



Description	Catalog Number
For 30A, 3 and 4 wire mechanical interlocks.	CA3430MI
For 30A, 5 wire mechanical interlocks.	CA530MI
For 60A mechanical interlocks.	CA60MI

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	HBLRFT2 [∆]
Note: ^A Package of 10 feet and 10 screws.	



CA3430MI



HBLRFT2

Specifications

Typical Specifications

Manufacturer's Identification Hubbell HBL460MIF7W

Description Fused Circuit-Lock Pin and Sleeve Mechanical Interlock

Electrical Type 3 Pole + Earth

Rating 60A, 480V AC, 3 Phase

IEC 60309-2, UL1686C2, Clock Position 7 Configuration Enclosure Type Indoor and Outdoor - 4X (Watertight, Washdown)

Indoor - 12 (Dust-tight, Falling dirt)

Certification UL Listed for US and Canada

Materials

Hinge Spring

Part	Material
Base and Top	PBT
Handle	PBT
Conduit Hub	Zinc, 30A-1", 60A-11/4" NPT
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel
Mounting Inserts	Brass
Hinge Pin	Nickel-Plated Brass

Stainless Steel

Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the fuse door opened while the receptacle is energized. The switch cannot be turned on until the plug is inserted properly.

Performance

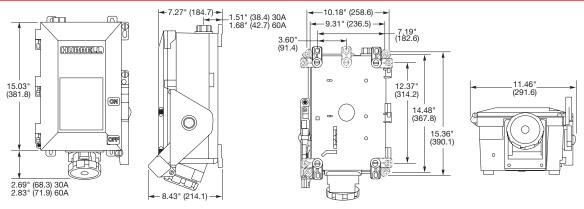
Electrical	
Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes
	at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.
Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle mount and color-coded.
Mounting	External adjustment feet.
Environmental	
Moisture Resistance	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

Amps	AC Voltage Rating	Standard	Maximum**	Mechanical Interlock	Use Pin and Sleeve Plug
30	3Ø 600V AC	7.5	20	HBL430MIF5W	HBL430P5W
30	3Ø 480V AC	5	15	HBL430MIF7W	HBL430P7W
30	3Ø 240V	3	7.5	HBL430MIF9W	HBL430P9W
30	120/240V AC	1.5*	3*	HBL430MIF12W	HBL430P12W
30	3ØY 277/480V	5	15	HBL530MIF7W	HBL530P7W
60	3Ø 600V AC	15	50	HBL460MIF5W	HBL460P5W
60	3Ø 480V AC	15	30	HBL460MIF7W	HBL460P7W
60	3Ø 240V AC	7.5	15	HBL460MIF9W	HBL460P9W
60	120/240V AC	3*	10*	HBL460MIF12W	HBL460P12W
60	3ØY 120/208V	7.5	15	HBL560MIF9W	HBL560P9W

Note: *208-240V AC L-L. **Requires time delay fuses.

Dimensions



Dimensions in Inches (mm)









BBEON



BB301W



BB601WSS



CAP60



FW6010055



FT202W



FW60100



AA2030PS

Back Boxes

Hubbell manufactures an extensive line of back boxes for use with IEC Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit. Hubbell back boxes are available in non-metallic and cast metal versions.

Non-Metallic 15° Angle Back Box

Description	NPT Hub Size*	Catalog Number
Back box for 16, 20, 30 and 32A devices.	1"	BB2030N
Back box for 60 and 63A devices.	11/4"	BB60N
Back box for 100 and 125A devices.	1½"	BB100N

Note: *Hub is not included; order one of the following Raco® part numbers: 1 in. = 1704, 11/4 in. = 1705, 11/2 in. = 1706. These boxes meets IP69k requirement and Type 4X requirements when installed with a watertight conduit hub.

Metallic 15° Angle Back Box and Adapter**

Description	NPT Hub Size	Stainless Steel	Cast Iron
Back box for 16, 20, 30 and 32A devices.	3/4"	BB201WSS	BB201W
	1"	BB301WSS	BB301W
Back box for 60 and 63A devices.	11/4"	BB601WSS	BB601W
	11/2"	-	BB602W
Back box for 100 and 125A devices.	1½"	BB1001WSS	BB1001W
	2"	BB1002WSS	BB1002W
Angle adapter only for 60, 63, 100 and 125A devices.	_	-	A A6010015

Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Adapter Plates

Required to mount Hubbell-PRO receptacles and inlets to Hu	obell Back Boxes
Description	Catalog Number
For Use with 16A, 20A, 30A and 32A	CAP2030
For Use with 60A and 63A	CAP60
For Use with 100A and 125A	CAP100

Metallic 55° Angle Back Box and Adapter**

Description	NPT Hub Size	Catalog Number
Feed-thru box back box and adapter for 16, 20, 30 and 32A devices.	1"	AB203055
Angle adapter only.	_	A A 203055
Back box and adapter for 60, 63, 100 and 125A devices.	1½"	FW6010055
Angle adapter only.	-	A A6010055

Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Metallic Feed-Thru Back Box**

Description	NPT Hub Size	Catalog Number
Feed-thru box for 16, 20, 30 and 32A devices.	3/4"	FT202W
	1"	FT302W

Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Metallic Four-Way 15° Angle Back Box**

Description	NPT Hub Size	Catalog Number
Four-way box for 60, 63, 100 and 125A devices.	1½"	FW60100

Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Straight Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve	HBL2030AP
devices to 2-gang, device boxes and FD boxes.	

Angle Wall Box Adapter

Aligie Wali Box Adaptei	
Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve	AA2030PS

Note: Adapts 20 and 30A Watertight Pin and Sleeve receptacle to single, 2-gang standard wall box and 4 or 411/16 inch square for non-watertight applications.

Accessories

Closure Caps

Cap assemblies provide watertight sealing to a disconnected male IEC Pin and Sleeve plug or inlet. Manufactured of the same tough non-metallic material as the watertight IEC Pin and Sleeve devices for corrosion and abuse resistance.

Description	Catalog Number
Fits all 16 and 20A, 3 wire plugs and inlets.	PC320
Fits all 16 and 20A, 4 wire plugs and inlets.	PC420
Fits all 16 and 20A, 5 wire plugs and inlets.	PC520
Fits all 30 and 32A, 3 and 4 wire plugs and inlets.	PC3430
Fits all 30 and 32A, 5 wire plugs and inlets.	PC530
Fits all 60 and 63A plugs and inlets.	PC60
Fits all 100 and 125A plugs and inlets.	PC100



PC3430

Cover Assemblies

Replacement cover assemblies for use with watertight connector bodies and receptacles. Exact replacement cover assemblies required to maintain proper water ingress. They are not reverse compatible. Replacement covers are not interchangeable. Kit contains cover, arm assembly and installation tool.

Description	Catalog Number	Catalog Number
Fits all 16 and 20A, 3 wire watertight female devices. Fits all 16 and 20A, 4 wire watertight female devices. Fits all 16 and 20A, 5 wire watertight female devices.	CA320 CA420 CA520	HBLCA320 HBLCA420 HBLCA520
Fits all 30 and 32A, 3 and 4 wire watertight female devices. Fits all 30 and 32A, 5 wire watertight female devices.	CA3430 CA530	HBLCA3430 HBLCA530
Fits all 60 and 63A watertight female devices.	CA60	HBLCA60
Fits all 100 and 125A watertight female devices.	CA100	HBLCA100

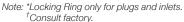




Cord Clamp and Locking Ring

Replacement cord clamp and locking ring for use with IEC plugs, connectors and inlets.

Description	Cord Clamp and Locking Ring	Locking Ring Only
Fits all 16 and 20A, 3 wire plugs, connectors and inlets. Fits all 16 and 20A, 4 wire plugs, connectors and inlets. Fits all 16 and 20A, 5 wire plugs, connectors and inlets.	CC320 CC420 CC520 [†]	LR320* LR420* LR520*
Fits all 30 and 32A, 3 and 4 wire plugs, connectors and inlets. Fits all 30 and 32A, 5 wire plugs, connectors and inlets.	CC3430 CC530 [†]	LR3430* LR530*
Fits all 60 and 63A plugs, connectors and inlets.	CC60	LR60*
Fits all 100 and 125A plugs, connectors and inlets.	CC100	LR100*







LR3430

SAB34



Liquidtight Adapters

Machined aluminum or non-metallic adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of a Hubbell Pin and Sleeve plug or connector. To install, remove cord grip and two gland cap screws. Use screws to attach adapter. Kellems[®] liquidtight conduit connectors are available to control arc of bend and to prevent conduit pull-out where vibration, motion or strain is present. These grips interface directly with Hubbell's liquidtight adapters and are available in a wide variety of NPT sizes and configurations. Consult your local code grounding requirements before using liquidtight adapters.

O .	,	0 0 1		0 1 0 1	
Rating of Hubbell	Liquidtight	Liquid	ltight Adapters	Optional Kellems	
Pin and Sleeve Device	Conduit Size	Aluminum	Non-Metallic	Liquidtight Conduit Grip	
16 and 20 Amp	½" NPT	SAA12	-	074093402	
3 and 4 Wire	3/4" NPT	SAA34	_	074093403	
16 and 20 Amp 5 wire	½" NPT	SAB12	_	074093402	
and 30 and 32 Amp 3 and 4 wire	3/4" NPT	SAB34	_	074093403	
	1" NPT	SAB100	_	074093404	
30 and 32 Amp 5 wire	½" NPT	SAC12	SAC12NM	074093402	
and 60 and 63 Amp (all)	34" NPT	SAC34	SAC34NM	074093403	
	1" NPT	SAC100	SAC100NM	074093404	
	11/4" NPT	SAC125	_	074093405	
100 and 125 Amp (all)	11/4" NPT	SAD125	_	074093405	
	1½" NPT	SAD150	_	074093406	







Features and Benefits

20 and 30 Amps Low Profile

Hubbell's Low Profile Pin and Sleeve devices were designed to save space without sacrificing pin and sleeve strength, safety and convenience. The small compact design of these plugs is ideal for indoor applications where space is at a premium.

These devices are fully interchangeable with standard IEC 60309 pin and sleeve. They are a perfect fit for tight situations frequently found in hotels, restaurants, convention centers, warehouses, assembly benches and offices.







Housing Design

- Nylon construction, both interior and exterior are made of tough, durable nylon
- Shrouded, recessed pins are protected from impact and abuse



Cord Grip

• Integrated cord grip limits strain on terminals, keeps cord connected



- Large markings for easy recognition results in ease of wiring on the assembly line or in the field
- Shroud protects personnel from exposure to arcing



Brass Box Terminal

- Permits high clamping pressure on conductors without damaging wire strands for best electrical conductivity
- Solid one-piece pins construction, for long life, reliable electrical contact and maximum conductivity



Identification

- Color coding for quick, easy visual identification of mating devices
- Ratings and certification are molded into the nylon housing for easy identification and reordering



Split Sleeves

- Self-adjusting stainless steel springs assure constant contact pressure (20A and 30A). On 60A devices, Beryllium copper insert with multiple contact points assures easy insertion and a tight fit
- Stainless steel terminal screws resist rust and corrosion







Low Profile Devices

		Rating		Devices	3	Cord Diameter
Amps	Poles and Wires	Configuration Recep./ Plug/ Conn. Inlet	AC Voltage	Plug	Receptacle	Min. Max. Inches (mm)
20	3P 4W		3Ø 250V	_	L420R9	.350"710" (8.3 - 15.9)
30	3P 4W		125/250V	L430P12	L430R12	.390"775" (9.9 - 19.7)
30	3P 4W		3Ø 250V	L430P9	L430R9	.390"775" (9.9 - 19.7)
Amps	Poles and Wires	Configuration Recep./ Plug/ Conn. Inlet	AC Voltage	Plug	Receptacle	Min. Max. Inches (mm)
60	3P 4W		3Ø 250V	A460P9 With Cover:	A460R9 A460R9KIT	.75" - 1.25" (19.1 - 31.8)
Amps	Poles and Wires	Configuration Recep./ Plug/ Conn. Inlet	AC Voltage	Plug	Receptacle	Min. Max. Inches (mm)
60	4P 5W		3ØY 120/208V	A560P9	HBL560R9W	.89" - 1.42" (22.6 - 36.1)
100	4P 5W		3ØY 120/208V	A5100P9	HBL5100R9W	1.34" - 1.50" (34.0 - 38.1)

Electrical	
Dielectric Withstand Voltage Max. Working Voltage Current Interrupting Temperature Rise	3000V AC 250V RMS Certified for current interruption at full rated current. Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated
Endurance	current at a power factor of 75%. Up to 5,000 connect and disconnect cycles at full rated current and voltage.
Mechanical	
Impact Resistance Cord Grip Cable Retention Cord Accommodation	Per CSA C22.2 No. 182.1 / UL1682 Per CSA C22.2 No. 182.1 / UL1682 Round portable service cords of diameters commensurate with the device rating as defined in UL standard 62, CSA C22.2 No. 49 and the <har> European Standards.</har>
Terminal Identification	Terminals identified in accordance with North American convention.
Product Identification	Ratings are a permanent part of the device housing.
Environmental	
Flammability Ingress Protection Operating Temperatures	HB or better per UL94 or CSA C22.2 No. 0.17 IP22 Suitability Maximum Continuous 75° C; Minimum -40°C without impact

Application Guide

Agriculture Indoor location and maintenance. Chemical Processing Indoor location and maintenance. Construction Indoors for added safety and abuse resistance. Entertainment Indoor location and maintenance. Food Service Food service areas where aesthetics and space are concerns. Light Manufacturing Indoor locations and maintenance. Manufacturing Light assembly areas, stamping operations and maintenance areas. Military Warehouse and maintenance areas.

Materials

Plug	Material
Case	PBT
Shroud	PBT
Pin Carrier 20 & 30A	PBT
Pin and Carrier 60A	High-Impact Thermoset
Pins	Brass CDA#360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)
Receptacle	
Body	PBT
Sleeve Carrier 20 & 30A	PBT
Sleeve Carrier 60A	High-Impact Thermoset
Sleeves	Brass CDA #360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)
Adapter Plate 20 & 30A	Galvanized Steel
Adapter Plate 60A	Aluminum
Wall Trim Plate	PBT

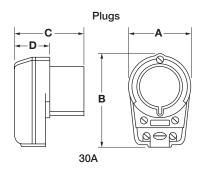
Note: See page G-29 for product dimensions.

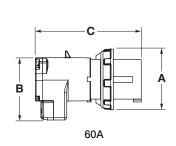
Panel Mount Trim Plate Stainless Steel (300 series)

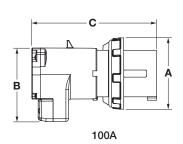
Plug Dimensions

Туре	А	В	С	D	Cord Range Diameter	
L430P12	2.97" (75.4)	4.18" (106.2)	3.50" (88.9)	1.71" (43.4)	.390"775" (9.9-19.7)	
A460P9	3.38" (85.9)	4.25" (108.0)	7.00" (177.8)	-	.75"-1.25" (19.1- 31.8)	
A5100P9	4.92" (125.00)	5.07" (128.81)	8.60" (218.35)	_	1.34"-1.50" (34.0- 38.1)	

Angled Plugs



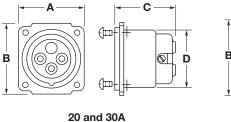


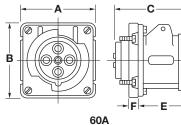


Wall Mount Receptacle Dimensions

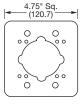
Туре	А	В	С	D	Е	F
L420R9	2.60" (66.0)	2.81" (71.4)	2.28" (57.9)	2.38" (60.5)	_	-
L430R12	3.12" (79.2)	3.12" (79.2)	2.77" (70.4)	2.76" (70.1)	-	-
A460R9	4.50" (114.3)	4.50" (114.3)	4.48" (113.8)	-	3.62" (91.9)	.50" (12.7)

Wall Mount Receptacles

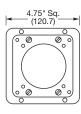




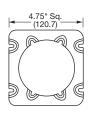
Adapter Plate (Included with "L" and "A" series receptacles)



20AMounting
2-gang box



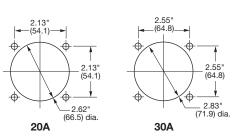
30AMounting
2-gang box



60A

Mounting
2-gang box
and 411/16" box

Panel Cutout



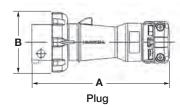
Dimensions in Inches (mm)

IEC Pin and Sleeve Terminal Identification - Rear View

			Terminal Marking Pattern*					
		Rating	Rece	otacle and Connector	F	Plug and Inlet		
Description	Domestic	International	Domestic	International	Domestic	International		
3 Wire	125V AC 277V AC	100-130V	White	Green	White	Green		
3 Wire	250V AC 480V AC 600V AC	200-250V 380-415V AC	Green		(Green			
4 Wire	125/250V AC 1ØY 120/208V	_	White		White White Green			
4 Wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC	*Pilot		*Pilot			
5 Wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz	White Pilot		*Pilot V	/hite		

Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.

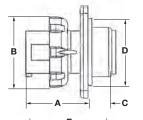
*Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.

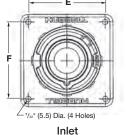


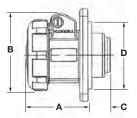


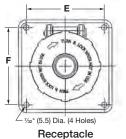


A Connector Body









Dimensions in Inches (mm)

Plug Dimensions

Туре	Α	В	Cord Grip Range
HBL320P	6.61" (167.8)	2.87" (73.0)	.330"830" (8.4-21.1)
HBL420P	7.00" (177.8)	3.19" (81.0)	.330"830" (8.4-21.1)
HBL520P	7.65" (194.3)	3.50" (89.0)	.330"830" (8.4-21.1)
HBL330P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL430P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL530P	8.54" (216.9)	4.02" (102.0)	.500"-1.450" (12.7-36.8)
HBL360P, HBL460P, HBL560P	10.15" (257.8)	4.49" (114.0)	.500"-1.450" (12.7-36.8)
HBL3100P, HBL4100P, M4100P, HBL5100P, M5100P	12.63" (320.8)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Short Housing Plug Dimensions

Туре	А	В	Cord Grip Range
HBL5100P9WSH	8.30" (210.8	32) 4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Connector Body Dimensions

comission board barriers			
Туре	Α	В	Cord Grip Range
HBL320C	7.21 (183.1)	3.10 (78.9)	.330"830" (8.4-21.1)
HBL420C	7.57 (192.3)	3.43 (87.2)	.330"830" (8.4-21.1)
HBL520C	8.24 (209.2)	3.71 (94.3)	.330"830" (8.4-21.1)
HBL330C	8.24 (209.2)	3.71 (94.3)	.375"-1.250" (9.5-31.8)
HBL430C	8.69 (220.6)	3.74 (95.0)	.375"-1.250" (9.5-31.8)
HBL530C	9.33 (237.0)	4.02 (102.1)	.500"-1.450" (12.7-36.8)
HBL360C, HBL460C, HBL560C	10.75 (272.9)	4.39 (111.5)	.500"-1.450" (12.7-36.8)
HBL3100C, HBL4100C, M4100C, HBL5100C, M5100C	13.14 (333.8)	5.06 (128.5)	1.065"-1.940" (27.1-49.3)

Inlet Dimensions

Туре	Α	В	С	D	E	F
HBL320B	2.54" (64.5)	1.85" (47.0)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL420B	2.54" (64.5)	2.11" (53.6)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL520B	2.54" (64.5)	2.41" (61.2)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL330B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL430B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530B	2.99" (76.0)	2.75" (69.9)	1.04" (26.5)	2.80" (71.0)	3.75" (95.3)	3.13" (79.5)
HBL360B, HBL460B, HBL560B	4.04" (102.6)	2.97" (75.5)	1.18" (30.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.5)
HBL3100B, HBL4100B, M4100B, HBL5100B, M5100B	4.53" (115)	3.44" (87.5)	1.95" (49.5)	3.94" (100.0)	5.50" (139.7)	4.88" (124.0)

Receptacle Dimensions

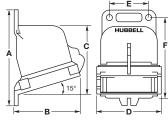
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Туре	Α	В	С	D	Е	F
HBL320R	2.47 (62.8)	3.10 (78.9)	.91 (23.0)	2.71 (68.9)	3.75 (95.3)	3.13 (79.4)
HBL420R	2.46 (62.4)	3.43 (87.2)	.91 (23.0)	2.71 (68.9)	3.75 (95.3)	3.13 (79.4)
HBL520R	2.50 (63.4)	3.71 (94.3)	.90 (22.9)	2.71 (68.9)	3.75 (95.3)	3.12 (79.3)
HBL330R	2.74 (69.7)	3.74 (95.0)	1.04 (26.5)	2.71 (68.9)	3.75 (95.3) SQ	4X 3.13 (79.4) SQ
HBL430R	2.74 (69.7)	3.74 (95.0)	1.04 (26.5)	2.71 (68.9)	3.75 (95.3) SQ	4X 3.13 (79.4) SQ
HBL530R	2.75 (69.7)	4.02 (102.1)	1.04 (26.5)	2.83 (71.9)	3.75 (95.3) SQ	3.13 (79.4) SQ
HBL360R, HBL460R, HBL560R	3.67 (93.2)	4.39 (111.5)	1.57 (40.0)	3.45 (87.7)	4.50 (114.3) SQ	3.88 (98.4) SQ
HBL3100R, HBL4100R, M4100R, HBL5100R, M5100R	3.78 (96.1)	5.07 (128.7)	2.30 (58.5)	3.93 (99.8)	4.87 (123.7) SC	5.50 (139.7) SQ

Note: 20, 30, 60 and 100A devices are dimensionally equivalent to 16, 32, 63 and 125A devices, respectively.

Non-Metallic 15° Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	BB2030N
Back box for 60 & 63A devices.	11/4"	7.76" (197.0)	5.16" (131.0)	5.87" (149.0)	4.72" (120.0)	2.99" (76.0)	6.94" (176.0)	70.00"	BB60N
Back box for 100 & 125A devices.	1½"	8.21" (209.0)	6.23" (158.0)	6.31" (160.3)	5.71" (145.0)	3.99" (101.0)	7.41" (188.0)	120.00"	BB100N

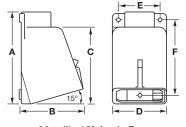
Note: "Hub is not included; order one of the following Raco® part numbers: 1 inch = 1704, 11/4 inch = 1705, 11/2 inch = 1706. These boxes meet IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.



Non-Metallic Angle Box

Metallic 15° Angle Back Box

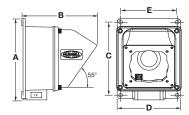
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	3/4"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	BB201W
Back box for 16, 20, 30 & 32A devices.	1"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	BB301W
Back box for 60 & 63A devices.	11⁄4"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	BB601W
Back box for 60 & 63A devices.	1½"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	BB602W
Back box for 100 &125A devices.	1½"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	BB1001W
Back box for 100 & 125A devices.	2"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	BB1002W



Metallic 15° Angle Box

Metallic 55° Angle Back Box and Adapter

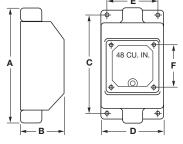
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box and angle adapter for 16, 20, 30 & 32A devices.	1"	6.80" (172.4)	6.60" (167.0)	5.63" (142.9)	4.50" (114.3)	3.74" (95.0)	-	42.27"	AB203055
Angle adapter for 16, 20, 30 & 32A devices.	-	4.89" (124.3)	3.33" (84.6)	4.29" (109.0)	3.75" (95.2)	2.50" (63.5)	-	25.00"	AA203055
Back box and angle adapter for 60, 63, 100 & 125A devices.	1½"	8.50" (215.9)	8.00" (202.9)	7.75" (196.8)	6.90" (174.8)	6.00" (152.4)	-	100.00"	FW6010055
Angle adapter for 60, 63, 100 & 125A devices.	-	6.75" (171.4)	4.48" (113.7)	6.00" (152.4)	6.75" (171.4)	6.00" (152.4)	-	79.00"	A A6010055



Metallic 55° Angle Box

Metallic Feed-Thru Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box for 16, 20, 30 & 32A devices.	3/4"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	FT202W
Feed-thru box for 16, 20, 30 & 32A devices.	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	FT302W

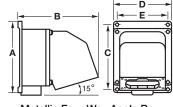


Metallic Feed-Thru Box

Metallic Four-Way 15° Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Four-way box for 60, 63, 100 & 125A devices.	1½"	8.75" (222.3)	9.75" (247.7)	7.75" (196.9)	6.75" (171.5)	6.00" (152.4)	-	210.00"	FW60100

Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL rain tight and external icing test.



Metallic Four-Way Angle Box

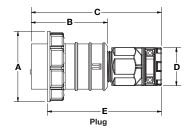
Dimensions in Inches (mm)

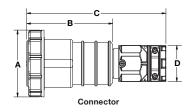
Watertight Series

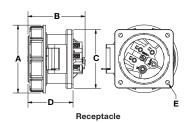
Product Dimensions Inches (mm)

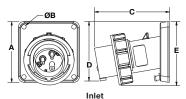
	Α	В	С	D	E
Plug	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
C320P	2.78" (70)	3.62" (94)	5.98" (152)	1.73" (44)	5.20" (132)
C420P	2.78" (70)	3.7" (94)	6.3" (1e0) [^]	1.73" (44)	5.39" (137)
C520P	3.41" (86)	3.61" (92)	6.34" (161)	1.85" (47)	5.55" (141)
C330P, C430P	3.7" (94)	4.49" (114)	8.03" (204)	2.32" (59)	6.81" (173)
C530P	4.0" (101)	4.49" (114)	8.11" (206)	2.32" (59)	6.73" (171)
C360P, C460P, C560P	4.47" (114)	6.0" (153)	10.24" (260)	2.83" (72)	8.19" (208)
C3100P, C4100P, C5100P	4.94" (126)	6.73" (171)	12.13" (308)	3.58" (91)	9.88" (251)
C316P	2.78" (70)	3.62" (94)	5.21" (132)	1.73" (44)	4.53" (115)
C416P	2.78" (70)	` ,	5.21" (132)	` ,	
	` '	3.62" (94) 3.62" (94)	5.43" (138)	1.85" (47) 1.73" (44)	4.3" (109) 4.26" (108)
C516P	3.41" (86) 3.7" (94)	` '		` '	` ,
C332P, C432P	4.0" (101)	4.49" (114)	6.54" (166) 6.54" (166)	2.32" (59) 2.32" (59)	5.44" (138)
C532P	` ,	4.49" (114)	` ,		5.16" (131)
C363P, C463P, C563P	4.47" (114)	6.0" (153)	8.44" (214)	2.83" (72)	6.39" (162)
C3125P, C4125P, C5125P	4.94" (126)	6.73" (171)	9.77" (248)	3.58" (91)	7.52" (191)
Connector					
C320C	2.78" (70)	4.29" (109)	6.77" (172)	1.73" (44)	
C420C	3.09" (78)	4.29" (109)	6.89" (175)	1.85" (47)	
C520C	3.41" (86)	4.41" (112)	7.2" (183)	1.73" (44)	
C330C, C430C	3.7" (94)	5.35" (136)	8.78" (223)	2.32" (59)	
C530C	4.0" (101)	5.35" (136)	8.98" (228)	2.32" (59)	
C360P, C460P, C560P	4.37" (111)	6.85" (174)	11.06" (285)	2.83" (72)	
C3100C, C4100C, C5100C	4.92" (125)	7.44" (189)	12.83" (326)	3.58" (91)	
C316C	2.78" (70)	4.29" (109)	5.88" (149)	1.73" (44)	
C416C	3.7" (94)	4.29" (109)	5.88" (149)	1.85" (47)	
C516C	4.0" (101)	4.41" (112)	6.22" (157)	1.73" (44)	
C332C, C432C	4.37" (111)	5.35" (136)	7.44" (187)	2.32" (59)	
C532C	4.37" (111)	5.35" (136)	7.4" (187)	2.32" (59)	
C363C, C463C, C563C	4.37" (111)	6.85" (174)	9.29" (235)	2.83" (72)	
C3125C, C4125C, C5125C	4.92" (125)	7.44" (189)	10.48" (266)	3.58" (91)	
Receptacle					
C316R, C320R	2.78" (70)	2.83" (72)	2.95" (75)	2.17" (55)	0.22" (5)
C416R, C420R	3.09" (78)	3.23" (82)	2.95" (75)	2.24" (57)	0.22" (5)
C516R, C520R	3.39" (86)	2.83" (72)	2.95" (75)	2.17" (55)	0.22" (5)
C330R, C430R, C332R, C432R	3.7" (94)	4.25" (108)	2.95" (75)	2.68" (68)	0.22" (5)
C530R, C532R	3.98" (101)	4.33" (110)	2.95" (75)	2.52" (64)	0.22" (5)
All 60A & 63A	4.37" (111)	5.2" (132)	3.94" (100)	2.95" (75)	0.22 (3)
All 100 & 125A	4.92" (125)	6.42" (163)	4.72" (120)	4.53" (115)	0.28" (7)
All 100 & 123A	4.82 (123)	0.42 (103)	4.72 (120)	4.55 (115)	0.20 (1)
Inlet					
C316B, C320B	3.35" (85)	0.25" (6)	4.06" (103)	3.31" (84)	3.5" (89)
C416B, C420B	3.35" (85)	0.25" (6)	4.29" (109)	3.46" (88)	3.7" (94)
C516B, C520B	3.35" (85)	0.25" (6)	4.53" (115)	3.66" (93)	3.9" (99)
C330B, C430B, C332B, C432B	3.35" (85)	0.25" (6)	4.72" (120)	3.78" (96)	4.06" (103)
C530B, C532B	3.35" (85)	0.25" (6)	5.28" (134)	4.17" (106)	4.45" (113)
All 60A & 63A	3.94" (100)	0.26" (7)	6.1" (155)		4.92" (125)
All 100 & 125A	4.72" (120)	0.26" (7)	5.91" (150)	5.12" (130)	5.35" (136)
Angled Receptacle					
C316AR, C320AR	2.44" (62)	0.22" (5)	3.23" (82)	2.09" (53)	3.19" (81)
C416AR, C420AR	3.62" (92)	0.22" (5)	3.27" (83)	2.2" (56)	3.43" (87)
C516AR, C520AR	3.35" (85)	0.22" (5)	3.46" (88)	2.32" (59)	3.82" (97)
C330AR, C332AR, C430AR, C432AR		0.22" (5)	4.76" (121)	2.72" (69)	4.02" (102)
C530AR, C532AR	3.35" (85)	0.22" (5)	4.61" (117)	2.72" (69)	4.37" (111)
All 60AR	4.49" (114)	0.26" (6)	5.67" (144)	3.15" (80)	4.69" (111)
All 100AR	4.49" (114)	0.26" (6)	6.81" (173)	3.13 (80)	5.28" (134)
/ III TOU/III	7.70 (114)	0.20 (0)	3.01 (173)	0.0 (03)	0.20 (104)

IP67 SUITABILITY

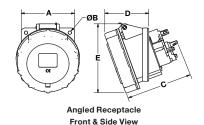






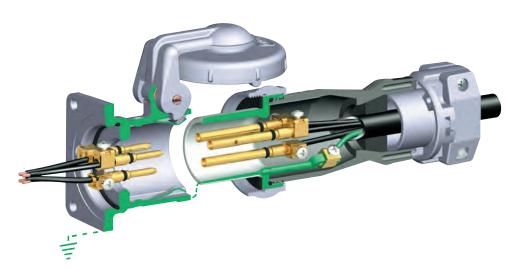


Front & Side View



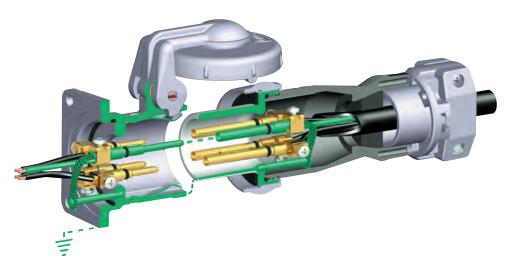
Ground Path

To reduce the likelihood of electrical shock, the National Electrical Code requires that non-current carrying metallic components be grounded. Insulgrip Pin and Sleeve wiring devices offer two styles of grounding.



Style I

Receptacles achieve grounding by attaching the ground conductor to the ground screw inside the back box and utilizing the metallic receptacle shell as a ground source (see 3P 4W Style I illustration). Plugs and connectors establish grounding by means of connecting the flexible cable ground conductor to a ground terminal within each device, which, in turn, is grounded through the metallic plug or connector shroud. Any exposed metallic components are suitably grounded in the Style I offering.



Style II

The Style II ground path offers two means of achieving the proper ground path. In addition to utilizing the same grounding method as in the Style I product, the Style II version incorporates a separate ground pin and sleeve (see 3P 4W Style II illustration). This provides a second ground path. The ground pin on Style II devices is longer than other pins, meaning that they "make first" and "break last," assuring protection for people and equipment.

New Pole and Wire Terminology

	Style I			Style II	
New	Old	No. of Contacts	New	Old	No. of Contacts
2P 3W	2W 2P	2	2P 3W	2W 3P	3
3P 4W	3W 3P	3	3P 4W	3W 4P	4
4P 5W	4W 4P	4			



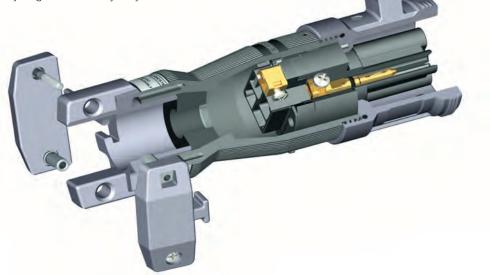
TYPE 4X

Features and Benefits

UL 1686 C1 Insulgrip® Pin and Sleeve Devices

UL standard 1686-C1 configurations are uniform throughout the industry. That means Hubbell–the name that sets the standard for pin and sleeve performance, reliability, durability, innovation and ease of use should be your standard.

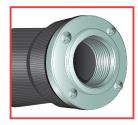
Hubbell's line of heavy duty Insulgrip[®] Pin and Sleeve wiring devices not only offers complete interchangeability, it delivers the goods when it comes to superior design and construction. Hubbell Insulgrip Pin and Sleeve devices are engineered and built to handle today's most demanding work environments, making Hubbell the unsurpassed heavyweight in the heavy duty market.





Housing Design

- Thermoplastic housing provides excellent insulating, impact, corrosion, and UV resistant properties. Protects users and internal components in the roughest of environments
- Spring-loaded, gasketed cover provides a UL Type 4X watertight, dust-tight seal on connectors and receptacles



Liquidtight Conduit Adapters

 Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector



Powerful Mechanical Cord Grip

- Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations
- Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention



Terminal Entrance Holes

- Large, square funneled entrance holes isolate each conductor to protect against shorts due to stray conductor strands
- Tapered hole provides a fast and easy guide into the termination chamber
- Pin chamber confines arcing within the interior chamber during make and break cycle of mating devices, minimizes arc tracking



Watertight Cord Entrance

- The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord
- Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance



Anti-Vibration Box Terminals

- Interlocking box terminals ensure that terminal screws remain secure and cannot loosen
- The floating box is designed to obtain high-torque values without damaging stranded conductors



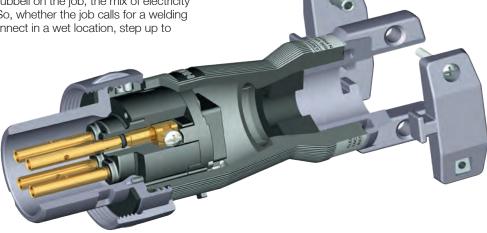
Features and Benefits

TYPE 47

UL 1686 C1 Insulgrip® Pin and Sleeve Devices

Metallic where you want It, non-metallic where you need it. Different from traditional all-metallic devices, Hubbell Pin and Sleeve wiring devices are designed to provide metallic shrouding where you want it and a non-metallic housing where you need it.

What's more, Hubbell's watertight Insulgrip Pin and Sleeve wiring devices are designed with safety first and foremost. We created the line with plant facility maintenance personnel and a safer industrial work environment in mind. To greatly reduce the likelihood of electrical shock, we developed our exclusive nonmetallic watertight system, meaning that with Hubbell on the job, the mix of electricity and water isn't the threat it once was. So, whether the job calls for a welding outlet in a dry location or a motor disconnect in a wet location, step up to Hubbell Pin and Sleeve wiring devices.





Housing Design

- Thermoplastic housing provides excellent insulating, impact, corrosion, and UV resistant properties. Protects users and internal components in the roughest of environments
- Locking ring provides a UL Type 4X watertight and dust-tight seal when the male and female devices are connected



Shrouded Sleeves

- Housing seal provides a watertight and dust-tight seal when mated with receptacle or connector
- Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts
- Shroud protects contact sleeves from deforming from physical abuse



Interior Design

- Sleeve O-ring seal provides a watertight and dust-tight seal around the sleeves. Assures that contamination will not enter wire chamber
- All-brass sleeve contacts provide reliable electrical contact with mating pins, also with minimum heat build-up over time



Thermoset Polyester Contact Carrier

- Molded thermoset polyester provides high resistance to electrical tracking
- Withstands higher temperatures which may result from overload or arcing
- Thermoset properties provide dimensional stability for this critical assembly



Product Marking

 Catalog number and rating visible while in use. Markings are color coded differentiating Style I and Style II devices



Beryllium Copper Spring-Pin Design (Patented)

 Maintains high unit pressure on mating sleeves. Ensures reliable electrical contact while minimizing heat rise due to normal pin wear over time



30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz

		Rating			Style I Devices	'	Replacem	ent Interiors
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS1W	HBL330PS1W	HBL330CS1W	IN330FS1	IN330MS1
	3P 4W	(3)	600/250	HBL430RS1W	HBL430PS1W	HBL430CS1W	IN430FS1	IN430MS1
	4P 5W		600/250	HBL530RS1W	HBL530PS1W	HBL530CS1W	IN530FS1	IN530MS1
60	2P 3W		600/250	HBL360RS1W	HBL360PS1W	HBL360CS1W	IN360FS1	IN360MS1
	3P 4W	⑤	600/250	HBL460RS1W	HBL460PS1W	HBL460CS1W	IN460FS1	IN460MS1
	4P 5W		600/250	HBL560RS1W	HBL560PS1W	HBL560CS1W	IN560FS1	IN560MS1
100	2P 3W		600/250	HBL3100RS1W	HBL3100PS1W	HBL3100CS1W	IN3100FS1	IN3100MS1
	3P 4W		600/250	HBL4100RS1W	HBL4100PS1W	HBL4100CS1W	IN4100FS1	IN4100MS1
	4P 5W		600/250	HBL5100RS1W	HBL5100PS1W	HBL5100CS1W	IN5100FS1	IN5100MS1
200	3P 4W		600/250	HBL4200RS1W	HBL4200PS1W	HBL4200CS1W	IN4200FS1 [†]	IN4200MS1 [†]
	4P 5W		600/250	HBL5200RS1W	HBL5200PS1W	HBL5200CS1W	IN5200FS1 [†]	IN5200MS1 [†]
		Rating			Style II Devices		Replacem	ent Interiors
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS2W	HBL330PS2W	HBL330CS2W	IN330FS2	IN330MS2
	3P 4W		600/250	HBL430RS2W	HBL430PS2W	HBL430CS2W	IN430FS2	IN430MS2
60	2P 3W		600/250	HBL360RS2W	HBL360PS2W	HBL360CS2W	IN360FS2	IN360MS2
	3P 4W		600/250	HBL460RS2W	HBL460PS2W	HBL460CS2W	IN460FS2	IN460MS2
100	2P 3W		600/250	HBL3100RS2W	HBL3100PS2W	HBL3100CS2W	IN3100FS2	IN3100MS2
	3P 4W		600/250	HBL4100RS2W	HBL4100PS2W	HBL4100CS2W	IN4100FS2	IN4100MS2
200	2P 3W	•	600/250	HBL3200RS2W	HBL3200PS2W	HBL3200CS2W	IN3200FS2 [†]	IN3200MS2†
	3P 4W		600/250	HBL4200RS2W	HBL4200PS2W	HBL4200CS2W	IN4200FS2 [†]	IN4200MS2 [†]

		Rating		Co	orrosion Resistant De	vices	Acce	ssories
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Back Boxes	Angle Adapter
200	4P 5W		600/250	M5200RS1	M5200PS1	M5200CS1	MB2003W MB2004W	AA20045

Note: *CAUTION: To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.

**While in use or with cover closed.

†Consult factory.
See page AA-19 for corrosion resistant cord sets.



30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz

		Rating		"Reve	rsed Service" Style I	Devices	Replacem	ent Interiors
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS1WR	HBL330PS1WR	HBL330CS1WR	IN330MS1	IN330FS1
	3P 4W		600/250	HBL430RS1WR	HBL430PS1WR	HBL430CS1WR	IN430MS1	IN430FS1
	4P 5W		600/250	HBL530RS1WR	HBL530PS1WR	HBL530CS1WR	IN530MS1	IN530FS1
60	2P 3W		600/250	HBL360RS1WR	HBL360PS1WR	HBL360CS1WR	IN360MS1	IN360FS1
	3P 4W		600/250	HBL460RS1WR	HBL460PS1WR	HBL460CS1WR	IN460MS1	IN460FS1
	4P 5W		600/250	HBL560RS1WR	HBL560PS1WR	HBL560CS1WR	IN560MS1	IN560FS1
100	2P 3W		600/250	HBL3100RS1WR	HBL3100PS1WR	HBL3100CS1WR	IN3100MS1	IN3100FS1
	3P 4W		600/250	HBL4100RS1WR	HBL4100PS1WR	HBL4100CS1WR	IN4100MS1	IN4100FS1
	4P 5W		600/250	HBL5100RS1WR	HBL5100PS1WR	HBL5100CS1WR	IN5100MS1	IN5100FS1
200	3P 4W		600/250	HBL4200RS1WR	HBL4200PS1WR	HBL4200CS1WR	IN4200MS1 [†]	IN4200FS1 [†]
	4P 5W		600/250	HBL5200RS1WR	HBL5200PS1WR	HBL5200CS1WR	IN5200MS1†	IN5200FS1 [†]
		Rating		"Reve	rsed Service" Style II	Devices	Replaceme	ent Interiors
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Connector & Receptacle	Plug
30	2P 3W		600/250	HBL330RS2WR	HBL330PS2WR	HBL330CS2WR	IN330MS2	IN330FS2
	3P 4W		600/250	HBL430RS2WR	HBL430PS2WR	HBL430CS2WR	IN430MS2	IN430FS2
60	2P 3W		600/250	HBL360RS2WR	HBL360PS2WR	HBL360CS2WR	IN360MS2	IN360FS2
	3P 4W		600/250	HBL460RS2WR	HBL460PS2WR	HBL460CS2WR	IN460MS2	IN460FS2
100	2P 3W		600/250	HBL3100RS2WR	HBL3100PS2WR	HBL3100CS2WR	IN3100MS2	IN3100FS2
	3P 4W		600/250	HBL4100RS2WR	HBL4100PS2WR	HBL4100CS2WR	IN4100MS2	IN4100FS2
200	2P 3W		600/250	HBL3200RS2WR	HBL3200PS2WR	HBL3200CS2WR	IN3200MS2 [†]	IN3200FS2 [†]
	3P 4W		600/250	HBL4200RS2WR	HBL4200PS2WR	HBL4200CS2WR	IN4200MS2 [†]	IN4200FS2 [†]

		Rating		"Reversed S	Service" Corrosion Res	istant Devices	Acces	ssories
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Receptacle	Plug	Connector	Back Boxes	Angle Adapter
200	4P 5W		600/250	M5200BS1R	M5200CS1R	_	MB2003W MB2004W	AA20045

Note: *CAUTION: To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.

**While in use or with cover closed.

†Consult factory.
See page AA-19 for corrosion resistant cord sets.





MB601003W

MB601006W



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Insulgrip Pin and Sleeve Metallic Back Boxes

Hubbell manufactures an extensive line of back boxes for use with UL 1686 Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit.

Metallic 30° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Back box for 30A devices.	30	3/4"	MB301W
	30	1"	MB302W

Metallic 15° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Back box for 60A devices.	60	1"	MB601W
	60	1¼"	MB602W
	60	1½"	MB603W

Metallic Feed-Thru Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Straight feed-thru box for	30	3/4"	MB303W
30A devices.	30	1"	MB304W
Straight feed-thru box for	60	1"	MB604W
60A devices.	60	11⁄4"	MB605W
	60	1½"	MB606W

Metallic Four-Way Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Four-way 15° angle box for	60/100	11/4"	MB601002W
60 and 100A devices.	60/100	11/2"	MB601003W
	60/100	2"	MB601004W
Four-way 45° angle box for	200	2"	MB2003W
200A devices.	200	21/2"	MB2004W
45° Angle adapter only for 200A devices.	200	-	AA20045

Metallic Four-Way Feed-Thru 15° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Four-way feed-thru, 15° angle	60/100	11/4"	MB601006W
for 60 and 100A devices.	60/100	1½"	MB601007W
	60/100	2"	MB601008W

Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Replacement Cord Clamp and Locking Ring

Description	Used on	Cord Clamp Catalog Number	Locking Ring Catalog Number
Fits all 30A plugs and connectors.	All 3, 4, 5 wire	CC3430	ILR1**
Fits all 60A plugs and connectors.	4 wire (Style 2) and all 5 wire	CC60	ILR2**
	All 3 wire and 4 wire (Style 1)	CC60	ILR3**
Fits all 100A plugs and connectors.	4 wire (Style 2) and all 5 wire	CC100	ILR4**
	All 3 wire and 4 wire (Style 1)	CC100	ILR5**
Fits all 200A plugs and connectors.	All 3, 4, 5 wire	CC201	_
Note: **Locking Ring only.			

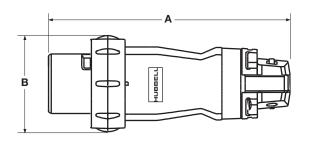
Liquidtight Adapters								
Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Hubbell Liquidtight Adapter	Optional Kellems Liquidtight Conduit Grip					
30 Amp	½" NPT	SAB12	074093402					
	¾" NPT	SAB34	074093403					
	1" NPT	SAB100	074093404					
60 Amp	1" NPT	SAC100	074093404					
	11/4" NPT	SAC125	074093405					
100 Amp	11/4" NPT	SAD125	074093405					
	1½" NPT	SAD150	074093406					

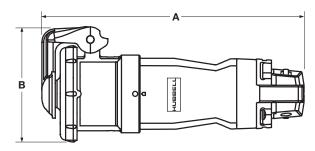
Plug Dimensions

Connector Body Dimensions

			A		В		Ī
Amps	Туре	Style I	Style II	Style I	Style II	Cord Grip Range	1
30	330P	7.53" (191)	7.53" (191)	3.00" (76)	3.00" (76)	.375-1.20" (9.5-30.5)	
	430P	7.53" (191)	7.53" (191)	3.00" (76)	3.00" (76)	.375-1.20" (9.5-30.5)	
	530P	7.53" (191)		3.00" (76)		.375-1.20" (9.5-30.5)	
60	360P	9.40" (239)	9.40" (239)	3.40" (86)	3.40" (86)	.500-1.45" (12.7-36.8)	
	460P	9.40" (239)	9.40" (239)	3.40" (86)	3.70" (94)	.500-1.45" (12.7-36.8)	
	560P	9.40" (239)		3.70" (94)		.500-1.45" (12.7-36.8)	
100	3100P	10.70" (272)	10.70" (272)	3.70" (94)	3.70" (94)	.925-1.94" (27.0-49.3)	
	4100P	10.70" (272)	10.90" (277)	3.70" (94)	4.00" (102)	.925-1.94" (27.0-49.3)	
	5100P	10.90" (277)		4.00" (102)		.925-1.94" (27.0-49.3)	
200	3200F)	11.13" (282)		6.35" (161)	1.00-2.50" (25.4-63.5)	
	4200F	11.13" (282)	11.13" (282)	6.35" (161)	6.70" (170)	1.00-2.50" (25.4-63.5)	
	5200F	11.13" (282)		6.70" (170)		1.00-2.50" (25.4-63.5)	

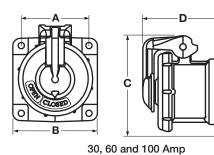
				A		В	
	Amps	Type	Style I	Style II	Style I	Style II	Cord Grip Range
	30	330C	8.38" (213)	8.38" (213)	3.74" (95)	3.74" (95)	.375-1.20" (9.5-30.5)
		430C	8.38" (213)	8.38" (213)	3.74" (95)	3.74" (95)	.375-1.20" (9.5-30.5)
		530C	8.38" (213)		3.74" (95)		.375-1.20" (9.5-30.5)
	60	360C	9.90" (251)	9.90" (251)	3.50" (89)	3.50" (89)	.500-1.45" (12.7-36.8)
		460C	9.90" (251)	10.10" (256)	3.50" (89)	3.80" (96)	.500-1.45" (12.7-36.8)
		560C	10.10" (256)		3.80" (96)		.500-1.45" (12.7-36.8)
	100	3100C	11.70" (297)	11.70" (297)	4.50" (114)4.50" (114)	.925-1.94" (27.0-49.3)
		4100C	11.70" (297)	11.90" (302)	4.50" (114)4.70" (119)	.925-1.94" (27.0-49.3)
		5100C	11.90" (302)		4.70" (119)	.925-1.94" (27.0-49.3)
)	200	3200C		13.65" (346)		7.00 (177)	1.00-2.50" (25.4-63.5)
5)		4200C	13.65" (346)	13.65" (346)	7.00" (177	7.39 (187)	1.00-2.50" (25.4-63.5)
)		5200C	13.65" (346)		7.39" (187)	1.00-2.50" (25.4-63.5)

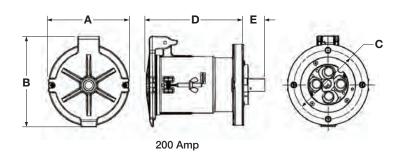




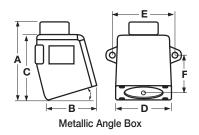
Receptacle Dimensions

			Α		В		С		D		E
Amps	Type	Style I	Style II	Style I	Style II						
30	330R	2.72" (69)	2.72" (69)	3.40" (86)	3.40" (86)	3.89" (99)	3.89" (99)	3.19" (81)	3.19" (81)	1.37" (35)	1.37" (35)
	430R	2.72" (69)	2.72" (69)	3.40" (86)	3.40" (86)	3.89" (99)	3.89" (99)	3.19" (81)	3.19" (81)	1.37" (35)	1.37" (35)
	530R	2.72" (69)		3.40" (86)		3.89" (99)		3.19" (81)		1.37" (35)	
60	360R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.66" (118)	4.42" (112)	4.42" (112)	1.54" (39)	1.54" (39)
-	460R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.66" (118)	4.42" (112)	4.42" (112)	1.54" (39)	1.54" (39)
-	560R	3.50" (89)		4.25" (108)		4.66" (118)		4.42" (112)		1.54" (39)	
100	3100R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.70" (119)	5.30" (135)	5.30" (135)	1.54" (39)	1.54" (39)
-	4100R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.70" (119)	5.30" (135)	5.30" (135)	1.54" (39)	1.54" (39)
-	5100R	3.50" (89)		4.25" (108)		4.66" (118)		5.30" (135)		1.54" (39)	
200	3200R		6.50" (165)		7.00" (177)		5.63" (143)		7.76" (197)		.99" (25)
-	4200R	6.50" (165)	6.90" (170)	7.00" (177)	7.39" (187)	5.63" (143)	5.63" (143)	7.76" (197)	7.76" (197)	.99" (25)	.99" (25)
-	5200R	6.90" (170)		7.39" (187)		5.63" (143)		7.76" (197)		.99" (25)	



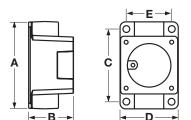


Dimensions in Inches (mm)



Metallic Angle Back Box

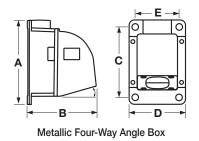
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
30° Angle back box for 30A	3/4"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)		MB301W
devices.	1"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	MB302W
15° Angle back box for 60A	1"	_	4.80" (121.9)	-	-	5.25" (133.4)	2.69" (68.3)	MB601W
devices.	11/4"	_	4.80" (121.9)	_	_	5.25" (133.4)	2.69" (68.3)	MB602W
	1½"	-	4.80" (121.9)	_	-	5.25" (133.4)	2.69"	MB603W



Metallic Feed-Thru Box

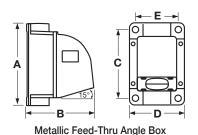
Metallic Feed-Thru Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
Back box for 30A devices.	3/4"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	_	MB303W
	1"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	_	MB304W
Back box for 60A devices.	1"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	_	MB604W
	11/4"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	_	MB605W
	1½"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	_	MB606W



Metallic Four-Way Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
15° Angle four- way box for	11/4"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	_	MB601002W
60 and 100A devices.	1½"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	_	MB601003W
	2"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	_	MB601004W
45° Angle four- way box for	2"	10.82" (274.8)	9.86" (250.4)	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	_	MB2003W
200A devices.	2½"	10.82" (274.8)	9.86" (250.4)	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	_	MB2004W
45° Angle adapter only for 200A devices.	-	8.00" (203.2)	6.00" (152.4)	7.00" (178.0)	8.00" (203.2)	7.00" (178.0)	_	AA20045



Metallic Four-Way Feed-Thru 15° Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
Four-way Feed-thru box	11⁄4"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	_	MB601006W
for 60 and 100A devices.	1½"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	-	MB601007W
	2"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	-	MB601008W

 $Note: These \ boxes \ are \ cast \ aluminum, \ suitable \ for \ IP54 \ requirements \ and \ are \ finished \ with \ enamel \ paint.$

Dimensions in Inches (mm)

Materials (30, 60, 100, and 200 Amp)

iviateriais (30, 60, 100, and	200 Amp)
Plug	Material
Housing	PBT (200A Aluminum)
Plug Shroud	Aluminum
Cord Clamps	PBT (200A Aluminum)
Clamp Nut	Nickel Plated Brass
Gland Cap	PBT
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Sleeves	Brass (M-Series - Nickel-plated
D +	tellurium copper)
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Locking Ring	Epoxy Painted Aluminum
Connector Body	DDT (000 A AL)
Housing Connector Shroud	PBT (200 Amp Aluminum)
	Epoxy Painted Aluminum
Cord Clamps Clamp Nut	PBT Nickel Plated Brass
<u> </u>	
Gland Cap Gland	PBT (200A Aluminum)
	Neoprene
O-Rings, Gaskets & Seals Contact Carrier	Neoprene Thermoset Deliverter
Retainer	Thermoset Polyester
Pin	Thermoset Polyester Brass (M-Series - Nickel-plated
FIII	tellurium copper)
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum
Receptacle	
Housing/Flange	Epoxy Painted Aluminum
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass (M-Series - Nickel-plated
	tellurium copper)
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Steel
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum

Typical Specification

Manufacturer's ID	Hubbell HBL430PS2W
Description	Plug, Power Supply
Electrical Type	3 Pole + Earth
Max. Rating	30 Amp, 600V AC, 250V DC, 50-400Hz
Configuration	UL 1686, Watertight, C1 Configuration
Certification	UL Listed, UL Standard 1682, UL 50, and UL 1010 (plugs only), CSA Certified to CSA Spec. C22.2 No. 182.1, No. 94 and No. 159 (plugs only), UL Listed and CSA Certified Type 4X

Performance

30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz					
Withstands 3,000V AC.					
600V AC RMS (i.e., minimum creepage and clearance distance of 6.4 millimeters, per UL 1682).					
Certified for current interrupting at full rated current.					
Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current.					
Up to 1,000 connect and disconnect cycles at full rated current and voltage.					
Per CSA C22.2, No. 182.1, UL 1682.					
Per CSA C22.2, No. 182.1, UL 1682.					
Round portable service cords of diameters commensurate with the device rating as defined in UL. Standard 62, CSA C22.2 No. 49 and the harmonized <har> European Standards.</har>					
Terminals identified in accordance with UL 1686 (1, 2, 3, Green).					
Identification and ratings are permanently fastened to the device housing.					
Type 3, 4, 4X per UL 50E and CSA 22.2, No. 94.					
UL 94V-0 and CSA C22.2 No. 0.17.					
Maximum Continuous 75°C; Minimum -40°C without impact -25° with impact.					
Class I, Division I & II, Groups B, C & D and Class II, Division I & II, Groups F & G per UL 1010 & CSA 22.2, No. 159.					
PBT 357 (200A Aluminum).					
Resistant to corrosion and chemical attack.					

Watertight Application Guide

Industry	Watertight.
Agriculture	Outdoor for fans, heaters, pumps, etc.
Chemical Processing	Where subject to water, corrosion.
Construction	Outdoors subject to severe weather conditions.
Entertainment	Outdoors subject to severe weather.
Food Processing	Where subject to water, corrosion.
Food Service	Areas subject to wash downs & heavy cleaning.
Light Manufacturing	Subjected to cleaning, solvents & chemicals.
Manufacturing	Where subject to water, corrosion.
Military	Outdoor construction or maintenance.

Features and Benefits

Style II Insulgrip® Mechanical Interlocks

Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a compact non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell's interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position.

It features a high visibility red handle that can be locked to meet OSHA lockout/tagout regulations, and the enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X PBT enclosure features adjustable mounting feet for flexible installation, while the receptacle's spring-loaded cover with gasket is dust tight and provides a watertight seal when turned and locked.

The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.





Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements.
 Enclosure is molded of rugged thermoplastic PBT to resist abuse, corrosion and enhance safety. All external hardware is stainless steel
- Stainless steel ¼ turn door fasteners for quick, easy access to fuses



Interior Design

- Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access
- The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers



Safety

- High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a ¾ inch padlock shackle
- Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked



Contact Carrier

- Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures
- Thermoset properties provide excellent dimensional stability, low moisture absorption and superior dielectric strength



Enclosure Door

- Removable door for ease of wiring and installation
- Enclosure door can be locked to prevent unauthorized access.
 Additionally, if the switch is ON, the door cannot be opened



Installation

- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT
- Conduit hub and adjustable mounting feet (4) are ductile to allow mounting on irregular surfaces



TYPE 4X**

Style II - Fused

		Rating		Fused Insulgrip® Mechanical Interlocks		
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Mechanical Interlock	Mating Plug	
Amps	WIICS	Comiguration	A0/D0	Weenaniea menoek	- Wating Flug	
30	3P 4W		600/250	HBL430MIFS2W	HBL430PS2W	
60	3P 4W		600/250	HBL460MIFS2W	HBL460PS2W	

HBL430MIFS2W

Style II - Unfused

		Rating		Unfused Insulgrip® Mechanical Interlocks		
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	Mechanical Interlock	Mating Plug	
30	3P 4W		600/250	HBL430MIS2W	HBL430PS2W	
60	3P 4W		600/250	HBL460MIS2W	HBL460PS2W	

Note: 30A - 1 inch NPT hub supplied; 60A - 11/4 inch hub supplied.

*CAUTION: To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.
**While in use or with cover closed.

Replacement Auxiliary Contacts

Description	Black Style Switch	Gray Style Switch
Auxiliary contact, normally open, A600 pilot duty, break before break.	ACFSNO	HBLACFSNO
Auxiliary contact, normally closed, A600 pilot duty, break before break.	ACFSNC	HBLACFSNC
Note: Auxiliary contacts are specific to the style switch noted and are NOT interchawith gray style switch.	ngeble. All new instal	lations are shipped

Replacement Switches

Description	Gray Style Switch
For 30A fused switches.	HBL30MIFRS
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	HBL60MIFRS
For 30A unfused switches.	HBL30MISRS
For 60A unfused switches Gray Style switch will retro fit Black Style switch	HBI 60MISRS

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK30
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK60

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	HBLRFT2 [∆]
Note: ^A Package of 10 feet and 10 screws.	





HBLACFSNO

HBL30MIFRS

Black Style Switch



ACFSNO



MICPK30



Pin and Sleeve Devices/Mechanical Interlocks

Typical Specifications

Manufacturer's Identification Hubbell HBL460MIFS2W
Description Fused Insulgrip® Pin and Sleeve
Mechanical Interlock

Electrical Type 3 Pole + Earth
Rating 60A, 250VDC/600VAC
Configuration Per UL 1686 C1

Enclosure Type (UL 50E) Indoor & Outdoor - 4X (Watertight, Washdown)

Indoor - 12 (Dust Tight, Falling Dirt)

Ingress Protection IP66 Suitability

Certification UL Listed for US and Canada

Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the door from opening while the receptacle is energized. The switch cannot be turned on until the plug is fully inserted.

Materials

Part	Material
Base, Door and Handle	PBT
Conduit Hub	Zinc, 30A – 1 in., 60A – 1¼ in. NPT
Enclosure Gasket	Neoprene
and Shaft Seal	
Shaft and Mounting Inserts	Brass
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel
and Hinge Spring	
Hinge Pin	Nickel-Plated Brass
Contact Carrier	Thermoset Polyester

Performance

renomiance	
Electrical	
Dielectric Voltage	Withstands 3,000VAC Min.
Max. Working Voltage	250VDC/600VAC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit	Suitable for use on a circuit capable of
Withstand Rating	delivering not more than 200,000 RMS
	symmetrical amperes at the voltage rating
	of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical
Impact Resistance In accordance with UL 746C.
Terminal Identification In accordance with UL, CSA and international conventions.
Product Ratings Ratings are part of the external label and molded into the receptacle housing.
Mounting External adjustable feet.

Environmental Moisture Resistance Indoor & Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt). IP66 Suitability. Ingress Protection Flammability UL94-5VA and V-0 Classification. Operating Temperatures Max. Continuous +60°C; Min. Continuous -40°C w/o impact. **UV** Resistance All exposed insulating materials are UV stabilized. UL Listed Class "J". Fuse Types

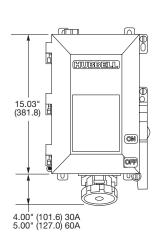
CSA Certified HRCI-J.

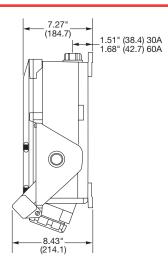
Horsepower Ratings

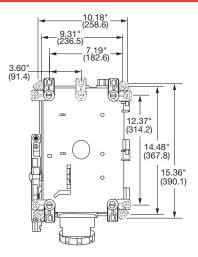
30A Horsepower Ratings			60A Horsepower Ratings			
3 Phase A.C.	Standard	Maximum*	3 Phase A.C.	Standard	Maximum*	
200-240V	3	7.5	200-240V	7.5	15	
480V	5	15	480V	15	30	
600V	7.5	20	600V	15	50	

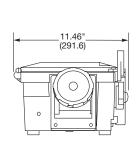
Note: *Requires time delay fuses.

Dimensions









Note: 30A - 1 inch NPT hub supplied; 60A - 11/4 inch hub supplied.

Dimensions in Inches (mm)

Pin and Sleeve Devices/Mechanical Interlocks

Features and Benefits

Hazardous Location Non-Fused Mechanical Interlocks and Plugs

Hubbell's Hazardous Location Line of Non-Fused UL 1686 Mechanical Interlock Disconnect Switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs.

These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The high visibility handles can be locked out to comply with OSHA lock out/tag out regulations.

VSQ Hazardous Location Ratings Class I, Div. 1 & 2, Groups B,C,D Class I, Zones I & 2, Groups IIB+H2, IIA Class II, Div. 1 & 2, Groups F & G Class III NEMA 3, 4, 4X, 7 (B,C,D), 9 (F,G)







Housing Design

- Copper-free aluminum construction with electrostatically applied polyester/ epoxy finish to prevent corrosion
- Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations
- Feed-through construction



Internal Design

- Auxiliary contact (late-make early-break) contact rated 10 amp, 1/3 HP at 125/250V AC can be used for operating pilot lights or starter coils
- Internal switch horsepower rated as "suitable as a motor disconnect"



Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Large visible rotary handle with ON/OFF indicator allows a quick means of disconnecting power
- Handle mechanism is chemical resistant PBT thermoplastic



Plug Locking Ring

 NEMA 4X environmental rating with cover engaged or when mated with a 4X plug



Mechanism

- Plug and switch are interlocked.
 Switch cannot be turned ON without fully inserted plug Plug cannot be removed with switch in ON position
- Plug held in place when switch is OFF for convenience. Pull operated release mechanism



Fully Interchangeable

 Product is UL1686 and is fully interchangeable with other UL1686 configured and listed devices

Pin and Sleeve Devices/Mechanical Interlocks



30 and 60 Amp Non-Fused UL1686 Mechanical Interlocks and Plugs



Amp	Circuit	Mechanical Interlock	Metallic Plug	Insulgrip Plug
30 Amp	2W 3P	HBLVSQ3023	HBLVP3385	HBL330PS2W
600V AC	3W 4P	HBLVSQ3034	HBLVP3485	HBL430PS2W
60 AMP	2W 3P	HBLVSQ6023	HBLVP6385	HBL360PS2W
600V AC	3W 4P	HBLVSQ6034	HBLVP6485	HBL460PS2W

Note: Early break contact comes standard with mechanical interlocks.

HBLVSQ 30 Amp models come standard with 1 inch drilled and tapped conduit openings top and bottom plus two 1 inch x ¾ inch reducers and one ¾ inch close-up plug for maximum flexibility. 60 amp models come with one 1½ inch opening on top and bottom and one 1½ inch close-up plug.

HBLVSQ3034





HBL430PS2W

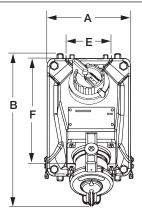
Horsepower Ratings (VAC)*

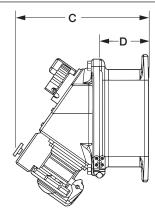
Amp	Circuit	120	240	480	600	Catalog Number
30 Amp	1Ø	2	5	10	15	HBLVSQ3023
	3Ø	3	7.5	15	20	HBLVSQ3034
60 Amp	1Ø	-	10	15	20	HBLVSQ6023
	3Ø	-	10	25	30	HBLVSQ6034

Note: *Internal switch only.

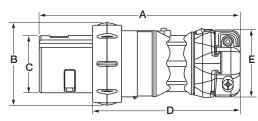
Dimensions

Mechanical Interlocks	Α	В	С	D	E	F
30A	5.75 (146)	10.50 (267)	9.75 (248)	3.75 (95)	3.13 (79)	8.13 (206)
60A	8.13 (206)	14.16 (360)	11.28 (287)	4.03 (102)	2.50 (64)	11.38 (289)





Plugs	Α	В	С	D	E	
30A Both	6.69 (170)	3.00 (76)	1.88 (48)	5.38 (137)	2.53 (64)	
60A, 3 Pole	8.81 (224)	3.38 (86)	2.25 (57)	6.50 (165)	3.00 (76)	
60A, 4 Pole	8.81 (224)	3.69 (94)	2.53 (64)	6.50 (165)	3.00 (76)	



Dimensions	in	Inches	(mm)	
DITTICTISTOTIS	111	11101163	(111111)	

Wire Range	30A	60A
Reg. Stranded	#10 – #6	#6 – #4
Extra Flex	#10 – #8	#6 – #4
Grip Range	.55-1.2 (14-30)	.65-1.5 (16-38)

SECTION H







Spider[®] II Temporary Power Boxes and Temporary Lighting



Stage Pin and Convention Center Pin and Sleeve Devices



Single Pole Devices	Page
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Convention Center Pin and Sleeve Devices	Page
Features and Benefits	
60 Amp Devices	H-20

Features and Benefits

Series 15 and 16 - 150, 300 and 400 Amp, 600 Volts

Hubbell Wiring Device–Kellems offers a full line of innovative, high quality, Series 15 and Series 16 single pole inlines, receptacles and accessories for the most demanding environments.

Single pole devices are the right choice for supplying temporary electrical power distribution for entertainment, theme parks, carnival equipment, concerts, movie making and numerous other applications requiring temporary power.

Single pole devices have been designed with ease of assembly and disassembly in mind, no special tools are required. A high strength non-conductive retaining screw is all that is needed to securely lock the contacts to the insulated sleeve.

UL Enclosure Types 3R, 4X and 12 Rating suitable for use in almost any environment.





Housing Design

- Insulgrip® style housing for superior gripping, conforms to the user's hand making it easy to connect and disconnect, even with gloves on
- Easily identifiable cable, cut off points for secure fit allows you to easily customize and cut the housing to the required/correct cable size
- Accommodates wide range of cables



Contacts

- Provides high contact pressure and vibration resistant connection, which helps reduce operating temperatures and extends product life
- High conductivity brass contact provides improved performance by helping to reduce operating temperatures and extends life



Safety

- Rounded corners reduce the possibility of catching or snagging on structures or equipment
- Non-conductive retaining screw locks contacts in place and allows for easy installation; prevents contact movement within housing
- Recessed mounting screw minimizes screwdriver slippage



Assembly

- Special screw thread requires fewer turns than most competitors and reduces the risk of a conductive screw being substituted
- Extra long non-conductive inner sleeve reduces force required to install housing over contacts; easier to rotate contact in body for installing retaining screw



Identification

- Lock symbol aids in the mating of devices and provides a clear indication that the devices are properly connected
- With lock indicator symbol making mating clear and simple; devices can lock 180° to prevent unintended disconnects



Installation

- Engineered body design makes installation simple with no need for additional tools and the non-metallic retaining screw helps to make operation safe for all involved
- Strip gauge molded into every inline and receptacle housing; simplifies installation and saves time



Series 15 - 150 Amp, 600 Volts

Enclosure Types 3R, 4X, 12



150 Amp Inlines

Description	Color	Male Inline	
150 amp, thermoplastic elastomer, cable size #8 - #2 AWG.	Black White Green Red Blue Brown Orange Yellow Gray	HBL15MBK HBL15MW HBL15MGN HBL15MR HBL15MBL HBL15MBN HBL15MO HBL15MY HBL15MGY	



150 Amp Inlines

Description	Color	Female Inline
150 amp, thermoplastic elastomer, cable size #8 - #2 AWG.	Black White Green Red Blue Brown Orange Yellow Gray	HBL15FBK HBL15FW HBL15FGN HBL15FR HBL15FBL HBL15FBN HBL15FO HBL15FY HBL15FGY

Receptacles, **Stud Type Through Hole** Mounting









Description	Color	Male Receptacles	Female Receptacles
150 amp, Panel Mount, thermoplastic, cable size #8 - #2 AWG.	Black White Green Red Blue Brown Orange Yellow Gray*	HBL15MRSBK HBL15MRSW HBL15MRSGN HBL15MRSR HBL15MRSBL HBL15MRSBN HBL15MRSBN HBL15MRSO HBL15MRSY	HBL15FRSBK HBL15FRSW HBL15FRSGN HBL15FRSBL HBL15FRSBN HBL15FRSO HBL15FRSO

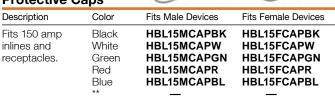
Note: *Gray is available upon request. Contact factory.

Description	Color	Male Receptacles
150 amp, Panel Mount, thermoplastic, cable size #8 - #2 AWG.	Black White Green Red Blue Brown Orange Yellow	HBL15MRBK HBL15MRW HBL15MRGN HBL15MRR HBL15MRBL HBL15MRBN HBL15MRO HBL15MRO

Gray

Female Receptacles
HBL15FRBK HBL15FRW
HBL15FRGN
HBL15FRR
HBL15FRBL
HBL15FRBN
HBL15FRO
HBL15FRY
HBL15FRGY

Protective Caps



Note: **Additional colors are available upon request. Contact factory.

Weather **Protective**



HBL15MRGY

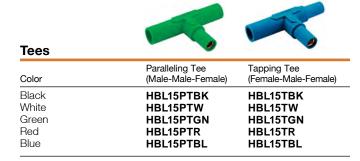


Covers			
Description	Color	Catalog Number	
Use with stud type or double set screw receptacles.	Clear Black White Green Red Blue Brown Orange Yellow	HBL15NCC HBL15NCBK HBL15NCW HBL15NCGN HBL15NCR HBL15NCBL HBL15NCBN HBL15NCO HBL15NCO	



Series 15 - 150 Amp, 600 Volts

Enclosure Types 3R, 4X, 12



Gender Reversing Devices	A STATE OF THE PARTY OF THE PAR	100
Color	Double Male (Male-Male)	Double Female (Female-Female)
Black White Green Red Blue	HBL15DMBK* HBL15DMW HBL15DMGN HBL15DMR* HBL15DMBL*	HBL15DFBK* HBL15DFW HBL15DFGN HBL15DFR* HBL15DFBL*

Note: *UL 1691 restricts the use of male-to-male or female-to-female devices to Grounding (Green) or Neutral (White) conductors. Consult factory for availability of other non UL listed colors.

Replacement Bodies (25 Pack)



Color	Male Body	Female Body
Black	HBL15MBBK	HBL15FBBK
White	HBL15MBW	HBL15FBW
Green	HBL15MBGN	HBL15FBGN
Red	HBL15MBR	HBL15FBR
Blue	HBL15MBBL	HBL15FBBL
**	_	_

Note: **Additional colors are available upon request. Contact factory.

Replacement Contacts (25 Pack)





Description	Male Pin	Female Sleeve
Contact, 150 amp	HBL15RCM	HBL15RCF

Accessories

0 1 1 1
Catalog Number
HBL15PK
HBL15RS
HBL15CF
HBL15BW
HBL15TS25
HBL15TS375
HBL15F2
HBL15F4















Series 15 - 150 Amp, 600 Volts

Specifications

Electrical	
Voltage Ratings	600V Maximum
Amperage Rating	150A Maximum
Mechanical	
Terminal	Inline: #8 AWG to #2 AWG
Accommodation	Receptacle: #8 AWG to #2 AWG
Product ID	Ratings are a permanent part of device
Base Compound	Inline: Thermoplastic Elastomer (TPE)
	Receptacle: Polybutylene Terephthalate (PBT)
Contact Material	Brass
Retaining Screw Material	Nylon

Certification / Environmental

UL and cUL Listed

UL Enclosure Types 3R, 4X, 12

UL1691 standard for single pole locking-type separable connectors

National Electric Code (NEC®), ANSI/NFPA 70 Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity●	
#8	80	
#6	105	
#4	140	
#2	190	

Note: 90°C column NEC Table 400.5(A)(2).

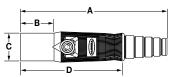
Dimensions

Inlines				
	Α	В	С	D
Male	4.54"	1.04"	.86"	3.22"
	(115.3)	(26.4)	(21.8)	(81.7)
Female	4.60"	1.11"	.68"	3.28"
	(116.8)	(28.2)	(17.3)	(83.2)

Weatherproof Cover

	Α	В	С
Series 15	2.03"	1.14"	1.49"
	(51.5)	(29.0)	(37.9)

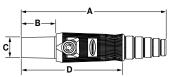
Male Inline



Panel Mount Receptacles

Threaded Stud	Α	В	С	D	E	F	Mounting Hole	Termination
Male	1.86" (47.2)	1.37" (34.8)	2.82" (71.6)	.86" (22.0)	.80" (20.4)	1.20" (30.5)	Through 3x Ø .20"	5/16-18 Threaded Stud
Female	1.86" (47.2)	1.37" (34.8)	2.88" (73.1)	.86" (22.0)	.80" (20.4)	1.26" (32.0)	Through 3x Ø .20"	5/16-18 Threaded Stud
Double Set Screw	Α	В	С	D	E	F	Mounting Hole	Termination
Male	1.86" (47.2)	1.37" (34.8)	2.90" (73.6)	.86" (22.0)	.88" (22.2)	1.20" (30.5)	Through 3x Ø .20"	(2) 5/32 Socket Head Set Screws
Female	1.86" (47.2)	1.37" (34.8)	2.95" (74.9)	.86" (22.0)	.87" (22.2)	1.26" (32.0)	Through 3x Ø .20"	(2) 5/32 Socket Head Set Screws

Female Inline



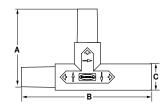
Tees

	Α	В	С
Tapping Tee	2.67" (67.9)	4.28" (108.7)	.865" (21.9)
Paralleling Tee		4.22" (107.2)	

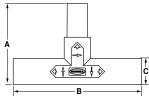




Tapping Tee



Double Male



Gender Reversing Devices

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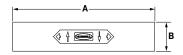
(107.2) (26.7)

1.05"

(17.3)

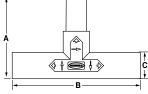
∠ Mounting Holes Male Double Set Screw (Male Shown)

Gender Reversing - Double Male

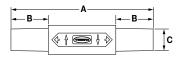


Paralleling Tee

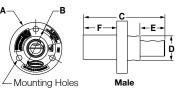
Double Female



Gender Reversing - Double Female



Threaded Stud (Male Shown)



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)



Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types 3R, 4X, 12



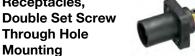
300 Amp Inlines

Description	Color	Male Inline	Female Inline
300 amp,	Black	HBL300MBK	HBL300FBK
thermoplastic	White	HBL300MW	HBL300FW
elastomer,	Green	HBL300MGN	HBL300FGN
cable size	Red	HBL300MR	HBL300FR
#6 - 2/0 AWG.	Blue	HBL300MBL	HBL300FBL
	Brown	HBL300MBN	HBL300FBN
	Orange	HBL300MO	HBL300FO
	Yellow	HBL300MY	HBL300FY
	Gray*	_	_

Note: *Gray is available upon request. Contact factory.

400 Amp Inili	nes		
Description	Color	Male Inline	Female Inline
400 amp,	Black	HBL400MBK	HBL400FBK
thermoplastic	White	HBL400MW	HBL400FW
elastomer,	Green	HBL400MGN	HBL400FGN
cable size	Red	HBL400MR	HBL400FR
2/0 - 4/0 AWG.	Blue	HBL400MBL	HBL400FBL
	Brown	HBL400MBN	HBL400FBN
	Orange	HBL400MO	HBL400FO
	Yellow	HBL400MY	HBL400FY
	Gray	HBL400MGY	HBL400FGY

Receptacles, **Double Set Screw Through Hole**





Description	Color	Male Receptacles	Female Receptacles
400 amp, Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp Inlines.	Black White Green Red Blue Brown Orange Yellow Gray	HBLMRBK HBLMRW HBLMRGN HBLMRR HBLMRBL HBLMRBN HBLMRO HBLMRY HBLMRGY	HBLFRBK HBLFRGN HBLFRR HBLFRBL HBLFRBN HBLFRO HBLFRY HBLFRGY

Angled Receptacles, **Double Set Screw Through Hole** Mounting





Description	Color	Male Receptacles	Female Receptacles
400 amp, Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp Inlines.	Black White Green Red Blue Brown Orange Yellow	HBLMRABK HBLMRAW HBLMRAGN HBLMRAR HBLMRABL HBLMRABN HBLMRAO HBLMRAO	HBLFRABK HBLFRAW HBLFRAGN HBLFRAR HBLFRABL HBLFRABN HBLFRAO HBLFRAO
	Gray*	_	_

Note: *Gray is available upon request. Contact factory.

Receptacles, **Stud Type Threaded Hole** Mounting

Color

Black

White

Green

Red

Blue

Brown

Orange

Yellow

Description

400 amp

elastomer,

Inlines.

Panel Mount,

thermoplastic

mates with 300

and 400 amp



Male Receptacles

HBLMRSCBK

HBLMRSCW HBLMRSCGN

HBLMRSCR

HBLMRSCBL

HBLMRSCBN

HBLMRSCO

HBLMRSCY



Female Receptacles
HBLFRSCBK HBLFRSCW HBLFRSCGN HBLFRSCR HBLFRSCBL
HBLFRSCBN
HBLFRSCO HBLFRSCY

Receptacles, **Extended** Stud Type **Threaded Hole** Mounting





Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300	Black White Green Red Blue	HBLMRSCEBK HBLMRSCEW HBLMRSCEGN HBLMRSCER HBLMRSCEBL	HBLFRSCEBK HBLFRSCEW HBLFRSCEGN HBLFRSCER HBLFRSCEBL
and 400 amp Inlines.	Brown Orange Yellow	HBLMRSCEBN HBLMRSCEO HBLMRSCEY	HBLFRSCEBN HBLFRSCEO HBLFRSCEY

Receptacles, Stud Type **Through Hole** Mounting





Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black White Green Red Blue Brown Orange Yellow	HBLMRSBK HBLMRSW HBLMRSGN HBLMRSR HBLMRSBL HBLMRSBN HBLMRSO HBLMRSO	HBLFRSBK HBLFRSW HBLFRSGN HBLFRSR HBLFRSBL HBLFRSBN HBLFRSO HBLFRSY

Angled Receptacles, Stud Type **Through Hole**





wounting			
Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black White Green Red Blue Brown Orange Yellow	HBLMRASBK HBLMRASW HBLMRASGN HBLMRASR HBLMRASBL HBLMRASBN HBLMRASO HBLMRASY	HBLFRASBK HBLFRASGN HBLFRASR HBLFRASBL HBLFRASBN HBLFRASO HBLFRASY



Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types 3R, 4X, 12

Receptacles, **Bus Bar Threaded Hole** Mounting



Description	Color	Male Receptacles	Female Receptacles
400 amp	Black	HBLMRBBK	HBLFRBBK
Panel Mount,	White	HBLMRBW	HBLFRBW
thermoplastic	Green	HBLMRBGN	HBLFRBGN
elastomer,	Red	HBLMRBR	HBLFRBR
mates with 300	Blue	HBLMRBBL	HBLFRBBL
and 400 amp	Brown	HBLMRBBN	HBLFRBBN
Inlines.	Orange	HBLMRBO	HBLFRBO
	Yellow	HBLMRBY	HBLFRBY

Angled Receptacles, **Bus Bar Through Hole** Mounting





Description	Color	Male Receptacles	Female Receptacles
400 amp	Black	HBLMRABBK	HBLFRABBK
Panel Mount,	White	HBLMRABW	HBLFRABW
thermoplastic	Green	HBLMRABGN	HBLFRABGN
elastomer,	Red	HBLMRABR	HBLFRABR
mates with 300	Blue	HBLMRABBL	HBLFRABBL
and 400 amp	Brown	HBLMRABBN	HBLFRABBN
Inlines.	Orange	HBLMRABO	HBLFRABO
	Yellow	HBLMRABY	HBLFRABY

Receptacles, Bus Bar, 2 Holes **Threaded Hole** Mounting



Description	Color	Male Receptacles	Female Receptacles
400 amp	Black	HBLMRB2BK	HBLFRB2BK
Panel Mount,	White	HBLMRB2W	HBLFRB2W
thermoplastic	Green	HBLMRB2GN	HBLFRB2GN
elastomer,	Red	HBLMRB2R	HBLFRB2R
mates with 300	Blue	HBLMRB2BL	HBLFRB2BL
and 400 amp	Brown	HBLMRB2BN	HBLFRB2BN
Inlines.	Orange	HBLMRB2O	HBLFRB2O
	Yellow	HBLMRB2Y	HBLFRB2Y

Terminals, Offset Straight Style Description Color

Black

White

Green

Red

Blue

Brown

Orange

Yellow

400 amp

Terminal,

elastomer.

Inlines.

thermoplastic

mates with 300

and 400 amp





HBLFOSY

Note: Terminals are UL Type 1 only.

Angled Terminals, **Offset Straight Style**





Description	Color	Male Receptacles	Female Receptacles
400 amp	Black	HBLMOABK	HBLFOABK
Terminal,	White	HBLMOAW	HBLFOAW
thermoplastic	Green	HBLMOAGN	HBLFOAGN
elastomer,	Red	HBLMOAR	HBLFOAR
mates with 300	Blue	HBLMOABL	HBLFOABL
and 400 amp	Brown	HBLMOABN	HBLFOABN
Inlines.	Orange	HBLMOAO	HBLFOAO
	Yellow	HBLMOAY	HBLFOAY

Note: Angled terminals are UL Type 1 only.

Protective Caps



HBLMOSY

Color	Fits Male Devices	Fits Female Devices
Black	HBLMCAPBK	HBLFCAPBK
White	HBLMCAPW	HBLFCAPW
Green	HBLMCAPGN	HBLFCAPGN
Red	HBLMCAPR	HBLFCAPR
Blue	HBLMCAPBL	HBLFCAPBL
Brown	HBLMCAPBN	HBLFCAPBN
Orange	HBLMCAPO	HBLFCAPO
Yellow	HBLMCAPY	HBLFCAPY

Weather **Protective Lift Covers**







Color	Catalog Number	All One Color Caps and Bodies
Clear	HBLNCC	_
Black	HBLNCBK	HBLNCABK
White	HBLNCW	HBLNCAW
Green	HBLNCGN	HBLNCAGN
Red	HBLNCR	HBLNCAR
Blue	HBLNCBL	HBLNCABL
Brown	HBLNCBN	HBLNCABN
Orange	HBLNCO	HBLNCAO
Yellow	HBLNCY	HBLNCAY



Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types 3R, 4X, 12

and 3-Fers











Color	Paralleling Tee (Male-Male-Female)	Tapping Tee (Female-Male-Female)	3-Fer (Male-Female- Female-Female)	3-Fer (Female-Male- Male-Male)	Soft 3-Fer (Male-Female- Female-Female)	Soft 3-Fer (Female- Male-Male-Male)
Black	HBLPTBK	HBLTBK	HBLM3FBK	HBLF3MBK	HBLM3FSBK	_
White	HBLPTW	HBLTW	HBLM3FW	HBLF3MW	_	_
Green	HBLPTGN	HBLTGN	HBLM3FGN	HBLF3MGN	_	HBLF3MSGN
Red	HBLPTR	HBLTR	HBLM3FR	HBLF3MR	_	_
Blue	HBLPTBL	HBLTBL	HBLM3FBL	HBLF3MBL	_	_
Brown	HBLPTBN	HBLTBN	HBLM3FBN	HBLF3MBN	_	_
Orange	HBLPTO	HBLTO	HBLM3FO	HBLF3MO	_	_
Yellow	HBLPTY	HBLTY	HBLM3FY	HBLF3MY	_	_

Gender Reversing **Devices**





Double Female (Female-Female)
HBI DEBK

Color	Double Male (Male-Male)	Double Female (Female-Female)
00101	(Iviale-Iviale)	(i erriale-i erriale)
Black	HBLDMBK	HBLDFBK
White	HBLDMW	HBLDFW
Green	HBLDMGN	HBLDFGN
Red	HBLDMR	HBLDFR
Blue	HBLDMBL	HBLDFBL
Brown	HBLDMBN	HBLDFBN
Orange	HBLDMO	HBLDFO
Yellow	HBLDMY	HBLDFY

Distribution Block

Description	Color	(1-Male, 6-Females)
400 amp	Black	HBL7DBBK
Distribution Block,	White	HBL7DBW
Single Conductor,	Green	HBL7DBGN
Heavy Duty Industrial	Red	HBL7DBR
Grade, Pre-Wired,	Blue	HBL7DBBL
(1) Male to (6) Females.	Brown	HBL7DBBN
	Orange	HBL7DBO
	Yellow	HBL7DBY

Replacement **Bodies** (10 Pack)



<u> </u>		
Color	Male Body	Female Body
Black	HBLMBBK	HBLFBBK
White	HBLMBW	HBLFBW
Green	HBLMBGN	HBLFBGN
Red	HBLMBR	HBLFBR
Blue	HBLMBBL	HBLFBBL
Brown	HBLMBBN	HBLFBBN
Orange	HBLMBO	HBLFBO
Yellow	HBLMBY	HBLFBY

Replacement Contacts (20 Pack)





Male Pin	Female Sleeve	
HBL300RCM	HBL300RCF	
HBL400RCM	HBL400RCF	
	HBL300RCM	HBL300RCM HBL300RCF

Snap Back Covers (3R Only)



Color	Through Hole Mounting	Threaded Mounting Holes
Black	HBLSCBK	HBLSCCBK
White	HBLSCW	HBLSCCW
Green	HBLSCGN	HBLSCCGN
Red	HBLSCR	HBLSCCR
Blue	HBLSCBL	HBLSCCBL
Brown	HBLSCBN	HBLSCCBN
Orange	HBLSCO	HBLSCCO
Yellow	HBLSCY	HBLSCCY

Accessories	771
Description	Catalog Number
Accessory Kit, retaining screw, copper foil, terminal screws and brass wire.	HBLPK
Replacement retaining screw (500 pack).	HBLRS
Copper foil (500 pack).	HBLCF
Brass wire (500 pack).	HBLBW
Terminal screw - inline (500 pack).	HBLTS
Terminal screw - panel mount (500 pack).	HBLTSR

Series 16 - 300 and 400 Amp, 600 Volts

Specifications

Electrical	Series 16		
Voltage Ratings	600V Maximum		
Amperage Rating	400A Maximum		
Mechanical	300A	400A	
Terminal	Inline: #6 to 2/0 AWG	Inline: 2/0 to 4/0 AWG	
Accommodation		Recept.: #4 to 4/0 AWG	
Product ID	Ratings are a permanent part of device		
Base Compound	Thermoplastic Elastomer (TPE)		
Contact Material	Brass		
Retaining Screw Material	Nylon		

Certification / Environmental

UL and cUL Listed

UL Enclosure Types 3R, 4X, 12

UL1691 standard for single pole locking-type separable connectors National Electric Code (NEC), ANSI/NFPA 70

Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

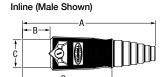
Cable Size	Ampacity•	Cable Size	Ampacity•
#6	105	2/0	300
#4	140	4/0	405
#2	190		

Note: •90°C column NEC Table 400.5(A)(2).

Dimensions

luliu a a

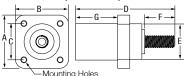
inlines				
Description	Α	В	С	D
Male	7.01"	1.38"	1.48"	4.78"
	(178.0)	(35.1)	(37.6)	(121.4)
Female	7.10"	1.44"	1.06"	4.90"
	(180.5)	(36.6)	(27.0)	(121.3)





Snap Back Cover

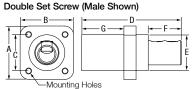
Threaded Stud (Male Shown)



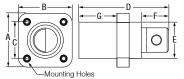
Panel Mount Receptacles

ranei Wount it	eceptat	169							
Threaded Stud	А	В	С	D	Е	F	G	Mounting Hole	Termination
Male & Female with through hole mounting	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (37.6)	1.25" (31.7)	1.74" (44.2)	Through 4x Ø .20"	1/2-13 UNC-2A Threaded Stud
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	3.67" (93.2)	1.48" (37.6)	1.11" (28.2)	1.55" (39.4)	Threaded 4x #10-32	1/2-13 UNC-2A Threaded Stud
Double Set Screw	Α	В	С	D	E	F	G	Mounting Hole	Termination
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (37.6)	1.36 (34.5)	1.74" (44.2)	Threaded 4x #10-32	(2) 7/32 Socket Head Set Screws
Bus Bar Type	Α	В	С	D	Е	F	G	Mounting Hole	Termination
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	3.57" (90.7)	1.48" (37.6)	1.01" (25.7)	1.55" (39.4)	Threaded 4x #10-32	(1) 5/16-18 UNC-2B Threaded Hole
Offset Terminals	Α	В	С	D	Е	F		Mounting Hole	Termination
Male terminal straight style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.89" (98.8)	1.75" (44.5)	2.14" (54.4)		Through .50" (12.7)	_
Female terminal straight style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.68" (93.3)	1.75" (44.5)	1.93" (48.9)		Through .50" (12.7)	_
Male terminal angled style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.98" (101.1)	2.06" (52.2)	2.14" (54.4)		Through .50" (12.7)	_
Female terminal angled style	Ø 1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.76" (95.6)	2.06" (52.2)	1.93" (48.9)		Through .50" (12.7)	_

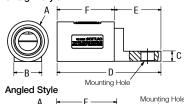
Mounting Holes

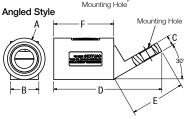


Bus Bar Type (Male Shown)



Offset Terminals (Male Shown) Straight Style





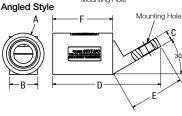
Description	А	В	С
Weatherproof Cover	2.20" (55.88)	1.16" (29.44)	2.03" (51.5)
Snap Back Cover to be used with receptacles	2.26" (57.4)	2.37" (60.2)	_

Gender Reversing Devices

Description	Α	В	С
Double	4.65"	1.48"	_
Male	(118.1)	(37.6)	
Double	4.84"	1.44"	1.06"
Female	(122.9)	(36.6)	(27.0)

Tees and 3-Fers

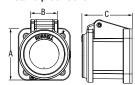
Description	ıA	В	С
Tapping	3.18"	4.74"	1.48"
Tee	(80.8)	(120.4)	(37.6)
Paralleling	3.18"	4.65"	1.48"
Tee	(80.8)	(118.1)	(37.6)
3-Fer	5.88"	5.78"	1.48"
	(149.3)	(146.9)	(37.6)



3-Fer

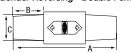
Weatherproof Cover

Covers

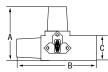


Gender Reversing - Double Male

Gender Reversing - Double Female

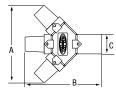


Tapping Tee



Paralleling Tee





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Dimensions in Inches (mm)



Series 18 - 300 and 400 Amp, 600 Volts

Enclosure Types 3R, 4X, 12

- Enclosure Types 3R, 4X, 12
- Non-metallic safety retaining screw
- Easy to grip body design
- Accepts #6 to 4/0 AWG wire
- Replacement bodies available
- UL and cULus listed



300 Amp Inlines



Description	Color	Male Inline	Female Inline
Thermoplastic	Black	HBL18300MBK	HBL18300FBK
elastomer,	White	HBL18300MW	HBL18300FW
cable size	Green	HBL18300MGN	HBL18300FGN
#6 - 2/0 AWG.	Red	HBL18300MR	HBL18300FR
	Blue	HBL18300MBL	HBL18300FBL
	Brown	HBL18300MBN	HBL18300FBN
	Orange	HBL18300MO	HBL18300FO
	Yellow	HBL18300MY	HBL18300FY

400 Amp Inlines



Description	Color	Male Inline	Female Inline
Thermoplastic	Black	HBL18400MBK	HBL18400FBK
elastomer,	White	HBL18400MW	HBL18400FW
cable size	Green	HBL18400MGN	HBL18400FGN
2/0 - 4/0 AWG.	Red	HBL18400MR	HBL18400FR
	Blue	HBL18400MBL	HBL18400FBL
	Brown	HBL18400MBN	HBL18400FBN
	Orange	HBL18400MO	HBL18400FO
	Yellow	HBL18400MY	HBL18400FY

Replacement Bodies (10 Pack)



Description	Color	Male Inline	Female Inline
Thermoplastic	Black	HBL18MBBK	HBL18FBBK
elastomer.	White	HBL18MBW	HBL18FBW
	Green	HBL18MBGN	HBL18FBGN
	Red	HBL18MBR	HBL18FBR
	Blue	HBL18MBBL	HBL18FBBL
	Brown	HBL18MBBN	HBL18FBBN
	Orange	HBL18MBO	HBL18FBO
	Yellow	HBL18MBY	HBL18FBY

Accessories



Description	Catalog Number
Series 18, replacement retaining screw (500 pack).	HBLRS
Copper foil (500 pack).	HBLCF
Brass wire (500 pack).	HBLBW

Specifications

Electrical	Series 18
Voltage Ratings	600V Maximum
Amperage Rating	400A Maximum

Mechanical	300A	400A
Terminal Accommodation	Inline: #6 to 2/0 AWG	Inline: 2/0 to 4/0 AWG
Product ID	Ratings are a permanent	part of device
Base Compound	Thermoplastic Elastomer	(TPE)
Contact Material	Brass	
Retaining Screw Material	Nylon	

Certification / Environmental

Series 18

UL and cULus listed

UL Enclosure Types 3R, 4X, 12

UL 1691 standard for single pole locking-type separable connectors National Electric Code (NEC), ANSI/NFPA 70

Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

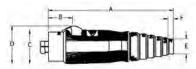
Cable Size	Ampacity•	
#2	190	
2/0	300	
3/0	350	
4/0	405	

Note: •90°C column NEC Table 400.5(A)(2).

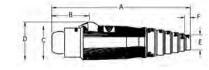
Dimensions

In Line Plugs Description A В С D Ε F Male 6.30' 1.76 .77 .27" (TYP) 1.23 1.94 (6.9)(159.9)(31.1)(44.6)(49.3)(19.6).27" (TYP) Female 6.95' 1.87" 1.94" .77 (176.5) (47.6) (19.6)(6.9)(44.6)(49.3)

Inline (Male)



Inline (Female)



Dimensions in Inches (mm)

Features and Benefits

Spider® II Temporary Power Boxes

Hubbell's Spider[®] II temporary power distribution system sets the safety and performance standard for temporary power needs. Construction sites and outdoor events place more demands on electrical power than ever before. Hubbell's Spider box steps up to the challenge by offering advanced electrical and safety features. The Spider II box incorporates the most advanced ground fault module technology available in the industry today, ensuring safe and reliable distribution of electrical power for a wide variety of temporary power applications.

Breadth of line and durability, Hubbell manufactures a variety of Spider[®] Il Boxes and temporary power products for both indoor and outdoor power and lighting applications. Hubbell's Spider products incorporate the most innovative wiring devices in the Hubbell Safety-Shroud[®] Twist-Lock[®] system. The shrouded Twist-Lock design extends the life of the plug by protecting the blades from abuse and more importantly, the shroud protects the user from arcing.





Housing Design

- Individual GFCI modules
- Gasketed latching receptacle lift covers
- Replaceable legs



Receptacles

- Six 20 amp straight blade or Twist-Lock® watertight receptacles, individually GFCI protected
- All Pin and Sleeve, Twist-Lock® and straight blade receptacles on each Spider box are protected when not in use by a gasketed, spring loaded flip lid



Safety

- Standard stab termination circuit breakers with gasketed lift cover
- Compact electronic supervisory circuit
- Detailed wiring diagram



Inlets

 Available with flush 50 amp Twist-Lock[®] inlet or 60 amp IEC reversed service Pin and Sleeve receptacle



Environmental Protection

- Spider[®] II boxes have earned a Type 3R metallic enclosure rating and heavy duty, abuse resistant legs for outdoor rainproof applications
- Provides UL Type 4X rating when the receptacles are used with Watertight Safety-Shroud® Twist-Lock® plugs



Certifications

 Hubbell's Spider® II Boxes meet NEC® requirements for personal protection against electrical shock on job sites and are listed to the latest UL1640 standard for portable power distribution equipment

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

50A and 60A Spider® II Boxes







60A Spider® II



60A Class "L" Spider® II

Spider® II Temporary Power Boxes

				Receptacle	Protection		<u></u>
Rating	Type	Qty	Receptacle Ratings	Components	Overload	GFI	Catalog Number
30A, 120/240V AC	Straight Blade	7	20A, 125V	HBL53R61	Yes	Yes	SDSB1A
(Maximum)	Twist-Lock® (inlet)	1	30A, 120/240V	HBL2715SWR	No	No	
	Twist-Lock® (outlet)	1	30A, 120/240V	HBL2710	No	No	
50A, 120/240V AC	Straight Blade	7	20A, 125V	HBL53R61	Yes	Yes	SBSB1A
(Maximum)	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes	SBSB2
(Maximum)	Twist-Lock®	1	30A, 250V	HBL2620SW	Yes	Yes	
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC	Twist-Lock®	7	20A, 125V	HBL2310SW	Yes	Yes	SBTL1A
(Maximum)	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
50A, 120/240V AC	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes	SBTL2
(Maximum)	Twist-Lock®	1	30A, 250V	HBL2620SW	Yes	Yes	
	Twist-Lock® (inlet)	1	50A, 125/250V	HBL6375S	No	No	
	Twist-Lock® (outlet)	1	50A, 125/250V	CS6369	No	No	
60A, 3Ø 120/208V AC	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes	SCSB0*
(Maximum)	Pin and Sleeve (inlet)	1	60A, 3ØY 120/208V	HBL560B9R	No	No	
	Pin and Sleeve (outlet)	1	60A, 3ØY 120/208V	HBL560R9W	No	No	
60A, 3Ø 120/208V AC	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes	SCTL0*
(Maximum)	Pin and Sleeve (inlet)	1	60A, 3ØY 120/208V	HBL560B9R	No	No	
	Pin and Sleeve (outlet)	1	60A, 3ØY 120/208V	HBL560R9W	No	No	

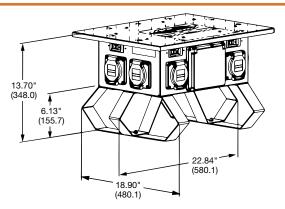
Class "L" Spider® II Temporary Power Boxes

				Receptacle	Protec	tion	
Rating	Type	Qty	Receptacle Ratings	Components	Overload	GFI	Catalog Number
60A, 3Ø 120/208V AC	Straight Blade	6	20A, 125V	HBL53R61	Yes	Yes**	SCSB0M2
(Maximum)	Class "L" (inlet)	1	60A, 3ØY, 120/208V	_	No	No	
	Class "L" (outlet)	1	60A, 3ØY, 120/208V	_	No	No	
60A, 3Ø 120/208V AC	Twist-Lock®	6	20A, 125V	HBL2310SW	Yes	Yes**	SCTL0M2
(Maximum)	Class "L" (inlet)	1	60A, 3ØY, 120/208V	_	No	No	
	Class "L" (outlet)	1	60A, 3ØY, 120/208V	_	No	No	

Note: *60A units are UL and cUL only.

**GFCI protection on 4 devices only.

Dimensions



Dimensions in Inches (mm)

Specifications

Spider® II	
Listing/Certification	UL1640 cUL and CSA, UL943
Environment	Indoor and outdoor wet and dry locations
Enclosure Type	3R, rainproof, suitable for use in damp locations
Code Compliance	NEC®, ANSI/NFPA 70

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

Temporary Power Accessories

Hubbell's SR50 is comprised of a pre-wired 50A receptacle, mounted in a fully non-metallic watertight FD wall box.

This weather resistant, UL listed, assembly provides significant labor savings for the contractor, because it's pre-wired with a 50A Twist-Lock® receptacle, installation time is significantly reduced. The 4 hole mounting pattern of the new FD box also provides added security for the device.



Cable Sets, Plugs, and Receptacles

Description	Catalog Number
50A pre-wired wall mounted receptacle, with 2 ft. wire leads.	SR50
50A cord set - 50 ft. cable (input/output).	SCB50
50A cord set - 100 ft. cable (input/output).	SCB100
60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female).	HBL560P9WR
60A, 3Ø 120/208V Pin and Sleeve plug (male).	HBL560P9W
60A, 3Ø 120/208V Pin and Sleeve wall mounted receptacle.	HBL560R9W
11/4" hub 15 deg. non-metallic angle back box for 60A receptacle.	BB601W
11/2" hub 15 deg. metallic 4-way angle back box for 60A receptacle.	FW60100

Note: Consult factory for alternate cable lengths.



SR50

Replacement Parts

Description	Catalog Number
20A, 125V straight blade receptacle.	HBL53R61
20A, 125V Safety-Shroud Twist-Lock® receptacle.	HBL2310SW
30A, 250V Safety-Shroud Twist-Lock® receptacle.	HBL2620SW
30A, 125/250V Reverse Service Safety-Shroud connector.	HBL2713SR
30A, 125/250V Reverse Service inlet.	HBL2715SWR
50A, 125/250V Twist-Lock® receptacle.	CS6369
50A, 125/250V Twist-Lock [®] inlet.	HBL6375S
60A, 3Ø 120/208V Pin and Sleeve reversed service receptacle (inlet).	HBL560B9R
60A, 3Ø 120/208V Pin and Sleeve receptacle (outlet).	HBL560R9W
60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female).	HBL560P9WR
60A, 3Ø 120/208V Pin and Sleeve plug (male).	HBL560P9W
GFCI module.	GFMST20
50A Spider supervisory kit.	SSK
60A Spider supervisory kit.	SSK60
Spider circuit breaker cover.	SCBC
Spider leg kit.	SLK
Spider leg kit, green.	SLKG
50A receptacle cover plate.	HBL77CM74WO



SCB50



HBL560R9W



HBL2310SW













CS6369 HBL2713SR

HBL77CM74WO

Features and Benefits

Temporary Power Distribution Boxes and **Temporary Power Cables**

- Durable hi-visibility yellow powder coated steel construction
- Hubbell 50 amp Twist-Lock® receptacle and inlet
- Six 20 amp straight blade or Twist-Lock® covered receptacles
- Individual GFCI modules
- NEMA 3R enclosure
- Nesting leg design saves space in the warehouse and on the truck



TPC50 – 50' Cable **TPC100** – 100' Cable

Temporary Power Distribution Boxes

			Receptacle	Protecti	on	
Rating	Type	Qty	Rating	Overload	GFI	Catalog Number
50A, 120/240V AC	Twist-Lock®	6	20A, 125V	Yes	Yes	TPDL
(Maximum)	Twist-Lock®	1	30A, 250V	Yes	No	
	Twist-Lock® (Inlet)	1	50A, 125/250V	No	No	
	Twist-Lock® (Outlet)	1	50A, 125/250V	No	No	
50A, 120/240V AC	Straight Blade	6	20A, 125V	Yes	Yes	TPDS
(Maximum)	Twist-Lock®	1	30A, 250V	Yes	No	
,	Twist-Lock® (Inlet)	1	50A, 125/250V	No	No	
	Twist-Lock® (Outlet)	1	50A, 125/250V	No	No	
Replacement GFCI mo	odule.					HBLCGFM20

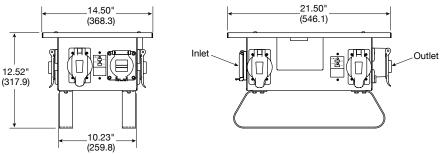
Temporary Power Cables

				Weatherproof	
Rating	CableType	Length Male Device	Female Device	Boot	Catalog Number
50A, 125/250V	6/3, 8/1	50 ft. CS6365L	CS6364L	No	TPC50
50A, 125/250V	6/3, 8/1	100 ft. CS6365L	CS6364L	No	TPC100

Specifications

-promoduono				
Boxes		Cables		
Listings/Certifications Operation Enclosure Type Code Compliance	UL1640, UL943 Indoor and outdoor wet and dry locations 3R, rainproof, suitable for use in damp locations NEC®, ANSI/NFPA 70	Listings/Certifications Operation	Connectors: UL/CSA; Cable: MSHA Indoor and outdoor wet and dry locations	

Dimensions



Dimensions in Inches (mm)

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Description	Catalog Number
Box with cord strain relief, with one blank cover plate.	HBLPOB1
White box with cord strain relief, one blank white cover plate.	HBLPOB1L
Box with cord strain relief, with one blank cover plate, black.	HBLPOB1BK
Box with cord strain relief, with two duplex (indoor) cover plates.	HBLPOB1D
White box with cord strain relief, with two white duplex (indoor) cover plates.	HBLPOB1DL
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	HBLPOB1DY
Blank, non-metallic FS cover plate with foam gasket, gray.	HBLP14FS
Blank, non-metallic FS cover plate with foam gasket, white.	HBLP14FSL
Duplex, non-metallic FS cover plate, gray	HBLP8FS
Duplex, non-metallic FS cover plate, white.	HBLP8FSL
Duplex, non-metallic FS cover plate, yellow.	HBLP8FSY
Single receptacle (1.39"), non-metallic FS cover plate, gray.	HBLP7FS
Single receptacle (1.56"), non-metallic FS cover plate, gray.	HBLP720FS
Rectangular opening, non-metallic FS cover plate, gray.	HBLP26FS
Rectangular opening, non-metallic FS cover plate, White.	HBLP26FSL



Description	Catalog Number
Duplex cover plate, weatherproof. Single receptacle (1.39") cover plate, weatherproof. Single receptacle (1.56") cover plate, weatherproof. Safety-Shroud Twist-Lock® surface receptacles.	HBL5221, HBL52CM21 HBL7423WO, HBL74CM23WO HBL7425WOA, HBL74CM25WOA HBL2310SR, HBL2320SR, HBL2330SR, HBL2610SR, HBL2620SR

Note: Standard product gray, CM yellow.

Deluxe Cord Grips Straight Male Thread

Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Range	Thread Size	Form	
Inches (mm)	NPT (inches)	Size	Catalog Number
.375"500" (9.5-12.7)	3/4"	F3	074011335
.500"625" (12.7-15.9)	3/4"	F3	074011336
.625"750" (15.9-19.0)	3/4"	F3	074011337

Gray Nylon Cord Connector Straight Male Thread

Grip Diameter Range Thread Size Form	
Inches (mm) NPT (inches) Size Catalog Number	
institute (initing) the following fractions of t	
.375"500" (9.5-12.7)	
.500"625" (12.7-15.9)	
.625"750" (15.9-19.0) %4" F3 SHC1037CR	

Specifications for Heavy-Duty Portable Outlet Boxes and Cover Plates

UL Listed	UL514C, UL467 and UL50 Enclosures Types 1, 3R.
CSA Certified	94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance).

Box Specifications: Moisture Resistance

Wet and damp locations, enclosure Type 3R when used with weatherproof cover plates; Dry, indoors locations, enclosure Type 1 with all other cover plates

Flammability

UL94V-0, 94-5VA classification

Operating Temperature

UV Resistance

UL94V-0, 94-5VA classification

80°C maximum; -35°C minimum

UV Resistance

All materials are UV stabilized

Impact and Crush Resistance In accordance with UL514C, UL50, C22.2 No. 18 and C22.2 No. 94

Material Valox®

Cord Connector Materials Nylon nut; nylon Gotcha® ring; neoprene grommet Cord Diameter Range .38" to .75" diameter

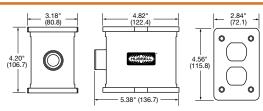
Bonding Strap Material Brass
Threaded Inserts Brass

Grounding Screw Material
Indoor Cover Plate Screws Material
Outdoor Cover Plate Screws Material
Outdoor Cover Plate Screws Material
Stainless steel

Cover Plate Gasket Material UL recognized closed-cell foam (aging and oil resistant)

Dimensions

HBLPOB1



Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



HBLPOB1



Cover Plates



Deluxe Cord Grips (purchased separately)



Gray Nylon Cord Connector

Dimensions in Inches (mm)

Construction Site Lighting

Hubbell's outdoor approved construction site lighting line includes light strings for working in rugged environments.

We have light strings for all applications in a variety of models as well as a choice of metal or plastic guards. Light sockets are spaced 10 feet apart and all sockets, plugs, and connectors are molded for added durability. In addition, the highly impact-resistant material makes for easy transportation and storage when not in use. Bulbs can be incandescent, fluorescent or LED. Consider choosing LED lighting for a durable bulb that saves energy, provides instant illumination and are rated to last 50,000 hours.





HBL182S50LEDH

LED Stringer Lights

Description	No. of Fixtures	Rating	Cord Type	Lumen Output	Cord Length	Catalog Number
90 LEDs per fixture, light string with magnetic base included.	1	15A 125V	#18/2 SJTW	450*	20 ft.	HBL182S20LED
90 LEDs per fixture, light string.	5	15A 125V	#18/2 SJTW	450*	50 ft.	HBL182S50LED
	10	15A 125V	#18/2 SJTW	450*	100 ft.	HBL182S100LED
60 LEDs per fixture, light string with magnetic	1	15A 125V	#18/2 SJTW	1,100*	20 ft.	HBL182S20LEDH
base included.	5	15A 125V	#18/2 SJTW	1,100*	50 ft.	HBL182S50LEDH
Magnetic clip bracket for LED light string.						HBLSTMC
Al I al						

Note: *Lumens per fixture.



HBL143SJ100PS

A Type (Edison) Twist-Lock® and Straight Blade Light Strings

	iviax				Cora	
Description	Watts**	Rating	Cord Type	Fixtures	Length	Catalog Number
Twist-Lock® light string; plastic guards.	150	20A 125V	#12/3 STJW	10	100 ft.	HBL123SJ100PT
Straight Blade light string; plastic guards.	150	15A 125V	#14/2 STJW	10	100 ft.	HBL142SJ100PS
	150	15A 125V	#14/3 STJW	10	100 ft.	HBL143SJ100PS
	150	15A 125V	#12/3 STJW	10	100 ft.	HBL123SJ100PS
Replacement plastic guard for temporary light s	trings.					HBLSTPG
Replacement heavy duty metal guard for tempo	rary light	strings.				HBLSTMG

Note: **Max watts per fixture. HBL143SJ100PS light strings are rated for 1875 Watts total. The total wattage must be considered when daisy chaining lights strings to each other.



Maintenance and Work Lights

Choose Hubbell industrial work lights for maximum user safety. Portable work lights can be transported and re-mounted. Long cords allow free movement in work space.





HBLSTMG

LED Maintenance Worklights

Description	Outlet Rating	Rating	Wattage	Lumen Output	Cord Type	Cord Length	Catalog Number
LED Industrial maintenance light, 1 vertical hanging hook included.	N/A	15A 125V	20	2400	#16/3 SJEOW	25 ft.	HBLML2825L
LED worklight with end light feature.	N/A	15A 125V	9	920/120	#18/2 SJTOW	25 ft.	HBLWL25LED
LED worklight with end light feature and tool tap.	12 Amp	15A 125V	9	920/120	#16/3 SJTOW	25 ft.	HBLWL25LEDT





Stage Pin Devices

Features and Benefits

20, 60 & 100 Amp Stage Pin Devices

Drawing on over a hundred years of expertise, Hubbell Wiring Device-Kellems sets the standard for innovation, performance, durability, safety and convenience. Our philosophy is never leaving well enough alone. We believe we can always make our products better—and the record shows we have.

When it comes to stage pin products, we listened...

The result is a removable sleeve that is highly heat stable and heat resistant. It does not allow the heat generated at the connection to negatively impact the device. Like phenolic devices of the past, this modern innovation will provide for a cool running device that is simple and convenient to wire.

The super tough engineered thermoplastic enclosure makes the device:

- Lightweight
- Impact resistant
- Easy to handle

Our design delivers 'The Best of Both Worlds!'





Housing Design

- Durable thermoplastic construction is lightweight, highly durable thermoplastic body for maximum impact resistance
- Ergonomic shape for easy insertion and withdrawal from mating devices



Contacts

 High performance brass contacts provide improved performance and extended life by reducing operating temperatures

(UL)us ESIA

 Heat resistant sleeves patent pending, highly stable and heat resistant contact shrouds provide phenolic functionality with a modern twist



Safety

- Highly secure terminations, stainless steel double set screws with fine pitch threads maximize termination strength for cooler running connections
- Ring terminal and double set screw termination options are available for 60A and 100A panel mounts



Wiring

- Simplified wiring, with removable contacts that snap back into place for greater wiring flexibility and simplicity
- Adjustable strain relief, accommodates the widest range of cables all in one device while exceeding UL requirements

Single Cable Sets and Breakouts in One Device

Device	Cable Combination		Device	Cable Combin	ation
60A/125V	(3) #6 SC (6) #6 SC (2) #4 SC #8/3 #6/3 #4/3	(1) #6 SC TYPE W SOOW TYPE W	100A/125V 100A/250V	(2) #4 SC (4) #4 SC (2) #2 SC #6/3 AWG #4/3 AWG	(1) #6 SC (2) #6 SC (1) #6 SC TYPE W TYPE W









20 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male Inline Male Inline Bulk Pack Male Inline	125V	Double Set Screw	Black Black Clear	HBL20SPM HBL20SPMOEM HBL20SPMC
Female Inline Female Inline Bulk Pack Female Inline	125V	Double Set Screw	Black Black Clear	HBL20SPF HBL20SPFOEM HBL20SPFC
Male Panel Mount (Inlet) Female Panel Mount	125V	Double Set Screw	Black	HBL20SPMR HBL20SPFR



60 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male Inline Female Inline	125V	Double Set Screw	Black	HBL60SPM HBL60SPF
Male Panel Mount	125V	Double Set Screw Ring Terminal	Black	HBL60SPMR HBL60SPMRRT
Female Panel Mount	125V	Double Set Screw Ring Terminal	Black	HBL60SPFR HBL60SPFRRT



100 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male Inline Female Inline	125V	Double Set Screw	Black	HBL100SPM HBL100SPF
Male Panel Mount	125V	Double Set Screw Ring Terminal	Black	HBL100SPMR HBL100SPMRRT
Female Panel Mount	125V	Double Set Screw Ring Terminal	Black	HBL100SPFR HBL100SPFRRT
Male Inline Female Inline	250V	Double Set Screw	Yellow	HBL106SPM HBL106SPF
Male Panel Mount	250V	Double Set Screw Ring Terminal	Yellow	HBL106SPMR HBL106SPMRRT
Female Panel Mount	250V	Double Set Screw Ring Terminal	Yellow	HBL106SPFR HBL106SPFRRT



Convention Center Pin and Sleeve Devices

Features and Benefits

Convention Center Pin and Sleeve Devices

Hubbell's newest offering of 60A, 4P 5W, 277/480V AC, pin and sleeve devices are specifically designed and built to meet the demanding needs of Convention Centers and provide reliable performance for power distribution.

These devices are certified to UL 1682 & UL 2305, with a light-weight, low profile, polycarbonate construction, that mate with the current installed base, and are able to accept both round and flat cable.





Housing Design

- Manufactured in a durable light-weight polycarbonate construction to withstand heavy impact
- Full Line: Plug, Connector, Receptacle, and Inlet
- 60A, 4P 5W, 277/480V AC



Contacts

• Brass pins to maximize conductivity



Safety

- First to mate and last to break ground pin
- Mates with existing installed base



Wiring

• Single device that accepts both round and flat cable

Convention Center Pin and Sleeve Devices



HBL5607P

Convention Center Pin and Sleeve Devices

Description	Catalog Number
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Plug	HBL5607P
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Connector	HBL5607C
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Inlet	HBL5607B
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Receptacle	HBL5607R



HBL5607C

Specifications

Pole/Wire Configuration	4-pole, 5-wire grounding
Voltage Rating	60A, 277/480V AC
Material	Polycarbonate
Contacts	Brass



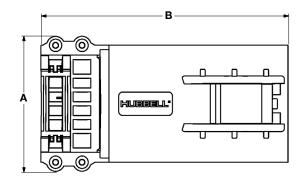
HBL5607B

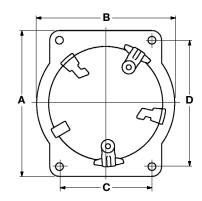
Product Dimensions Inches (mm)

Catalog Number	Α	В	С	D
HBL5607P	6.36" (161.5)	3.46" (87.9)	_	_
HBL5607C	6.49" (164.8)	3.46" (87.9)	_	_
HBL5607B	3.75" (95.3)	3.37" (85.5)	2.38" (60.3)	3.25" (82.6)
HBL5607R	3.75" (95.3)	3.54" (89.9)	2.38" (60.3)	3.25" (82.6)



HBL5607R





SECTION I

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LINKOSITY® Power Components - Cables and Receptacles

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
PH = Double Ended Cable with Male/Female Straight PM = Male Single Ended Straight PN = Male Single Ended 90° PF = Female Single Ended Straight PG = Female Single Ended 90° PQ = Double Ended Cable with Female 90° PR = Double Ended Cable with Male 90° PS = Double Ended Cable with (2) 90° Connectors	20 = 20A up to 600V	02 03 04 05	PA = Green/Yellow Black (all others) PB = Green/Yellow White Black (all others)	001 = 1'
	20A up to 600V Specialty construction (Includes isolated ground on 6 wire and #10 AWG super neutral conductor on 5 and 6 wire devices, PB color code only)	03 04 05 06		005 = 5' 010 = 10' 015 = 15' 020 = 20' 025 = 25' 030 = 30' 035 = 35'
			PE = All Blue***	040 = 40' 045 = 45' 050 = 50'
RF = Female Receptacle*	30 = 30A up to 600V	04		
RM = Male Receptacle (Inlet)*				
Example: PH	23	06	PB	005

Note: *1/2" NPT rear thread.

**Other color codes available upon request.

Tees

Configurations (Male face view shown, female view is opposite)

20 AMP			
20A SNIG (with super neutral and IG)	•		
30 AMP			



TX2304002304T00

Description
LINKOSITY® M/F/F Tee, 20A, 2P
LINKOSITY® M/F/F Tee, 20A, 3P
LINKOSITY® M/F/F Tee, 20A, 4P
LINKOSITY® M/F/F Tee, 20A, 5P
LINKOSITY® M/F/F Tee, 20A SNIG, 4P
LINKOSITY® M/F/F Tee, 20A SNIG, 6P
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap
LINIKOCITA® NA/E/E T COA CNIIO O DI T

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ССМВС

LINKOSITY® M/F/F Tee, 20A, 4P	TX2004002004T00
LINKOSITY® M/F/F Tee, 20A, 5P	TX2005002005T00
LINKOSITY® M/F/F Tee, 20A SNIG, 4P	TX2304002304T00
LINKOSITY® M/F/F Tee, 20A SNIG, 6P	TX2306002306T00
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap	TX2306002304A00
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap	TX2306002304B00
LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap	TX2306002304C00
LINKOSITY® M/F/F Tee, 30A, 4P	TX3004003004T00
Closure Cans	

Ciosure Caps For use with Description Male Inlet Female Receptacle 20A and 30A Receptacle Closure Cap **CCMBC CCFBC**

Catalog Number TX2002002002T00 TX2003002003T00

^{***}Two wire only.



LINKOSITY® Control Integration Components - Cables and Receptacles

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
	03 = 3A - 2W, 4W up to 300V	02 04	PA = Green/Yellow	001 = 1'
PH = Double Ended Cable with Male/Female Straight PM = Male Single Ended Straight PN = Male Single Ended 90° PF = Female Single Ended Straight PG = Female Single Ended 90° PQ = Double Ended Cable with Female 90° PR = Double Ended Cable with Male 90° PS = Double Ended Cable with (2) 90° Connectors	R3 = $\frac{3A - 2W}{\text{up to } 300V}$	02 03 04	Black (all others) PB = Green/Yellow White Black (all others)	005 = 5' 010 = 10' 015 = 15' 020 = 20' 025 = 25' 030 = 30' 035 = 35'
	10A - 2W, 3W, 4W, 5W 10 = 10A - 6W, 7W, 8W, 9W 7A - 10W, 12W	02 03 04 05 06	PE = All Blue***	040 = 40' 045 = 45' 050 = 50'
RF = Female Receptacle* RM = Male Receptacle (Inlet)* Example: PH	up to 600V	08 09 10 12	PB	005

Note: *1/2" NPT rear thread.

Configurations (Male face view shown, female view is opposite)

03		Typically used for inputs in DC control circuits			
R3*		Typically used for outputs in DC control circuits			
10	1 11 ~ 11 11 11 11 11				

Note: *Reverse key.

Splitters/Tees

Spiriters/ rees	
Description	Catalog Number
LINKOSITY® M/F/F Splitter, 3A/4W	TX0304000304T00
LINKOSITY® M/F/F Tee, 10A, 2 Pole	TX1002001002T00
LINKOSITY® M/F/F Tee, 10A, 3 Pole	TX1003001003T00
LINKOSITY® M/F/F Tee, 10A, 4 Pole	TX1004001004T00
LINKOSITY® M/F/F Tee, 10A, 5 Pole	TX1005001005T00
LINKOSITY® M/F/F Tee, 10A, 6 Pole	TX1006001006T00



TX1004001004T00

Closure Caps

Description	For use with Female Receptacle	Male Inlet
3A Closure Cap	CCM1C	CCF1C
10A Closure Cap, 2, 3, 4, 4, 5 and 6 Pole	CCMAC	CCFAC
10A Closure Cap, 7 and 8 Pole	CCMBC	CCFBC
10A Closure Cap, 9, 10, 12 Pole	CCMCC	CCFCC



^{**}Other color codes available upon request.

^{***}Two wire only.



Power System Distribution Assemblies

- Available with up to 5 receptacles, wide variety of NEMA receptacle types
- LINKOSITY® power pass through option
- Fed with LINKOSITY® power cable and receptacle
- 16 gauge sheet metal enclosure ANSI 61 gray powder coat NEMA 1
- Device identification marking
- Versatile mounting provision
- Local or master switch



Note: Accepts PH2304 series cables.

Straight Blade - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
М	SL = Switch Local SM = Switch Master 00 = No Switch	1 2 3 4 5	SG = Spec Grade HG = Hospital Grade CR = Corrosion Resistant	IG = Isolated Ground GF = Ground Fault SS = Surge Suppression 00 = Standard	P = Pass-thru** 0 = No Pass-thru	 D = 2 Circuit A = A Phase B = B Phase C = C Phase
Fyample: M	SI	1	SG	00	P	

Twist-Lock® - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
М	SL = Switch Local SM = Switch Master 00 = No Switch	1 2 3 4 5	L1 = 15A L2 = 20A	IG = Isolated Ground 00 = Standard	P = Pass-thru 0 = No Pass-thru	6 = 250V
Example: M	00	3	L1	IG	0	

Note: Local switches control all receptacles in a box. Master switches control local and downstream receptacles. Consult factory for alternate wiring schemes.

Switch Only (ON/OFF) - UL Type 1

Device Type	Switch Types	Switch Style	Poles
s	1 = 1 Gang 2 = 2 Gang 3 = 3 Gang	2W = ON/OFF	1P = Single Pole DP = Two Pole
Example: S	1	2W	1P

Switch Only (3-Way) - UL Type 1

Device Type	Switch Types	Switch Style	Position
s	1 = 1 Gang	3W = 3 Way	M = Main R = Remote LM = Line to Main LR = Load to Remote
Example: S	1	3W	M

Note: For use with Px2304PBxxx series cables.

Switch Only (4-Way) - UL Type 1

Evennlei S		414/	
s	1 = 1 Gang	4W = 4 Way	
Device Type	Switch Types	Switch Style	

Features

Recep	tacle Types	CR	HG	SG	L1
00	Standard	HBL53CM62	HBL8300GY	5362G	HBL4700
IG	Isolated Ground	-	-	CR5352IGGY	IG4700A
GF	Ground Fault	_	GFRST83GY	GFRST20GY	_
SS	Surge Suppression	_	HBL8362GYSA	HBL5362GYSA	_
Switc	h Types	CR	HG	SG	L1
SL	Local ON/OFF	_	_	HBL1221PL	_
SM	Master ON/OFF	_	_	HBL1221PL	_

^{*}Consult factory for wiring specifications and connecting cables.

^{**}Pass-thru on phase tap boxes are 3Ø.



LINKOSITY® UL Type 3R and 4X Rated Assemblies

- Available with switch, ground fault, corrosion resistant or isolated ground receptacle types
- LINKOSITY® power pass through option
- Fed with LINKOSITY® power cable and receptacle
- UL Type 3R and 4X Rated
- Device identification marking
- Versatile mounting provision



LINKOSITY® Feed - UL Type 3R Rated*

3R Rated Standard Items	
Description	Catalog Number
20A 125V Ground Fault	M3R002SGGF0
20A 125V Switched, Spec Grade	M3RSL1SG000
20A 125V Switched, Ground Fault	M3RSL1SGGF0
20A 125V Spec Grade	M3R002SG000
20A 125V Ground Fault, Pass-Thru	M3R002SGGFP
20A 125V Switched, Spec Grade, Pass-Thru	M3RSL1SG00P
20A 125V Switched, Ground Fault, Pass-Thru	M3RSL1SGGFP
20A 125V (2) Switches	M3R2SG000
20A 125V 1-Gang Ground Fault	M3R001SGGF0
20A 125V Corrosion Resistant	M3R002CR000
20A 125V Isolated Ground	M3R002SGIGP
20A 125V Spec Grade, Pass-Thru	M3R002SG00P

Note: *When cover closed.

Device Type	Style	Туре	No. of Devices	Device Type	Device Feature	Pass-Thru
М	3R - 3R Lids 3D - 3R Deep Cover	SL - Switch Local SM - Switch Master 00 - None	1 2	Resistant L1 - 15A Locking	IG - Isolated Ground GF - Ground Fault SI - Surge/IG SS - Surge 00 - Standard	P - Pass-Thru 0 - No Pass-Thru





Replacement Mounting Feet

Description	Catalog Number
For Power Distribution Assemblies.	HBLRFT1∆

Note: ^A Package of 10 mounting feet and 10 screws.





LINKOSITY® Feed - UL Type 4X Rated**

4X Rated NEMA Standard Items

Description	Catalog Number
20A 125V Straight Blade†	MLWF2010
20A 125V WTSSTL	MLWF2020
20A 125V Straight Blade, Pass-Thru	MLWF201P
20A 125V WTSSTL, Pass-Thru	MLWF202P
20A 125/250V WTSSTL, No Pass-Thru	MLWF2070
30A 125V WTSSTL, No Pass-Thru	MLWF1050
30A 250V WTSSTL, No Pass-Thru	MLWF1060
30A 125V WTSSTL, No Pass-Thru	MLWF2050
30A 250V WTSSTL, No Pass-Thru	MLWF2060

All LINKOSITY® - UL Type 4X Rated•

437 5			
4X Rated	LINKOSII	Y Standard	Items

Description	Catalog Number
20A 3W up to 600V, 4 Port	M4L2003PB0
20A 3W up to 600V, 4 Port Pass-Thru	M4L2003PBP

Conduit Feed - UL Type 4X Rated**

Conduit Feed Standard Items

Description	Catalog Number
20A 125V Straight Blade	MCWF2010
20A 125V WTSSTL	MCWF2020
20A 250V WTSSTL	MCWF2030
20A 277V WTSSTL	MCWF2040
30A 125V WTSSTL	MCWF2050
30A 250V WTSSTL	MCWF2060
20A 125/250V WTSSTL	MCWF2070
20A 3Ø, 250V WTSSTL	MCWF2080
20A 3Ø, 480V WTSSTL	MCWF2090
30A 125/250V WTSSTL	MCWF2100
30A 3Ø 250V WTSSTL	MCWF2110
30A 3Ø 480V WTSSTL	MCWF2120
30A 3Ø 600V WTSSTL	MCWF2130

Note: **Watertight Safety-Shroud® Twist-Lock® Plug required when in use.

†Straight Blade are UL Type 4X when not in use only.

•Closure cap required when not in use. Accepts PH2304 series cables.

WTSSTL is an abbreviation for Watertight Safety-Shroud® Twist-Lock®.





Device Type	Style	Туре	No. of Devices	Device Type	Pass-Thru
M	L - LINKOSITY	WF - Watertight Safety-Shroud Receptacle WM - Watertight Safety-Shroud Inlet	1 2	01 - 20A 125V Straight Blade† 02 - 20A 125V Twist-Lock 03 - 20A 250V Twist-Lock 04 - 20A 277V Twist-Lock 05 - 30A 125V Twist-Lock 06 - 30A 250V Twist-Lock 07 - 20A 125/250V Twist-Lock 08 - 20A 3Ø 250V Twist-Lock 09 - 20A 3Ø 480V Twist-Lock 10 - 30A125/250V Twist-Lock 11 - 30A 3Ø 250V Twist-Lock 13 - 30A 3Ø 480V Twist-Lock	P - Pass-Thru 0 - No Pass-Thru





Device			No. of		
Type	Style	Туре	Poles	Conductor Colors	Pass - Thru
М	4L - LINKOSITY	20 - 20A	02	PA - Green/Yellow	P - Pass-Thru
			03	Black (all others)	0 - No Pass-Thru
		23 - 20A	04	,	
		Super Neutral	05	PB - Green/Yellow	
		Isolated Ground	06	White	
				Black (all others)	
		30 - 30A		, , , , , ,	



Device Type	Style	Туре	No. of Devices	NEMA Device Type	Pass-Thru
М	C - Conduit	WF - Watertight	2	01 - 20A 125V Straight Blade	0 - No Pass-Thru
	Feed	Safety-Shroud		02 - 20A 125V Twist-Lock	
		Receptacles		03 - 20A 250V Twist-Lock	
				04 - 20A 277V Twist-Lock	
		WM - Watertight		05 - 30A 125V Twist-Lock	
		Safety-Shroud		06 - 30A 250V Twist-Lock	
		Inlet		07 - 20A 125/250V Twist-Lock	
				08 - 20A 3Ø 250V Twist-Lock	
				09 - 20A 3Ø 480V Twist-Lock	
				10 - 30A125/250V Twist-Lock	
				11 - 30A 3Ø 250V Twist-Lock	
				12 - 30A 3Ø 480V Twist-Lock	
				13 - 30A 3Ø 600V Twist-Lock	

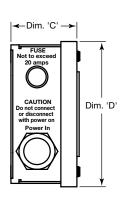


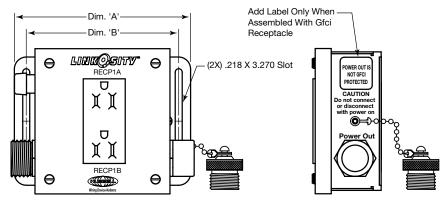
Replacement Mounting Feet

Description	Catalog Number
For Power Distribution Assemblies.	HBLRFT1 [∆]

Note: ^A Package of 10 mounting feet and 10 screws.







Catalog Number M001****P Shown

Catalog Number Gangs		Dimension 'A'	Dimension 'B'	Dimension 'C'	Dimension 'D'	
M001****P	1	5.50 (139.7)	4.75 (120.7)	2.25 (57.2)	4.53 (115.1)	
M002****P	2	7.50 (190.5)	6.75 (171.5)	2.25 (57.2)	4.53 (115.1)	
M003****P	3	9.50 (241.3)	8.75 (222.3)	2.25 (57.2)	4.53 (115.1)	
M004***P	4	11.50 (292.1)	10.75 (273.1)	2.25 (57.2)	4.53 (115.1)	
M005****P	5	13.50 (342.9)	12.75 (323.9)	2.25 (57.2)	4.53 (115.1)	

LINKOSITY® Specifications

Certifications	
System Level	ETL Classified to NEC
Component Assemblies (PSDA)	UL Listed
Connecting Components	Listed to UL2238 and UL 50
Cable (Up to #22 AWG)	UL 300V Type ITC/PLTC 105°C
Cable (#16 AWG and Up)	UL 600V Type TC-ER, MTW 90°C or STOOW 600V 105°C

Cable Diameter

Amps	Wires	O.D.
20	3	.595 (15.1)
20	4	.645 (16.4)
20	5	.710 (18.0)
20	6	.760 (19.3)
30	4	.710 (18.0)

Performance

Electrical	
Voltage	Up to 600V
Amperage	Up to 30A

Environmenta

Environmental		
Connectivity System Components		
Moisture Resistance	UL Type 4, 4X, 12 and 13	
Ingress Protection	IP66 Suitability	
Flammability	UL94HB Cables/UL94V-0 receptacles	
Power System Distribution Assemblies		
Moisture Resistance	NEMA Type 1, Type 3R, Type 4X	

Dimensions in Inches (mm)



MotorQuick® Disconnect Switches

Housing Design

- Thermoplastic Cover on Plated Steel Base
- NEMA 1 Enclosure
- Pre-wired with LINKOSITY® Components
- Crush and Impact Resistance of MC Cable





Housing Design

- High Impact Valox® Enclosure
- Type 4X Enclosure
- Permanent Labelless Marking
- Lockable Handle to Meet OSHA Lockout/Tagout Regulations
- Cable Ratings: TC-ER, MTW, STOOW









HBLDS3MQR

MotorQuick® Disconnect Switches

	Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC		Catalog Number
	HBL1389D with one pre-wired LINKOSITY® female receptacle (load side).		HBL1389MQR
	HBL1389D with 5 foot pre-wired LINKOSITY® female cable (load side).		HBL1389MQ5
	HBL1389D with one pre-wired LINKOSITY® male receptacle (line side)		HBL1389MQR2
	and one pre-wired LINKOSITY® female receptacle (load side).		
	Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC		
	HBLDS3 with one pre-wired LINKOSITY® female receptacle (load side).		HBLDS3MQR
	HBLDS3 with 5 foot pre-wired LINKOSITY® female cable (load side).		HBLDS3MQ5
į.	HBLDS3 with one pre-wired LINKOSITY® male receptacle (line side)		HBLDS3MQR2
	and one pre-wired LINKOSITY® female receptacle (load side).		
	Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	Sloped Top	Square Top
	HBLDS3SS with one pre-wired LINKOSITY® female receptacle (load side).	HBLDS3SSRMQR	HBLDS3SSMQR
	HBLDS3SS with 5 foot pre-wired LINKOSITY® female cable (load side).	HBLDS3SSRMQ5	HBLDS3SSMQ5
	HBLDS3SS with one pre-wired LINKOSITY® male receptacle (line side)	HBLDS3SSRMQR2	HBLDS3SSMQR2
	and one pre-wired LINKOSITY® female receptacle (load side).		



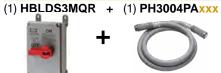
Accessories

Description	Catalog Number
3P 4W LINKOSITY® male receptacle for installation on motor.	RM3004PA001
3P 4W LINKOSITY® female receptacle for installation in switch.	RF3004PA001
3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable.	PH3004PAxxx*
3P 4W LINKOSITY® single ended (female) 5-50 foot cable.	PF3004PAxxx*
Cord connector, ¾ in. NPT .63–.75 in. (16.0–19.1) diameter.	SHC1037CR
Lock-on cover for LINKOSITY® connections.	PH2030C

Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the XXX with the required length in feet. (Examples: PH3004PA005 = 5 foot cable, PH3004PA050 = 50 foot cable.)



Sample Set Up





(1) RM3004PA001





Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

CableTrak® Hose and Cable Carrier System

The design of CableTrak carriers provides easy access to components during installation and repair. The track's flip top design allows the installer to lay cable and hose components directly into the track instead of pulling them through the length of the track. Hubbell CableTrak carriers can be ordered as assembled kits with brackets or by the foot without brackets. The final length of the track is easily customized by adding or removing sections of track or individual links with a flat head screwdriver.

CableTrak® Installation

- 1. Unlock Tab.
- Locking tabs secure the retaining bar into place. To unlock tabs, slide a flat head screwdriver under the tab and release it with a twisting motion.

Access/Install Cables and Hoses

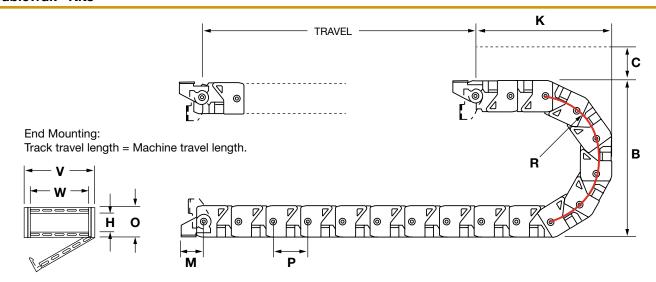
- Easy access is important, especially for pre-assembled cable/hose sets involving large O.D. plugs, receptacles, and couplings.
- 4. Lock Tab.
- **5.** To re-secure retaining bars, engage the hinge and snap the locking tab into place.







CableTrak® Kits



CableTrak® Kit with Brackets

Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearance	K Min Brkt to Bend	M Brkt to Pivot	P Pitch	L* Curve Length (ft)
HCT10114K**	4.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	5.68"	1.33"	1.250"	1.000'
HCT10219K**	4.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	5.41"	1.33"	1.250"	1.000'
HCT16119K	4.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16134K	4.5'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16219K	4.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	5.72"	1.19"	1.812"	1.000'
HCT16234K	4.5'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16334K	4.5'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT16434K	4.5'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	7.85"	1.19"	1.812"	1.500'
HCT25134K	4.5'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25234K	4.5'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	8.31"	1.75"	2.500"	1.500'
HCT25247K	5.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'
HCT25347K	5.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	10.52"	1.75"	2.500"	2.000'

CableTrak® Kit without Brackets

Catalog Number	Track Length (ft)	W Inner Width	H Inner Height	A Max Hose/Cab O.D.	B Max Component Width	V Outer Width	O Outer Height	R Bend Radius	B Bend Height	C Clearand	P ce Pitch	L* Curve Length (ft)
HCT101141**	1.0'	0.59"	0.75"	0.286"	0.531"	1.03"	1.00"	1.44"	3.86"	2.00"	1.250"	1.000'
HCT102191**	1.0'	1.00"	0.75"	0.382"	0.900"	1.44"	1.00"	1.91"	4.82"	2.00"	1.250"	1.000'
HCT161191	1.0'	1.50"	1.00"	0.382"	1.350"	2.12"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT161341	1.0'	1.50"	1.00"	0.688"	1.350"	2.12"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT162191	1.0'	2.28"	1.00"	0.328"	2.052"	2.91"	1.62"	1.91"	5.44"	3.00"	1.812"	1.000'
HCT162341	1.0'	2.28"	1.00"	0.688"	2.052"	2.91"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT163341	1.0'	3.08"	1.00"	0.688"	2.772"	3.70"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT164341	1.0'	4.06"	1.00"	0.688"	3.654"	4.69"	1.62"	3.44"	8.50"	3.00"	1.812"	1.500'
HCT251341	1.0'	2.60"	1.75"	0.680"	2.340"	3.70"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252341	1.0'	4.25"	1.75"	0.680"	3.825"	5.36"	2.50"	3.40"	9.30"	3.00"	2.500"	1.500'
HCT252471	1.0'	4.25"	1.75"	0.956"	3.825"	5.36"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'
HCT253471	1.0'	6.60"	1.75"	0.956"	5.940"	7.70"	2.50"	4.78"	12.06"	3.00"	2.500"	2.000'

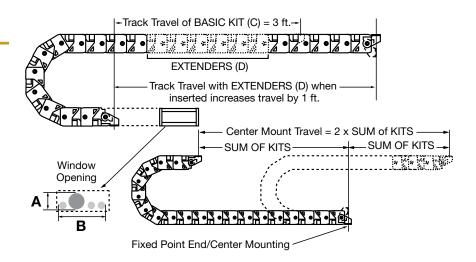
Dimensions in Inches (mm)

Note: *L = Minimum length in feet to form CableTrak curve.

**These models do not have a flip top design and do not accept separators due to their small size.

CableTrak® Accessories

Center Mounting: Mounting the fixed track end in the center of the machine travel allows the track to travel beyond the fixed end. Center mounting effectively doubles the travel distance of the track requiring half the track length of an end mounted application.



Calculating

Center Mount (Stationary bracket mounted in center of travel range): Track Length = (MT/2) + L End Mount (Stationary bracket mounted off center of travel range): Track Length = (MT/2) + L + offset from center in feet MT = Total machine travel distance in feet L = Length of track taken up by the bend radius

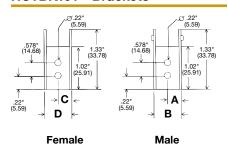
Customizing Track Length

Hubbell CableTrak is easily customized by adding or subtracting links to the track. CableTrak kits provide 4 to 5 feet of track with brackets pre-installed. Track length can be increased by installing the required number of extenders to reach the required length. To further tune the length of track, individual links can be added or removed. To determine the number of links to add or remove, divide the length in inches to be added or subtracted by the pitch of the track and round up.

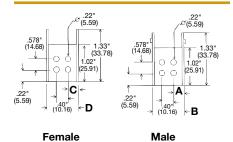
CableTrak® Accessories

Bracket Kits	For Use With	Α	В	С	D	Е	F	G	Н
HCTBK101	HCT101 Series	.40" (10.2)	.81" (20.6)	.47" (12.0)	.94" (23.9)	-	-	-	_
HCTBK102	HCT102 Series	.44" (11.2)	1.22" (31.0)	.44" (11.2)	1.35" (34.3)	_	_	-	_
HCTBK161	HCT161 Series	.99" (25.2)	1.97" (50.1)	.87" (22.1)	1.84" (46.7)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK162	HCT162 Series	1.78" (45.2)	2.75" (69.9)	1.65" (41.9)	2.63" (66.8)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK163	HCT163 Series	2.57" (65.3)	3.55" (90.2)	2.44" (62.0)	3.42" (86.9)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK164	HCT164 Series	3.56" (90.4)	4.53" (115.1)	3.47" (88.1)	4.41" (112.0)	1.19" (30.2)	.281" (7.1)	.75" (19.1)	.81" (20.6)
HCTBK251	HCT251 Series	2.08" (52.8)	3.21" (81.5)	1.80" (45.7)	3.03" (77.0)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK252	HCT252 Series	3.74" (95.0)	4.87" (123.7)	3.46" (87.9)	4.69" (119.1)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
HCTBK253	HCT253 Series	6.08" (154.4)	7.21" (183.1)	5.80" (147.3)	7.03" (178.6)	1.75" (44.5)	.344" (8.7)	1.00" (25.4)	1.25" (31.8)
Separators	For Use With	Α	В	С	D	Е	F		
HCTSP16PK12	PHCT16 Series	1.24" (31.5)	.82" (20.8)	.94" (23.9)	.27" (6.9)	.14" (3.6)	.50" (12.7)		
HCTSP25PK12	2 HCT25 Series	2.03" (51.6)	1.00" (25.4)	1.19" (30.2)	.35" (8.9)	.15" (3.8)	.62" (15.8)		

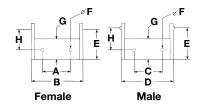
HCTBK101 - Brackets



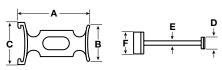
HCTBK102 - Brackets



HCTBK161 - HCTGK253 Brackets



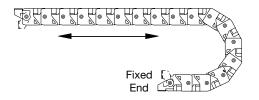
Separators

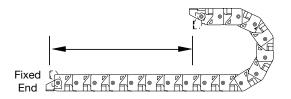


Dimensions in Inches (mm)

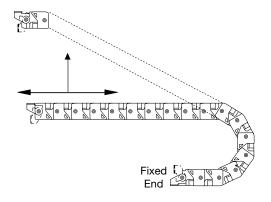
CableTrak® System Mounting Options

Horizontal Travel

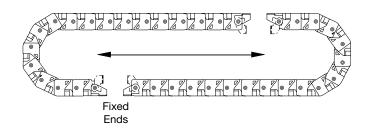




Combination Horizontal & Vertical Travel

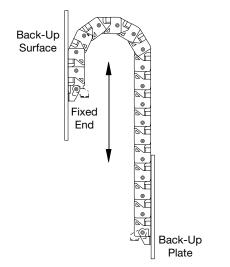


Opposed Travel

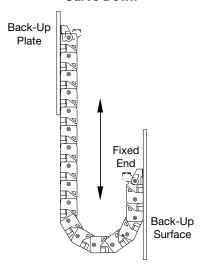


Vertical Travel

Curve Up



Curve Down



Specifications

Material Fiberglass reinforced nylon.

Operating Temperature Continuous +20°F to +100°F (-7°C to 38°C).

Intermittent* -40°F to +220°F (-40°C to 104°C).

Maximum Operating Speed 600 FPM (feet per minute), 180 MPM (meters per minute).

Operating speed is based on short lengths that are self supported (up to 9ft.).

Maximum Unsupported

Travel Distance HCT16 Series without sag 9 ft. (2.8 m) with sag 10.5 ft. (3.2 m). HCT25 Series without sag 13.5 ft. (4.1 m) with sag 17 ft. (5.2 m).

Applications Machine tool, robotic automation, material handling.

Note: "Intermittent refers to the operating of the product outside the normal (continuous operating) temperature range momentarily before returning back to the normal range.

Industrial Connectivity and Control Products



DIN Rail Utility Box

Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the DIN Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other power requirement. If load limiting is a concern, Hubbell's "CB" version comes with a 5 Amp circuit breaker that provides over-current protection to make sure that large loads are not drawn from the DIN Rail Utility Box. All Hubbell DIN Rail Utility Boxes may be mounted either vertically or horizontally on the DIN Rail; the "H" version comes with the terminal block mounted for easy wiring when the DIN Rail Utility Box is mounted horizontally.

Duplex Receptacles	15A 125V NEMA 5-15R UL CSA 0.5 HP



2 up:0% : 10 0 0 p tu 0:00			
Description	Color	Catalog Number	
Complete unit.	Gray	DRUB15	DRUB20
Complete unit, horizontal mount.	Gray	DRUB15H	_
Complete unit with 5A circuit breaker.	Gray	DRUB15CB5	_
Complete unit with 5A circuit breaker, horizontal.	Gray	DRUB15HCB5	_
Complete unit with aux.	Gray	_	DRUB20AC
Complete unit with aux and 5A circuit breaker.	Gray	-	DRUB20ACCB5
Complete unit with NEMA® 6-20R duplex (250V)	Grav	_	DRUB5462*

GFCI Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	DRUBGFI15	DRUBGFI20
Complete unit, horizontal.	Gray	DRUBGFI15H	_
Complete unit with 5A circuit breaker.	Gray	DRUBGFI15CB5	_
Complete unit with 5A circuit breaker, horizontal.	Gray	DRUBGFI15HCB5	_
Complete unit with aux GFCI contacts.	Gray	DRUBGFI15AC	DRUBGFI20AC
Complete unit, faceless with aux GFCI contacts.	Gray	_	DRUBGFI20BFAC

TVSS Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	DRUBTVSS15	_
Complete unit with aux contacts.	Gray	DRUBTVSS15AC	-

Isolated Ground Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	DRUBIG15	_

Toggle Switch Unit

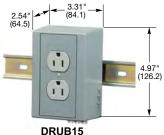
Description	Color	Catalog Number
Complete unit with HBL1221.	Gray	DRUB1221AC
Complete unit with 15A 125V SW/REC.	Gray	DRUB6404

DIN Rail Utility Box Components

Diri Hali Otility Dox Components		
Description	Color	Catalog Number
Pre-wired kit without circuit breaker.	Gray	DRUBKIT
Pre-wired kit with circuit breaker.	Gray	DRUBKITCB5
Pre-wired kit with aux.	Gray	DRUBKITAC
Pre-wired kit with circuit breaker and aux.	Gray	DRUBKITACCB5
Communications kit (unloaded).	Gray	HIDRUBCKIT
(For use with Network Wiring frames in section W).		
Switch plate only.	Gray	KP1GY**
Rectangular opening plate only.	Gray	KP26GY**
1.60 in. opening plate only.	Gray	KP720GY**
1.40 in. opening plate only.	Gray	KP7GY**
Duplex receptacle plate only.	Gray	KP8GY**

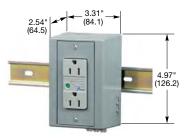
Note: \triangle See section M for additional information on isolated ground devices.

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

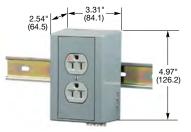


2.54" (84.1) (64.5) (94.1)

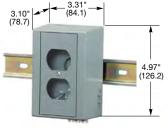
DRUBGFI15AC



DRUBTVSS15



DRUBIG15



HIDRUBCKIT

^{*}DRUB5462 configuration not pictured.

^{**}UL Listed, CSA Certified.





NFPA 70E Compliant



Features and Benefits

PANEL-SAFE® Power and Data

An arc flash is a short circuit that travels through air from one live circuit to another. Problems including gaps in insulation, dust or corrosion on the surface of a conductor, or even use of substandard components can cause a serious safety hazards and equipment failures. Arc flash incidents can be extremely costly to a business and can result in serious or even fatal burns, as well as damage to eyesight. Hubbell PANEL-SAFE® provides through door access to live electrical components without having to open the enclosure.

- Available in Type 4, 12 and 4X versions with protective clear cover
- Provides overcurrent protection for both power and data access ports
- Ensures safety with finger-safe contacts and Hubbell GFCI functionality







Housing Design

- Rugged, nickel-plated hardware, excellent corrosion and abuse resistance
- Protective clear cover
- Operating temperature -20°C to 110°C



Internal Design

- Hubbell GFCI with functionality indicator
- Cat. 5e Ethernet access*
- Overcurrent protection



Housing Design

- Locking Hasp accepts ⅓₂" padlock
- Supplemental "Tool" entry screw closure



Internal Design

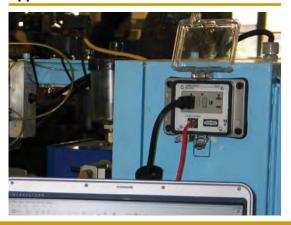
- Additional convenience outlet on GFCI versions
- Finger-safe contacts
- Stainless steel snap latch

Note: *Additional computer interfaces and PLC connections available upon request.

Specifications

opcomoatic	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Electrical	GFCI - conforms to UL 943 2006 requirement In-Cabinet Receptacle - GFCI protected Data Jack - Cat. 5e Circuit Breaker - 3A
Mechanical	Cover - Clear Polycarbonate (UV Rated) Housing - Cast Aluminum Finish - Powder Coat Latch - Stainless steel
Environmental	Enclosure - NEMA Type 4, 12 and NEMA Type 4X
Certification	UL Recognized CSA Certified

Application



Industrial Connectivity and Control Products







NFPA 70E Compliant

PANEL-SAFE® Power Only

Description	NEMA TYPE 4	NEMA TYPE 4X
15A 125V GFCI with In-Cabinet Receptacle.	PR20	_



PR20

PANEL-SAFE® Data Only

Description	NEMA TYPE 4	NEMA TYPE 4X
Cat. 5e Ethernet Access only.	P5E	P4X5E
DB9 Interface Connector only.	PDB9	_
PANEL-SAFE Data Port with DB9 Connector.	PDB9MF	_
DH + Combo (DB9/8M Din) and Cat. 5e Ethernet.	PDH5E	_
PANEL-SAFE Data Port, (2) USBA, 3 ft. Cable.	_	P4XUSBA2C3



P4XUSBA2C3

PANEL-SAFE® Power and Data

Description	NEMA TYPE 4	NEMA TYPE 4X
15A 125V GFCI with In-Cabinet Receptacle and Cat. 5e Ethernet Access.	PR205E	PR4X205E
15A 125V GFCI with In-Cabinet Receptacle, Cat. 5e Ethernet Access and 3A Circuit Breaker.	PR205EB	PR4X205EB
PANEL-SAFE with 15A GFCI and Cat.5e, DB9 and 3A Circuit Breaker.	PR205EDB9B	_
PANEL-SAFE with 15A GFCI and Cat.5e, 3A USB.	PR205EUSBA	_
PANEL-SAFE with 15A GFCI and Cat.5e, (2) 3A USB.	PR205EUSBA2	_
PANEL-SAFE Data Access Port.	PR205EUSBA2VGA	_
15A 125V GFCI Power and Cat. 5e, DB9 and 3A Circuit Breaker.	PR205EDB9MFB	_
15A 125V GFCI Power and Cat. 5e Ethernet, DH + Combo (DB9/8M Din).	P20DH5E	_
PANEL-SAFE with 15A GFCI and Cat.5/DB9.	P205EDB9	_
PANEL-SAFE, 4X, Cat. 5e, DB9, Circuit Breaker.	_	PR4X205EDB9B
PANEL-SAFE 4X, Cat. 5e, (2) DB9, Circuit Breaker.	_	PR4X205E2DB92B
15A 125V Power and Cat. 5e Ethernet Access.	P155E	P4X155E
15A 125V Power, Cat. 5e Ethernet Access and 3A Circuit Breaker.	P155EB	P4X155EB
15A 125V Power and (2) Cat. 5e Ethernet Access.	P155E2	_
15A 120V AC Power, NEMA 12/4, DB9 M/F, 10 ft. Cable.	P15DB9MFC10	_
15A 125V Power and DH485 Interface (RJ-45F to RJ-45M, 10 ft. Cable).	P15DH485C10	_
15A 125V Power and Micrologix 8M Din/F to 8M Din/M, 10 ft. Cable.	P15ML8F8MC10	_



PR205EUSBA2



PR205EB



P155E



P155EB

Additional computer interfaces, PLC connections and configurations available upon request. Consult factory for catalog number and availability.

Industrial Connectivity and Control Products



Features and Benefits

HI-Impact Industrial Ethernet Connectors

Hubbell's Industrial Ethernet System provides leading edge Category 5e and 6 network transmission performance suitable for industrial and other harsh environments. This system incorporates the use of our standard data connectivity jacks which feature our keystone latching mechanism, in a rugged sealed housing providing IP67 rated protection.

Extend your LAN to include automation equipment and manufacturing or process control equipment. Utilize the Hubbell system to provide added protection in harsh environments such as convention centers, food processing plants, outdoor billboards and display screens, medical and other environments which require added protection from moisture, corrosion, dust-debris, vibration and chemicals.





Housing Design

Description

- Housing made from high impact polymer
- O-rings for moisture protection
- Sealed connection is IP67 rated



Internal Design

- Category 6 and 5e component connectors
- Standard Hubbell Keystone latching system

Catalog Number

Catalog Number

HICH

HIC

HI603AE*

HI603AA*



Industrial Ethernet Connectors

HI-Impact RJ-45 to standard RJ-45.

HI-Impact RJ-45 on both ends. Standard RJ-45 on both ends.

Industrial Ethernet Patch Cords and Plugs

Note: *Additional lengths in feet: 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50.

Coupler Housing and Connector Cap

Description	Cat. 6	Cat. 6 Inline Coupler
Connector	HI6	HI6C













HI-Impact Wallplates

Connector Cap

In impact waipiates									
Description	1-Gang 1-Port Opening	1-Gang 2-Port Openings	2-Gang 2-Port Openings	2-Gang 4-Port Openings					
Stainless steel wallplate.	HISF11	HISF12	HISF22	HISF24					

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

HI-Impact coupler housing is a perfect solution for temporary and flexible work areas where

single port drops are needed. Add any HI-Impact connector to support your application.

Environmental Specifications

Ingress Protection:

NEMA TYPE 4X (connectors).

IP67 and IP66 (dust/water). IP55 (plates).

Corrosion:

Resistant to most common chemicals, oils and cleaning agents.

HI-Impact Housing:

UV resistant.

Temperature Range: TIA/EIA-568-B.2 -25°C to 70°C.

Material

HI-Impact Housing: Valox®, UL 94V-0.
Nose Contacts: Beryllium copper

Beryllium copper with a minimum of 50 micro-inch gold plating over nickel under plating.

Mechanical

Vibration

Frequency Range: 10-500Hz.
Acceleration: 5g (operational).
Mating Cycles: 750 minimum.
UL 1863 compliant.

Electrical

ANSI/TIA/EIA-568-B.2-1 (Cat. 6 and 5e). Supports TIA-1005 Industrial Telecommunications Infrastructure.

SECTION J

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inREACH™ Industrial and Industrial Weatherproof Cord Reels



Commercial and Lighted Cord Reels



Air/Water Hose Reels and Static Discharge Reels



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inREACH™ Industrial and Industrial Weatherproof Cord Reels

Hubbell's newly redesigned inREACH™ Industrial and Industrial Weatherproof Cord Reels improve existing user safety and maximize efficiency by managing cord and power in a safe and organized manner, while also meeting the most demanding industrial environments needs for years with little to no maintenance.

inREACH™ Industrial and Industrial Weatherproof Cord Reels are listed to UL 355 and CSA, C22.2 No. 308 with a durable, lightweight low profile cast aluminum construction. inREACH™ Reels also feature a newly designed mounting plate that allows for a quick easy installation on any surface.



INREACH TM No matter what your need, Hubbell will always be inREACH !!

inREACH™ Industrial Cord Reels

- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications







HBLI45123

inREACH™ Industrial Cord Reels

Cable Length

Amps	Volts AC	Feet (m)	Cable Type	Lbs. (kg)	Black Reel	White Reel	Yellow Reel
10	250	45 (13.7)	16/3 SJO 16/4 SJO	22.9 (10.4) 23.6 (10.7)	=	HBLI45163 HBLI45164	HBLI45163Y HBLI45164Y
		35 (10.7)	16/3 SJO 16/4 SJO	22.0 (10.0) 22.7 (10.3)	=	HBLI35163 HBLI35164	HBLI35163Y HBLI35164Y
		25 (7.6)	16/3 SJO 16/4 SJO	21.2 (9.6) 21.8 (9.9)	=	HBLI25163 HBLI25164	HBLI25163Y HBLI25164Y
15	250	45 (13.7)	14/3 SJO 14/4 SJO	24.0 (10.9) 25.4 (11.5)	_	HBLI45143 HBLI45144	HBLI45143Y HBLI45144Y
		35 (10.7)	14/3 SJO 14/4 SJO	22.9 (10.4) 24.0 (10.9)	=	HBLI35143 HBLI35144	HBLI35143Y HBLI35144Y
		25 (7.6)	14/3 SJO 14/4 SJO	21.8 (9.9) 22.7 (10.3)	=	HBLI25143 HBLI25144	HBLI25143Y HBLI25144Y
20	250	45 (13.7)	12/3 SJO 12/3 SJO 12/4 SJO	26.5 (12.0) 26.5 (12.0) 29.8 (13.5)	HBLI45123BLK — —	HBLI45123 HBLIWC45123** HBLI45124	HBLI45123Y — HBLI45124Y
	_	35 (10.7)	12/3 SJO 12/4 SJO	24.9 (11.3) 26.5 (12.0)	=	HBLI35123 HBLI35124	HBLI35123Y HBLI35124Y
		25 (7.6)	12/3 SJO 12/4 SJO	23.4 (10.6) 24.5 (11.1)	=	HBLI25123 HBLI25124	HBLI25123Y HBLI25124Y
18	250	70 (21.3)	12/3 SJO	79.6 (36.1)	_	HBLI70123*	_
18	250	90 (27.4)	12/3 SJO	86.5 (39.2)	_	HBLI90123*	_
16	250	80 (24.4)	12/3 SJO	85.1 (38.6)	_	HBLI80124*	_
30	250	45 (13.7)	10/3 SJO	32.4 (14.7)	_	HBLI45103	HBLI45103Y
		40 (12.2)	10/4 SJO	33.7 (15.3)	_	HBLI40104	HBLI40104Y
		35 (10.7)	10/3 SJO 10/4 SJO	30.0 (13.6) 32.2 (14.6)	=	HBLI35103 HBLI35104	HBLI35103Y HBLI35104Y
		25 (7.6)	10/3 SJO 10/4 SJO	26.0 (11.8) 29.1 (13.2)	=	HBLI25103 HBLI25104	HBLI25103Y HBLI25104Y
25 25	250 250	80 (24.4) 80 (24.4)	10/3 SJO 10/4 SJO	104.3 (47.3) 113.3 (51.4)	_	HBLI80103* HBLI80104*	=



HBLI45123BLK

Note: * See page J-3 for compatible mounting brackets **Supplied with White cable.



Features and Benefits

inREACH™ Industrial Cord Reels

- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications

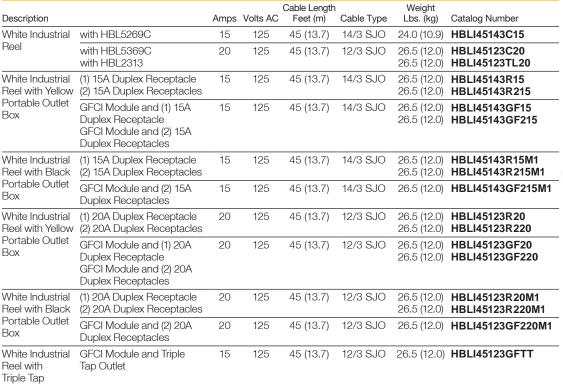
Labor Savings are inREACH™!







inREACH™ Industrial Cord Reels Connector Ends



Note: 15A reels are supplied with HBL5266C on the power supply cord. 20A reels are supplied with HBL5366C on the power supply cord. For shorter cable lengths, modify length indication in catalog number (i.e. HBLIXX), 35ft & 25ft lengths are available. For yellow reel, add 'Y' suffix to catalog number.

inREACH™ Accessories

11112/1011 /10000001100		
Description	Weight Lbs. (kg)	Catalog Number
Mounting bracket Mounting bracket with junction box mount	2.5 (1.1) 3.0 (1.4)	HBLIMB HBLIMBJ
Mounting bracket Mounting bracket with junction box mount	3.5 (1.6) 4.0 (1.8)	HBLIACCMB* HBLIACCMBJ*
340° pivot base	3.5 (1.1)	HBLI340PB
Replacement stop.	.2 (.09)	HBLI16BS HBLI14BS HBLI12BS HBLI10BS

Note: *Compatible with cord reel models from page J-2 marked with a single asterisk (*)

Plenum Rated Enclosure for inREACH™ Cord Reels

Description	Weight lbs. (kg)	Catalog Number
Plenum Rated Enclosure	30 lbs. (13.6)	HBLIPRBOX

Note: Check with manufacturer for compatible cord reel models.







HBLI45123TL20





HBLI45123GFTT





HBLI16BS

HBLIMB

HBLIPRBOX

Features and Benefits

inREACH™ Industrial Weatherproof Cord Reels

- UL Type 4 environmental listing
- 600V AC, SOW Type Cable
- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions

Amps

• Ratchet lock can be disengaged in field for constant tension applications

Volts AC



inREACH™ Industrial Weatherproof Cord Reels

Cable Type

Lbs. (kg)

Cable Length

Feet (m)

HBLW45103

Yellow Reel

White Reel



HBLW45123W



HBLW35143

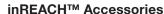


HBLW45103



HBLIMB

10	600	45 (13.7)	16/3 SOW 16/4 SOW	23.6 (10.7) 25.6 (11.6)	HBLW45163 HBLW45164	HBLW45163W HBLW45164W
		35 (10.7)	16/3 SOW 16/4 SOW	22.5 (10.2) 23.1 (10.5)	HBLW35163 HBLW35164	HBLW35163W HBLW35164W
		25 (7.6)	16/3 SOW 16/4 SOW	21.4 (9.7) 21.8 (9.9)	HBLW25163 HBLW25164	HBLW25163W HBLW25164W
15	600	45 (13.7)	14/3 SOW 14/4 SOW	28.2 (12.8) 30.0 (13.6)	HBLW45143 HBLW45144	HBLW45143W HBLW45144W
		35 (10.7)	14/3 SOW 14/4 SOW	25.1 (11.4) 26.5 (12.0)	HBLW35143 HBLW35144	HBLW35143W HBLW35144W
		25 (7.6)	14/3 SOW 14/4 SOW	22.5 (10.2) 24.3 (11.0)	HBLW25143 HBLW25144	HBLW25143W HBLW25144W
18 16	600	80 (24.4) 75 (22.9)	12/3 SOW 12/4 SOW	97.5 (44.2) 107.4 (48.7)	_	HBLW80123W* HBLW75124W*
20	600	45 (13.7)	12/3 SOW	31.3 (14.2)	HBLW45123	HBLW45123W
		40 (12.2)	12/4 SOW	32.2 (14.6)	HBLW40124	HBLW40124W
		35 (10.7)	12/3 SOW 12/4 SOW	28.9 (13.1) 30.6 (13.9)	HBLW35123 HBLW35124	HBLW35123W HBLW35124W
		25 (7.6)	12/3 SOW 12/4 SOW	24.9 (11.3) 27.6 (12.5)	HBLW25123 HBLW25124	HBLW25123W HBLW25124W
25 20	600	75 (22.9) 75 (22.9)	10/3 SOW 10/4 SOW	103.8 (47.1) 116.2 (52.7)	_	HBLW75103W* HBLW75104W*
30	600	40 (12.2)	10/3 SOW	33.3 (15.1)	HBLW40103	HBLW40103W
		35 (10.7)	10/3 SOW 10/4 SOW	31.7 (14.4) 34.2 (15.5)	HBLW35103 HBLW35104	HBLW35103W HBLW35104W
		25 (7.6)	10/3 SOW 10/4 SOW	28.4 (12.9) 30.2 (13.7)	HBLW25103 HBLW25104	HBLW25103W HBLW25104W
40 30 35	600	45 (13.7) 60 (18.3) 45 (13.7)	8/3 SOW 8/3 SOW 8/4 SOW	106.5 (48.3) 123.2 (55.9) 122.8 (55.7)		HBLW4583W* HBLW6083W* HBLW4584W*
55 55	600	45 (13.7) 45 (13.7)	6/3 SOW 6/4 SOW	123.0 (55.8) 126.7 (57.5)	=	HBLW4563W* HBLW4564W*
14 6	600	45 (13.7) 45 (13.7)	12/8 SOW 14/12 SOW	107.4 (48.7) 113.5 (51.5)	_	HBLW45128W* HBLW451412W*







HBLI10BS

Description	Weight Lbs. (kg)	Catalog Number
Mounting bracket	2.5 (1.1)	HBLIMB
Mounting bracket with junction box mount	3.0 (1.4)	HBLIMBJ
Mounting bracket	3.5 (1.6)	HBLIACCMB*
Mounting bracket with junction box mount	4.0 (1.8)	HBLIACCMBJ*
340° pivot base	3.5 (1.6)	HBLI340PB
Replacement stop		HBLI16BS
	.2 (.09)	HBLI14BS
	.2 (.09)	HBLI12BS
		HBLI10BS

Note: *Compatible with cord reel models marked with a single asterisk (*)



Features and Benefits

Heavy Duty Industrial Weatherproof Reels

- Powder coated, solid U.S. steel construction
- Multi-position roller guide can be mounted in four different positions
- Ratchet lock can be disengaged in field for constant tension application
- UL Type 4X enclosure protects spring motor, junction box, slip ring assembly and cable entrance from hosedown or corrosion
- Optional pivot base allows 340° rotation of reel and increases range of cable to nearly any direction



HBL501242W with HBL16PB

Heavy Duty Industrial Weatherproof Reels*

Description		Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
14" yellow weatherproof reel		15	600	50 (15.2)	14/3 SOW-A	55 (24.9)	HBL501431W
16" weatherproof reel	yellow housing white housing	20	600	50 (15.2)	12/3 SOW-A	80 (36.3)	HBL501232W HBL501232WM1
16" yellow weatherproof reel		16	600	50 (15.2)	12/4 SOW-A	86 (39.0)	HBL501242W
16" weatherproof reel	yellow housing white housing	25	600	50 (15.2)	10/3 SOW-A	86 (39.0)	HBL501032W HBL501032WM1
16" yellow weatherproof reel		20	600	50 (15.2)	10/4 SOW-A	92 (41.7)	HBL501042W

Note: *All heavy duty industrial cord reels are supplied with wire leads and ¾" NPT hub feed. Power supply cable not supplied.

HBL501232WM1

HBL501242W with HBL16PB

Accessories

	Weight	
Description	Lbs. (kg)	Catalog Number
16" pivot base.	13 (5.9)	HBL16PB
Replacement stop.	.2 (.09)	HBLWPBS

Specifications

Listing/Certification UL 355 and CSA, C22.2 No. 308.

Environment Type 4X enclosure, CAN/CSA - C22.2 No. 308.

Dry, indoor and wet and damp outdoor non-hazardous location.

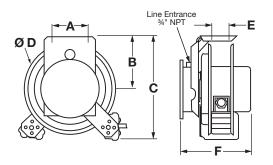


HBL16PB

Dimensions

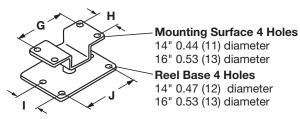
Difficition	113									
Inch (mm)	А	В	С	D	Е	F	G	Н	l l	J
14" Reel	6.50"	8.12"	16.25"	13.75"	3.00"	12.19"	3.00"	3.00"	3.00"	6.50"
	(165)	(206)	(413)	(349)	(76)	(310)	(76)	(76)	(76)	(165)
16" Reel	6.50"	9.12"	18.25"	15.75"	3.00"	14.19"	6.00"	6.00"	4.94"	6.50"
	(165)	(232)	(464)	(400)	(76)	(360)	(152)	(152)	(125)	(165)





Pivot Base

340° Pivot Base (Optional)



Note: Pivot base for use only with Weatherproof Cable Reel.



HBLIWC45123GF220HG

inREACH™ Medical Cord Reels



Description	Amps	Volts	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
White reel, white portable outlet box, GFCI module, and (2) 20A Hospital Grade receptacles	20A	125V AC	45 (13.7)	12/3 SJO	34.9 (15.8)	HBLIWC45123GF220HG
White reel, white portable outlet box, and (2) 20A Hospital Grade receptacles	20A	125V AC	45 (13.7)	12/3 SJO	34.4 (15.6)	HBLIWC45123R220HG
White reel and Hospital Grade connector HBL8319C	20A	125V AC	45 (13.7)	12/3 SJO	33.6 (15.2)	HBLIWC45123C20HG

Industrial Lighted Cord Reels, 45 Ft. (13.7m) - 16/3 AWG SJEO Cable



Cord End	Amps	Volts AC	Watts (Max)	Weight Lbs. (kg)	Catalog Number
LED hand lamp, with end light, white reel.	0.07	125	8 + 1	22.9 (10.4)	HBLI45163LED
Incandescent hand lamp, white reel.	0.8	125	100	22.9 (10.4)	HBLI45163IN

Note: Supplied with 5 ft. power supply cord with HBL5266C, 15A straight blade plug. For shorter cable lengths, modify length indication in catalog number (i.e. HBLIXX); 35ft & 25ft lengths are available. For yellow reel, add 'Y' suffix to catalog number.

InREACH™ Category 6 Data Reels



HBLI45163LED

HBLI50CAT6

Description	Cable Length ft (m)	Cable Type	Weight lbs. (kg)	Catalog Number
Black Data Reels with RJ45 Plugs	50 (15.2)	Cat 6	22.9 (10.4)	HBLI50CAT6
White Data Reels with RJ45 Plugs	50 (15.2)	Cat 6	22.9 (10.4)	HBLI50CAT6W

Accessories

Description	Amps	Volts AC	Watts (Max)	Weight Lbs. (kg)	Catalog Number
Replacement stop.	_	_	_	.2 (.09)	HBLI16BS
Replacement LED hand lamp.	0.07	120	8 + 1	1 (.5)	HBL16LEDR*
Replacement incandescent hand lamp.	0.8	125	100	1 (.5)	HBL16INR

Note: *cETLus Listed by INTERTEK.



Commercial Lighted Cord Reels



Description	Amps	Volts AC	Cable Lengtl Feet (m)	n Cable Type	Watts (Max)	Weight Lbs. (kg)	Catalog Number
White Reel with LED hand lamp, with flashlight end.	0.65	125	40 (12.2)	#18/2 SJTOW	8 + 1	8.2 (3.7)	HBLC40182LED
White Reel with non-metallic incandescent hand lamp and automatic shut off switch.	0.6	125	25 (7.6)	#16/3 SJT	75	9.0 (4.1)	HBLC25163AIN**
Yellow Reel with metallic incandescent hand lamp with receptacle.	13	125	25 (7.6)	#14/3 SJT	1,625	9.5 (4.3)	HBLC25143IN

Note: **Allows the electrical cord reel installation to conform to Article 511 of the National Electric Code concerning installation of electrical devices in commercial garages, repair facilities and storage locations by positioning the switch above the defined area where hazardous fumes may collect.



HBLC25143IN

HBLC40182LED

Dimensions in Inches (mm)



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Features and Benefits

Commercial Cord Reels

- Durable steel construction for commercial and general purpose applications
- Compact size, flexible mounting options for ceiling, wall or bench
- Automatic ratchet lock holds cord at desired length and provides easy, smooth retraction of cord
- Attached plug for power cord requires no wiring



Commercial Cord Reels

- Durable light weight non-metallic housing
- Removable bracket allows reel to be disengaged from mount providing portability
- 40 Ft. of #12/3 cord for greater current carrying capacity
- Triple tap outlet with supplemental over current protection

Commercial Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Watts (Max)	Weight Lbs. (kg)	Catalog Number
Black Reel with triple tap outlet.	15	125	40 (12.2)	#12/3 SJTW	1,875	13.8 (6.3)	HBLC40123TT
Black Reel with wire leads.	15	125	40 (12.2)	#12/3 SJTW	1,875	13.8 (6.3)	HBLC40123
White Reel with triple tap outlet and white cord.	10	125	30 (9.1)	#16/3 SJT	1,250	8.5 (3.9)	HBLC30163TT
White Reel with single connector and white cord.	15	125	20 (6.1)	#14/3 SJT	1,875	8.5 (3.9)	HBLC20143C
Yellow Reel with Hubbell HBL5969VBLK connector.	10	125	25 (7.6)	#16/3 SJT	1,250	8.5 (3.9)	HBLC25163C
Yellow Reel with wire leads.	10	125	25 (7.6)	#16/3 SJT	1,250	8.5 (3.9)	HBLC25163**

Note: Reels supplied with 2 ft. power supply cord and molded on straight blade 15A plug. **UL Listed only.



Listing/Certification UL 355.

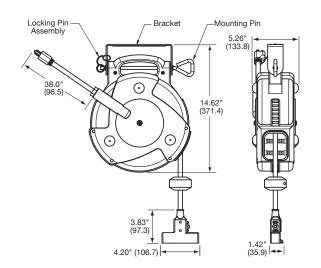
Environment Dry, indoor, non-hazardous locations.

Incandescent Lamp 75 watt max., auto switch, no receptacle; 100 watt max. bulb, with receptacle.

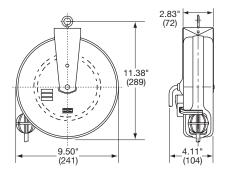
Fluorescent Lamp 10A/1200W max. with in-line receptacle; 13 watt without receptacle.

Dimensions

Triple Tap



All Other Commercial Reels excluding Triple Tap





HBLC40123TT



HBLC30163TT



HBLC20143C



HBLC25163C

Features and Benefits

Air/Water Hose Reels

- Constructed of rugged steel, baked polyester finish components
- Multi-position four roller guide and adjustable hose stop
- Spring rewind and ratchet lock
- Full flow shafts and swivels assure maximum product delivery



Static Discharge Reels

- Steel construction
- Compact design minimizes required installation space
- Available with steel or nylon coated steel cable
- Large grounding jaw clamp provides low resistant ground termination



HBLHR2535

Air/Water Hose Reels

	Cable Length	Max Pressure	Frame	Input Hose Fitting	O.D.	Weight	
Description	Feet (m)	Psi	Size	(NPTF)	Inch (mm)	Lbs. (kg)	Catalog Number
Low pressure 1/4" ID.	35 (10.7)	300	А	1/4	0.51 (13.0)	24 (10.9)	HBLHR2535
	50 (15.2)	300	В	1/4	0.51 (13.0)	26 (11.8)	HBLHR2550
Low pressure 3/8" ID.	25 (7.6)	300	А	3/8	0.65 (16.5)	23 (10.4)	HBLHR3825
,	50 (15.2)	300	С	3/8	0.65 (16.5)	36 (16.3)	HBLHR3850
	70 (21.3)	300	Ε	3/8	0.65 (16.5)	50 (22.7)	HBLHR3870
Low pressure ½" ID.	35 (10.7)	300	С	3/8	0.77 (19.6)	38 (17.2)	HBLHR5035
•	50 (15.2)	300	Е	3/8	0.77 (19.6)	44 (20.0)	HBLHR5050



HBL50SD

Static Discharge Reels

Description	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
Static discharge reel.	50 (15.2)	Single 3/32" Steel	12 (5.4)	HBL50SD
Static discharge reel.	50 (15.2)	Single 3/32" Steel Nylon Coated	13 (5.9)	HBL50SDN
Static discharge reel.	50 (15.2)*	Dual (Y) 3/32" Steel	13 (5.9)	HBL50YSD

Note: *35 ft. (10.6m) + Dual 15 ft. (4.5m) for "Y".

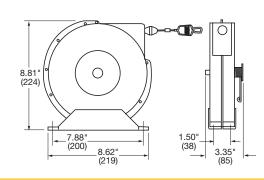
Dimensions

Frame size	Α	В	С	D	Е	F	G	Н	J	K	L	М
A	12.88	11.25	8.00	9.88	12.13	5.50	2.50	2.50	4.00	5.09	8.38	_
	(327)	(286)	(203)	(250)	(308)	(140)	(64)	(64)	(102)	(132)	(213)	
В	14.50	12.81	9.75	11.25	13.75	6.19	3.16	2.50	4.00	5.88	8.38	_
	(368)	(325)	(248)	(285)	(349)	(157)	(80)	(64)	(102)	(149)	(213)	
С	17.50	15.63	9.75	11.25	16.50	6.19	3.16	2.50	4.00	5.88	10.25	_
	(445)	(286)	(248)	(285)	(419)	(157)	(80)	(64)	(102)	(149)	(260)	
E	20.38	18.12	7.88	9.45	19.00	6.63	3.35	3.86	5.43	6.10	11.00	9.5
	(518)	(460)	(200)	(240)	(483)	(168)	(85)	(98)	(138)	(155)	(280)	(241)

Air/Water Hose Reels

| Mounting holes: 4x Ø 0.31 (A, B, C) 4x Ø 0.46 (E)

Static Discharge Reel



Features and Benefits



- Hand-windable spring tension adjustment knob is flush with the housing
- Push-button to easily release spring tension
- Rugged steel upper swivel hook with secondary safety cable provision



- Rugged steel construction with black polyester baked finish
- Reinforced hanging bracket with forged clevis for ceiling mounting
- Spring is permanently lubricated and adjustable



- Rugged die cast aluminum housing
- Both top and bottom hooks have spring-loaded safety latches
- Heavy duty steel wire rope

ERGO-1 Light Duty Tool Balancers

Description	Load Ib Min	os (kg) Max	Cable Length* Feet (m)	Reel Weight Lbs. (kg)	Catalog Number
Balancer for loads up to 5 lbs	1.5 (0.5)	, ,	6 (1.8) 6 (1.8) 6 (1.8)	1.3 (0.6) 1.3 (0.6) 1.5 (0.7)	HBLBD01 HBLBD03 HBLBD05

*Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook.

ERGO-2 Medium Duty Tool Balancers

Description	Ratchet Lock	Load Min	lbs (kg) Max	Cable Length* Feet (m)	Reel Weight Lbs. (kg)	Catalog Number
		3 (1.4)	7 (3.2)	8 (2.4)	6 (2.7)	HBLBG03
		5 (2.3)	10 (4.5)	8 (2.4)	6 (2.7)	HBLBG07
Balancers (constant pull reels)		8 (3.6)	12 (5.4)	8 (2.4)	7 (3.2)	HBLBG10
May be adjusted to balance	No	10 (4.5)	15 (6.8)	8 (2.4)	8 (3.6)	HBLBG15
through 6-18 in. (152 457mm) range.		16 (7.2)	23 (10.4)	8 (2.4)	8 (3.6)	HBLBG20
		16 (7.2)	23 (10.4)	8 (2.4)	8 (3.6)	HBLBG20SH**
		22 (9.9)	27 (12.2)	8 (2.4)	8 (3.6)	HBLBG25
		3 (1.4)	7 (3.2)	8 (2.4)	6 (2.7)	HBLBG03L
		5 (2.3)	10 (4.5)	8 (2.4)	6 (2.7)	HBLBG07L
Detro stare (retab at least) Detro at to al		8 (3.6)	12 (5.4)	8 (2.4)	7 (3.2)	HBLBG10L
Retractors (ratchet lock) Retract tool	Yes	10 (4.5)	15 (6.8)	8 (2.4)	8 (3.6)	HBLBG15L
upward when manually released		16 (7.2)	23 (10.4)	8 (2.4)	8 (3.6)	HBLBG20L
		16 (7.2)	23 (10.4)	8 (2.4)	8 (3.6)	HBLBG20LSH**
		22 (9.9)	27 (12.2)	8 (2.4)	8 (3.6)	HBLBG25L
T		3 (1.4)	7 (3.2)	15 (4.5)	8 (3.6)	HBLTQ1507
Torque reels*** (ratchet lock	Yes	5 (2.3)	10 (4.5)	15 (4.5)	10 (4.5)	HBLTQ1510
and longer cable)		10 (4.5)	15 (6.8)	15 (4.5)	12 (5.4)	HBLTQ1515

^{**}Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook. | **Includes HBLBGSH "Shock Stop." | ***Clevis mount. For rigid mount, add "R" suffix.

ERGO-3 Heavy Duty Tool Balancers

Description	Load I Min	lbs (kg) Max	Cable Length* Feet (m)	Reel Weight Lbs. (kg)	Catalog Number
Heavy-duty balancer for loads up to 308 lbs	1.1 (.05) 2.2 (1.0) 5.5 (2.5) 9.0 (4.1) 20 (9.1) 33 (15.0) 48 (21.8) 66 (30.0) 88 (40.0) 110 (50.0) 132 (60.0) 187 (85.0) 220 (100.0) 264 (120.0)	4.4 (2.0) 6.6 (3.0) 11 (5.0) 20 (9.1) 33 (15.0) 48 (21.8) 66 (30.0) 88 (40.0) 110 (50.0) 132 (60.0) 154 (70.0) 187 (85.0) 220 (100.0) 264 (120.0) 308 (140.0)	3.3 (1.0) 4.3 (1.3) 4.3 (1.3) 3.9 (1.2) 3.9 (1.2) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4)	2.2 (1.0) 2.8 (1.3) 3.3 (1.5) 13.4 (6.1) 13.4 (6.1) 22.6 (10.3) 27.0 (12.2) 27.0 (12.2) 31.4 (14.2) 31.4 (14.2) 58.4 (26.5) 56.0 (25.4) 60.0 (27.2) 61.0 (27.7)	HBLBH02 HBLBH03 HBLBH05 HBLBH15 HBLBH15 HBLBH30 HBLBH40 HBLBH50 HBLBH60 HBLBH70 HBLBH70 HBLBH100 HBLBH120 HBLBH120 HBLBH140

^{**}Load includes hose or cord and other attachements which must be supported by balancer. | **Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook.







Features and Benefits

Workstation Kits

- Adjustable and customizable to fit virtually any bench and task
- Superior rigidity and durability
- Kits include one WS30 and one WS50 rail

Accessories

- Most components which make up kits are available separately
- Can be installed easily on fixed or portable workstation kits





Description	Length ft (m)	Catalog Number
Straight rail bench top kit. Best mounted to butcher block tops. Straight rail table top kit. Table brackets predrilled to fit Equipto and Lyon steel tops.	' ') HBLWGB030560) HBLWKB030560

Power Bars

Description	Catalog Number
60 in. power bar with 60 in. mounting bar	HBLWPB505A

Manifold with Brackets

Description	Width ft (m)	# of Taps	Catalog Number
Mounts to vertical columns or top rails on workstations	5 (1.5)	5	HBLWMAN05C

Balancer Trolleys

Catalog Number
HBLWS50BTL HBLWS50BTS

Adjustable Cable Saddle

	Load	lbs (kg)		
Description	Min	Max	Catalog Number	
Hangs from balancer cable above tool to provide strain relief for electrical cable or air hose. Available in three sizes. Includes safety clip.	0.3 (7) 0.6 (15) 0.95 (24)	0.94 (23)	HBLCSF1 HBLCSF2 HBLCSF3	

"Shock Stop" Shock Absorber

Description	Catalog Number
Minimize cable damage often caused by overtensioning tool balancers. "Shock Stop" kit is easily installed. Can be used on ERGO-2 balancer. Kit includes spring, cable stops, all hardware.	HBLBGSH

Extension Cable

Description	Length ft (m)	Catalog Number
Nylon covered steel cable with safety clip. Extends the cable length of ERGO-1 and ERGO-2 Tool Balancers.	3 (0.9) 5 (1.5) 10 (3.0) 15 (4.6)	HBLOC03 HBLOC05 HBLOC10 HBLOC15

Safety Cable/Chain

Description	ror use with	Lengui it (iii)	Catalog Number
	HBLBD01-05	1 (0.3)	HBLSCBD1*
Strongly recommended, secondary steel cable or steel link chain. Prevents balancer from accidental fall. Balancers have extra holes for cable or chain.	HBLBG03-25 HBLBG03L-25L HBLTQ1057-15 HBLBH03-30	1 (0.3) 2 (0.6) 3 (0.9)	HBLSCBG1** HBLSCBG2** HBLSCBG3**
	HBLBH40-140	3 (0.9)	HBLSCBH3**











SECTION K

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Features and Benefits

AUTOGUARD® Self Test Technology 1st introduced by Hubbell Over 10 Years Ago! Self Test Monitoring Now Required in 2015 UL943 GFCI Safety Standad.

Hubbell Self Test GFCI Patented Technology

Hubbell AUTOGUARD® GFCI receptacles continually test and monitor for "people protection capability" automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. GFCI automonitoring is conducted continuously within every 30 seconds.

Also, clear visual indicators are provided on the device face representing power status, trip condition, ground fault condition and end of life status. In addition, for added safety, power will be denied to the receptacle face if reverse wiring of line and load was to occur.

UL (Underwriters Laboratory) now requires all manufacturers to provide self test monitoring capability effective June 29, 2015. When was the last time you tested a GFCI receptacle? Industry studies indicate only a very small number of installations are actually being tested as is recommended by the manufacturer and UL. This is the fundamental reason this revision has been incorporated into UL943 standard for 2015.

1. do 5001 11.001 por deba 11.10 0 20 10 0 dal 10 da 10 12 10 1					
Each GFR must automatically monitor GFCI functionality periodically	If the unit can no longer provide GFCI protection, it must comply with the following	Reverse line and load miswire function – (repeated)			
Automatically test within (5) seconds of power to line and load terminals; periodically means every (3) hours or less.	Deny Power (trip with the inability to reset); if unit does reset it is subject to the next auto-monitoring test cycle. Visual and/or audible indication that it no longer can provide protection.	If the line conductor is wired to the load terminal, power to the receptacle face will be denied. This includes both the initial installation and any subsequent reinstallations.			



















Features and Benefits

- Patented AUTOGUARD® Technology Continuous Self Test functionality and disconnects power to receptacle if critical components are damaged and GFCI protection is lost
- Federal Communications Commission Part 15 Compliant for radiated and conducted emissions
- Thermoplastic Nylon Housing High Impact and Ultraviolet Resistant construction provides resilience in harsh environments
- Clear Visual Indication of GFR Status LED Indicating Lights:
- Green LED (power to the device)
- Red LED (trip condition/ground fault condition)
- Flashing Red LED (end of life)
- Internal Back Wiring Clamp and Guide Pocket Quick and dependable termination
- Protection Against Line and Load Reversal No power to the face or downstream receptacles if device is miswired
- Installation Ease, Lower Labor Cost With auto-grounding clip, captive
 mounting screws and single tab "breakoff" ears and full "breakoff" for OEM
 raised covers
- Night Light Option Light sensor controls for automatic "ON/OFF" and custom dual lens for optimum light output











Features and Benefits

Extra Heavy Duty Industrial and Hospital Grade GFCI Receptacles **Tamper-Resistant and Weather Resistant**

- Corrosion resistant construction includes nickel plated brass mounting strap. line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester "V0" thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust







AUTOGUARD® Self Test GFCI Receptacles Tamper-Resistant and Weather Resistant



Description	Rating	Color	Industrial	Industrial Hospital Grade
Extra Heavy Duty Industrial Ground Fault Receptacle 15A 125V Feed Through Tamper and Weather Resistant	15A 125V NEMA 5-15R UL 5-HP	Black Brown Gray Ivory Red White	GFSG5262BLK GFSG5262 GFSG5262GRY GFSG5262I GFSG5262R GFSG5262W	GFSG8200BLK GFSG8200 GFSG8200GRY GFSG8200I GFSG8200R GFSG8200W
Extra Heavy Duty Industrial Ground Fault Receptacle 20A 125V Feed Through Tamper and Weather Resistant	20A 125V NEMA 5-20R UL CSA 1 HP	Black Brown Gray Ivory Red White	GFSG5362BLK GFSG5362 GFSG5362GRY GFSG5362I GFSG5362R GFSG5362W	GFSG8300BLK GFSG8300 GFSG8300GRY GFSG8300I GFSG8300R GFSG8300W

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color thermoplastic wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability. Note - yellow version comes with SS plate only See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

GFCI Receptacle Specifications per GFCI Products Listed (Pages K-3 to K-8)

Trip Level 4 to 6 mA.

Trip Time .025 second nominal.

Frequency 60 Hz.

120V AC +10% - 15% (102V to 132V). Voltage

15A/20A, 20A Feed-Thru. Amperage

Maximum Interrupting Capacity 10,000A.

Operating Temperature -35°C to 66°C or -30°F to 150°F.

Maximum Humidity

Dust Resistant Meets UL 943, section 6.20 for resistance to dust contaminants

Corrosion Resistant Meets UL 943, section 6.21 for resistance to corrosion

FCC Part 15 Class B Certified conformance to radiated and conducted emission testing per FCC Immunity to noise Exceed UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances Listings and Standards Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified.

Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73. Codes

NEC® is a registered trademark of the National Fire Protection Association (NFPA).









Features and Benefits

Heavy Duty Commercial Tamper-Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC® 517.18(C)
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Alarm version provides audible notification of a trip condition
- Thermoplastic wall plate included











Tamper-Resistant

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Combination Switch 15A 120V Switch	Standard 3-Pack Three Devices per Pack
DG	Black	GFRTR15BLK	GFTRST15BKNL	GFTRST15BKB	_	_
([[w]	Brown	GFRTR15	GFTRST15NL	GFTRST15B	_	_
	Gray	GFRTR15GRY	GFTRST15GYNL	GFTRST15GYB	_	_
15A 125V NEMA 5-15R	lvory	GFRTR15I	GFTRST15INL	GFTRST15IB	GFSPST15I	GFTRST15I3
UL CSA 0.5 HP	Light Almond	GFRTR15LA	GFTRST15LANL	GFTRST15LAB	GFSPST15LA	GFTRST15LA3
	Red	GFRTR15R	GFTRST15RNL	GFTRST15RB	_	_
	White	GFRTR15W	GFTRST15WNL	GFTRST15WB	GFSPST15W	GFTRST15W3
UG	Black	GFRTR20BLK	GFTRST20BKNL	GFTRST20BKB	<u> </u>	<u> </u>
([[bw)	Brown	GFRTR20	GFTRST20NL	GFTRST20B	_	_
	Gray	GFRTR20GRY	GFTRST20GYNL	GFTRST20GYB	_	-
20A 125V NEMA 5-20R	lvory	GFRTR20I	GFTRST20INL	GFTRST20IB	_	GFTRST20I3
UL CSA 1 HP	Light Almond	GFRTR20LA	GFTRST20LANL	GFTRST20LAB	_	GFTRST20LA3
	Red	GFRTR20R	GFTRST20RNL	GFTRST20RB	_	_
	White	GFRTR20W	GFTRST20WNL	GFTRST20WB	_	GFTRST20W3







Hospital Grade • **Tamper-Resistant**

Tampe		Night Light	
Rating	Color	Two LED Night Lights	Alarm
DG	Black	GFTRST82BKNL	GFTRST82BKB
([] [] w)	Brown	GFTRST82NL	GFTRST82B
	Gray	GFTRST82GYNL	GFTRST82GYB
15A 125V NEMA 5-15R	lvory	GFTRST82INL	GFTRST82IB
UL CSA 0.5 HP	Light Almond	GFTRST82LANL	GFTRST82LAB
	Red	GFTRST82RNL	GFTRST82RB
	White	GFTRST82WNL	GFTRST82WB
DG	Black	GFTRST83BKNL	GFTRST83BKB
([] [bw)	Brown	GFTRST83NL	GFTRST83B
	Gray	GFTRST83GYNL	GFTRST83GYB
20A 125V NEMA 5-20R	lvory	GFTRST83INL	GFTRST83IB
UL CSA 1 HP	Light Almond	GFTRST83LANL	GFTRST83LAB
	Red	GFTRST83RNL	GFTRST83RB
	White	GFTRST83WNL	GFTRST83WB

Product Dimensions

GF	CI Receptacle		
Α	3.27 (83.1)] E
В	2.75 (69.8)		
С	1.75 (44.5)		
D	1.47 (37.4)	A	
Ε	1.10 (27.9)	B	
			⊢ −D-►

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



Features and Benefits

Heavy Duty Commercial Standard GFCI Receptacles

- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output













Standard

		_					
Detina	Color	Chandond	Night Light	Alouse	Accombination LICA	Blank Face	Standard 3-Pack
Rating	Color	Standard	Two LED Night Lights	Alarm	Assembled in USA	Available in 20A Only	Three Devices per Pack
DG	Black	GFR15BLK	GFRST15BKNL	GFRST15BKB	GFRST15BKU	_	_
([] [] w)	Brown	GFR15	GFRST15NL	GFRST15B	GFRST15U	_	_
	Gray	GFR15GRY	GFRST15GYNL	GFRST15GYB	GFRST15GYU	_	_
15A 125V NEMA 5-15R	lvory	GFR15I	GFRST15INL	GFRST15IB	GFRST15IU	_	GFRST15I3
UL CSA 0.5 HP	Light Almond	GFR15LA	GFRST15LANL	GFRST15LAB	GFRST15LAU	_	GFRST15LA3
	Red	GFR15R	GFRST15RNL	GFRST15RB	GFRST15RU	_	_
	White	GFR15W	GFRST15WNL	GFRST15WB	GFRST15WU	_	GFRST15W3
DG	Black	GFR20BLK	GFRST20BKNL	GFRST20BKB	GFRST20BKU	GFBFST20BK	_
([] [bw)	Brown	GFR20	GFRST20NL	GFRST20B	GFRST20U	GFBFST20	_
	Gray	GFR20GRY	GFRST20GYNL	GFRST20GYB	GFRST20GYU	GFBFST20GY	_
20A 125V NEMA 5-20R	lvory	GFR20I	GFRST20INL	GFRST20IB	GFRST20IU	GFBFST20I	GFRST20I3
UL CSA 1 HP	Light Almond	GFR20LA	GFRST20LANL	GFRST20LAB	GFRST20LAU	GFBFST20LA	GFRST20LA3
	Red	GFR20R	GFRST20RNL	GFRST20RB	GFRST20RU	GFBFST20R	_
	White	GFR20W	GFRST20WNL	GFRST20WB	GFRST20WU	GFBFST20W	GFRST20W3







Standard SNAPConnect®

Rating	Color	Standard	Assembled in USA
- 10.111.9			
DG	Black	SNAPGF15BLK	GFRST15SNAPBKNA
([] []w)	Brown	SNAPGF15	GFRST15SNAPNA
	Gray	SNAPGF15GRY	GFRST15SNAPGYNA
15A 125V NEMA 5-15R	lvory	SNAPGF15I	GFRST15SNAPINA
UL CSA 0.5 HP	Light Almond	SNAPGF15LA	GFRST15SNAPLANA
	Red	SNAPGF15R	GFRST15SNAPRNA
	White	SNAPGF15W	GFRST15SNAPWNA
DG	Black	SNAPGF20BLK	GFRST20SNAPBKNA
([] [bw)	Brown	SNAPGF20	GFRST20SNAPNA
	Gray	SNAPGF20GRY	GFRST20SNAPGYNA
20A 125V NEMA 5-20R	lvory	SNAPGF20I	GFRST20SNAPINA
UL CSA 1 HP	Light Almond	SNAPGF20LA	GFRST20SNAPLANA
	Red	SNAPGF20R	GFRST20SNAPRNA
	White	SNAPGF20W	GFRST20SNAPWNA

SNAPConnect® Right Angle Pigtailed Terminal

Description	Туре	Catalog Number
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	Solid Stranded	SNAP1RA SNAP2RA
Same as above. Assembled in USA.	Solid Stranded	SNAP1RNA SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2; Polycarbonate housing material with WAGO terminals.	Solid Stranded	SNAP1RAM2 SNAP2RAM2
Same as above. Assembled in USA.	Solid Stranded	SNAP1RNAM2 SNAP2RNAM2

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.







Features and Benefits

Heavy Duty Commercial Standard Hospital Grade GFCI Receptacles

- Fed. Spec UL Listed, Hospital Grade
- Green power indicator and red trip indicator
- Patented AUTOGUARD® self test technology
- Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple











Hospital Grade •

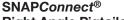
Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Assembled in USA
OG	Black	GFR82BLK	GFRST82BKNL	GFRST82BKB	GFRST82BKU
([] [] w)	Brown	GFR82	GFRST82NL	GFRST82B	GFRST82U
	Gray	GFR82GRY	GFRST82GYNL	GFRST82GYB	GFRST82GYU
15A 125V NEMA 5-15R	lvory	GFR82I	GFRST82INL	GFRST82IB	GFRST82IU
UL CSA 0.5 HP	Light Almond	GFR82LA	GFRST82LANL	GFRST82LAB	GFRST82LAU
	Red	GFR82R	GFRST82RNL	GFRST82RB	GFRST82RU
	White	GFR82W	GFRST82WNL	GFRST82WB	GFRST82WU
DG	Black	GFR83BLK	GFRST83BKNL	GFRST83BKB	GFRST83BKU
([] [bw)	Brown	GFR83	GFRST83NL	GFRST83B	GFRST83U
	Gray	GFR83GRY	GFRST83GYNL	GFRST83GYB	GFRST83GYU
20A 125V NEMA 5-20R	lvory	GFR83I	GFRST83INL	GFRST83IB	GFRST83IU
UL CSA 1 HP	Light Almond	GFR83LA	GFRST83LANL	GFRST83LAB	GFRST83LAU
	Red	GFR83R	GFRST83RNL	GFRST83RB	GFRST83RU
	White	GFR83W	GFRST83WNL	GFRST83WB	GFRST83WU





Hospital Grade • SNAPConnect®

SIVAP	SNAPCOIIIECL				
Rating	Color	Standard			
DG	Black	-			
([] [] w)	Brown	_			
	Gray	_			
15A 125V NEMA 5-15R	lvory	SNAPGF82I			
UL CSA 0.5 HP	Light Almond	SNAPGF82LA			
	Red	SNAPGF82R			
	White	SNAPGF82W			
DG	Black	SNAPGF83BLK			
([] [bw)	Brown	SNAPGF83			
	Gray	SNAPGF83GRY			
20A 125V NEMA 5-20R	lvory	SNAPGF83I			
UL CSA 1 HP	Light Almond	SNAPGF83LA			
	Red	SNAPGF83R			
	White	SNAPGF83W			



Right Angle Pigtailed Terminal

Description	Туре	Catalog Number
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	Solid Stranded	SNAP1RA SNAP2RA
Same as above. Assembled in USA.	Solid Stranded	SNAP1RNA SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2; Polycarbonate housing material with WAGO terminals.	Solid Stranded	SNAP1RAM2 SNAP2RAM2
Same as above. Assembled in USA.	Solid Stranded	SNAP1RNAM2 SNAP2RNAM2

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.















Heavy Duty Commercial Tamper and Weather Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Meets NEC® requirements for TR (406.12) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Patented AUTOGUARD® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired















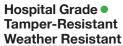




Rating	Color	Standard	Assembled in USA	Isolated Ground	SNAPConnect®	Right Angle P	igtailed Terminal
□G □G	Black	GFRTW15BLK	GFTWRST15BKU	GFTWRST15BKIG	SNAPGFTW15BLK	Clear right a	angle terminal
([] []w)	Brown	GFRTW15	GFTWRST15U	GFTWRST15IG	SNAPGFTW15	with 6 inch l	eads, 600V,
	Gray	GFRTW15GRY	GFTWRST15GYU	GFTWRST15GYIG	SNAPGFTW15GRY	#12 AWG Th	HHN/THWN-2,
15A 125V NEMA 5-15R	lvory	GFRTW15I	GFTWRST15IU	GFTWRST15IIG	SNAPGFTW15I	Polycarbona	ate housing
UL CSA 0.5 HP	Light Almond	GFRTW15LA	GFTWRST15LAU	GFTWRST15LAIG	SNAPGFTW15LA	material.	
	Orange	_	_	GFTWRST15ORIG	_		
	Red	GFRTW15R	GFTWRST15RU	GFTWRST15RIG	SNAPGFTW15R	Solid	SNAP1RA
	White	GFRTW15W	GFTWRST15WU	GFTWRST15WIG	SNAPGFTW15W	Stranded	SNAP2RA
OG	Black	GFRTW20BLK	GFTWRST20BKU	GFTWRST20BKIG	SNAPGFTW20BLK	Same as ab	ove.
([] [bw)	Brown	GFRTW20	GFTWRST20U	GFTWRST20IG	SNAPGFTW20	Assembled	in USA.
	Gray	GFRTW20GR	GFTWRST20GYU	GFTWRST20GYIG	SNAPGFTW20GRY		
20A 125V NEMA 5-20R	lvory	GFRTW20I	GFTWRST20IU	GFTWRST20IIG	SNAPGFTW20I		
UL CSA 1 HP	Light Almond	GFRTW20LA	GFTWRST20LAU	GFTWRST20LAIG	SNAPGFTW20LA		
	Orange	_	_	GFTWRST20ORIG	_		
	Red	GFRTW20R	GFTWRST20RU	GFTWRST20RIG	SNAPGFTW20R	Solid	SNAP1RNA
	White	GFRTW20W	GFTWRST20WU	GFTWRST20WIG	SNAPGFTW20W	Stranded	SNAP2RNA

















Rating	Color	Standard	Assembled in USA	Isolated Ground	SNAPConnect®	Right Angle P	igtailed Terminal
□G □G	Black	GFRTW82BLK	GFTWRST82BKU	GFTWRST82BKIG	_	Clear right a	ingle terminal
([] []w)	Brown	GFRTW82	GFTWRST82U	GFTWRST82IG	_	with 6 inch l	eads, 600V,
	Gray	GFRTW82GRY	GFTWRST82GYU	GFTWRST82GYIG	SNAPGFTW82GRY	#12 AWG TH	HHN/THWN-2,
15A 125V NEMA 5-15R	lvory	GFRTW82I	GFTWRST82IU	GFTWRST82IIG	SNAPGFTW82I	Polycarbona	ate housing
UL CSA 0.5 HP	Light Almond	GFRTW82LA	GFTWRST82LAU	GFTWRST82LAIG	SNAPGFTW82LA	material.	
	Orange	_	_	GFTWRST82ORIG	_		
	Red	GFRTW82R	GFTWRST82RU	GFTWRST82RIG	SNAPGFTW82R	Solid	SNAP1RA
	White	GFRTW82W	GFTWRST82WU	GFTWRST82WIG	SNAPGFTW82W	Stranded	SNAP2RA
DG	Black	GFRTW83BLK	GFTWRST83BKU	GFTWRST83BKIG	SNAPGFTW83BLK	Same as ab	ove.
([[bw)	Brown	GFRTW83	GFTWRST83U	GFTWRST83IG	SNAPGFTW83	Assembled	in USA.
	Gray	GFRTW83GRY	GFTWRST83GYU	GFTWRST83GYIG	SNAPGFTW83GRY		
20A 125V NEMA 5-20R	Ivory	GFRTW83I	GFTWRST83IU	GFTWRST83IIG	SNAPGFTW83I		
UL CSA 1 HP	Light Almond	GFRTW83LA	GFTWRST83LAU	GFTWRST83LAIG	SNAPGFTW83LA		
	Orange	_	_	GFTWRST830RIG	_		
	Red	GFRTW83R	GFTWRST83RU	GFTWRST83RIG	SNAPGFTW83R	Solid	SNAP1RNA
	White	GFRTW83W	GFTWRST83WU	GFTWRST83WIG	SNAPGFTW83W	Stranded	SNAP2RNA

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.







Meets UL Standard 943

Class A GFCI

Features and Benefits

Heavy Duty Commercial Weather Resistant GFCI Receptacles

- Patented AUTOGUARD® self test technology
- Meets NEC® requirements for weather resistance (406.9), UV and corrosion resistance for harsh and damp applications
- Protects against line and load reversal, no power to the face or downstream if device is miswired







Weather Resistant

Rating	Color	Standard	Rati
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black Brown Gray Ivory Light Almond Red White	GFRWR15BLK GFRWR15 GFRWR15GRY GFRWR15I GFRWR15LA GFRWR15R GFRWR15W	20A 1 NEMA UL C



Color	
Black	
Brown	
Gray	
lvory	
Light Almond	
Red	
White	

Standard **GFRWR20BLK GFRWR20 GFRWR20GRY** GFRWR20I **GFRWR20LA GFRWR20R GFRWR20W**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Features and Benefits

UL 508 1.5HP GFCI Receptacles

Hubbell AUTOGUARD® GFR products continually test and monitor for "people protection" capability" automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. Also, visual indicators are clearly provided on the device face representing "power status", "trip condition", "ground fault condition" and "end of life status".

- Blank face 1.5 horsepower motor control rated switch UL508 listed. Also listed to Underwriters Laboratories standard 943 for Class A GFCI
- If wired incorrectly there will be no power to the face or to downstream receptacles for added safety. (2) LED indicators provide immediate status of power, trip condition and ability to provide GFCI protection
- In addition to providing Class A GFCI protection, the HP series includes a 1.5 HP rating for motor control switching per UL508

UL 508 1.5HP GFCI

Rating	Color	Standard
20A 125V 1.5 HP	Black Brown Gray Ivory Light Almond Red White	GFBFHP20BK GFBFHP20 GFBFHP20GY GFBFHP20I GFBFHP20LA GFBFHP20R GFBFHP20W

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.





GFBFHP20GY

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Features and Benefits

Meets UL Standard 943
Class A GFCI

Heavy Duty SNAPConnect® Commercial Grade GFCI Receptacles

Requires minimal box space

- Compact size
- Clean finished look

Installation ease

• Self-grounding staple

Audible SNAP, indicates solid connection

- Secure, easy grip latch
- Inspection of power contacts
- Clear terminal housing
- No exposed metal



No Special Tester Required .085 inch keyhole accepts the probe points found on the most common voltage testers and digital multi-meters



Labor Savings Feature!



Save one Minute!
Rough-in the SNAPConnect® terminal instead of pigtails.



Save Over Three Minutes!
Remove protective packaging and SNAPConnect® device to the circuit.



Complete Trim-Out in Less Than One Minute!
Secure mounting screws, attach wallplate, job complete.









Arc Fault AFCI Receptacles

- Meets new 2017 National Electric Code for AFCI Protection
- Qualified to Federal Specification Listing WC596
- Meets or exceeds UL requirements for tripping time on series and parallel arcs
- Tamper-Resistant and self grounding construction are standard features
- Green power ON LED indicator
- Automatically tests the AFCI each time the reset button is pressed in place
- No reset when tested if AFCI functionality is compromised







Arc Fault AFCI Receptacles

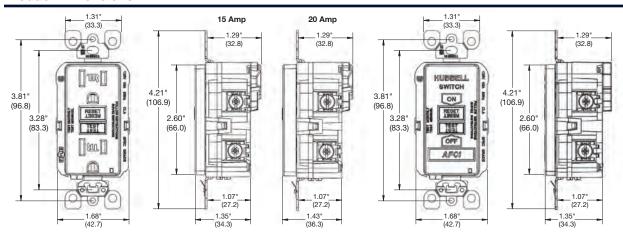
AFCI neceptacies								
Rating	Color	Standard	Rating	Color	Standard	Blank Face		
	Black	AFR15TRBK	OG	Black	AFR20TRBK	_		
([] []w)	Brown	AFR15TR	([[bw)	Brown	AFR20TR	_		
	Gray	AFR15TRGY		Gray	AFR20TRGY	_		
15A 125V NEMA 5-15R UL CSA	lvory	AFR15TRI	20A 125V NEMA 5-20R UL CSA	lvory	AFR20TRI	AFR20BFI		
0.5 HP	Light Almond	AFR15TRLA	1 HP	Light Almond	AFR20TRLA	AFR20BFW		
	White	AFR15TRW		White	AFR20TRW	_		

Specifications

Ratings		Certifications		Construction	
Amperage	15 Amp/20 Amp	UL1699A	E366570	Termination	Back and Side
Feed-thru Voltage	20 Amp Protection 120V AC (+10% to15%)	UL498 UL Fed Spec	Receptacle WC-596	Terminal Grounding	#14-10 AWG Self-Grounding Clip
voltago	(102V to 132V)	CSA Standard	C22.2 No. 42	Indicators	Power & Rev Wire
Horsepower	(1) @ Rated Voltage	CSA Tech	Letter No. M-02A	Configuration	2 Pole, 3 Wire
Flammability	Rated V2 per UL 94	NEMA	WD-6	NEMĂ	5-15R, 5-20R
Operating Temperature	(-35°C to 66°C) or (-30°F to 150°F)		Resistant		
remperature	(-30 F to 130 F)		06.12; 210.52 – All 15 and 2		
,	,		listed Tamper-Resistant for d		

Note: The Hubbell "AFR" series meets all requirements for an outlet branch-circuit type AFCI; protects branch circuit wiring and extensions to branches such including appliances and cord sets. All GFCI receptacles are furnished with a matching color thermoplastic wallplate.

Product Dimensions



Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).







Features and Benefits

Dual Function AFCI/GFCI Receptacles

- Cost effective solution conveniently located within living space; clearly visible, easily resettable if necessary
- Dual functionality, interrupts power if a ground fault or arc fault is detected
- Safety feature prevents device from resetting if it can no longer provide protection or is reverse wired
- Intuitive visual indication is provided for power (LED green ON); trip condition (LED green OFF)
- Clear indication if unit can no longer provide protection (LED red flashes) and will not reset





Dual Function AFCI/GFCI Receptacles

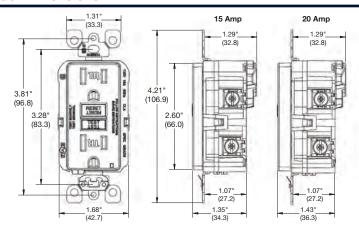
Rating	Color	Standard	Rating	Color	Standard
15A 125V NEMA 5-15R UL CSA 0.5 HP	Black Brown Gray Ivory Light Almond White	AFGF15TRBK AFGF15TR AFGF15TRGY AFGF15TRI AFGF15TRLA AFGF15TRW	20A 125V NEMA 5-20R UL CSA 1 HP	Black Brown Gray Ivory Light Almond White	AFGF20TRBK AFGF20TR AFGF20TRGY AFGF20TRI AFGF20TRLA AFGF20TRW

Specifications

Ratings		Certifications	Certifications Construc		ion	
Amperage Feed-thru Voltage	15 Amp/20 Amp 20 Amp Protection 120V AC (+10% to -15%) (102V to 132V)	UL1699A UL498 UL943 UL Fed Spec	E485931 Receptacle GFCI WC-596	Termination Terminal Grounding Indicators	Back and Side #14-10 AWG Autoground Clip Power, Trip, End of Life	
Horsepower Flammability Operating Temperature	(1) @ 120V AC Rated V2 per UL 94 (-35°C to 66°C) or (-30°F to 150°F)	CSA Standard CSA Tech NEMA	C22.2 No. 42 Letter No. M-02A WD-6	Configuration NEMA	2 Pole, 3 Wire 5-15R, 5-20R	

Note: All Hubbell "AFGF" series GFCI receptacles are furnished with a matching color thermoplastic wallplate.

Product Dimensions



Typical Applications Include:

NEMA Type 4X

Power Generators, Spas, High Pressure Washers, Power Centers, Refineries and Mobile Power.









The sensing module functions interdependently with a magnetic branch circuit breaker. The module monitors the electrical circuit by use of an external differential current transformer. No direct load is present at the module. In the event of a ground fault, the load is interrupted by way of the hydraulic magnetic circuit breaker utilizing a shunt trip coil.

This line of Sensing Modules is rated from 1 to 50 Amps and circuit current-carrying conductors from 1 to 3 poles.

Product is available with an automatic or manual "safe start" reset feature. The enclosure, when mounted with the supplied gasket, achieves a UL NEMA Type 4X Rating. This module and breaker system is ideal for portable generator integration protecting all outlets on a generator. This system meets the proposed requirements for generators Underwriters Laboratory Standard 2201. UL/cUL 943 Listed, Class A 4-6mA trip level and UL1053 Compliant.



GFSMST120A

GFCI Sensing Module, 50A Maximum

Description	Catalog Number
120V AC Sensing Module Auto	GFSMST120A

GFCI Sensing Module Circuit Breakers

Catalog Number Configurator



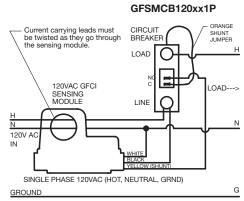
GFSMCB120401	P
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Ground Fault Sensing Module Circuit Breaker	A/C Voltage	Amperage	Number of Poles	Sensing Module Required
	120	1 to 50	1	
GFSMCB	120		2	GFSMST120A
GESIVICE	120/240		2	GFSWIST 120A
	120/240		3	

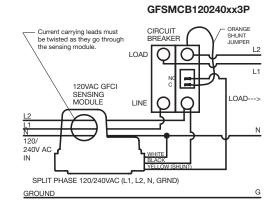
Example Catalog Numbers: **GFSMCB120401P:** 120V, 40A, 1 Pole **GFSMCB120240203P:** 120/240V, 20A, 3 Pole

Note: Voltage tolerance +10% / -15%. Consult factory for other available configurations.

Wiring Schematics



Dimensions in Inches (mm)





Circuit Guard® Wired On Industrial Portable GFCI Plug

Description	Rating	Catalog Number
GFCI plug, manual set, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	GFPST5266C
GFCI plug, manual set, yellow.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	GFPST5266CY
GFCI plug with 1 foot line cord, manual set, yellow, with connector body.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P, NEMA 5-15R.	GFPST1C



GFPST5266C

Circuit Guard® Wired On Commercial Portable GFCI Plug

Description	Rating	Catalog Number
GFCI plug, automatic set field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	GFPST515A
GFCI plug, manual set field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P.	GFPST515M



GFPST1C

Specifications

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
_	0.011

Frequency 60 Hz.

Voltage 120V AC +10% – 15%. Incorporates no voltage release feature.

Amperage 15A.

Maximum Interrupting Capacity 2,000A.

Operating Temperature -35°C to 66°C or -30°F to 150°F.

Maximum Humidity 95%.

Housing High-impact, UV stabilized material. UL94V-0 flammability classification.

Input NEMA 5-15P.

Cord Range 16/3 – 12/3 Type SJ, 18/3 – 12/3 Type S.

Cord Type: Length (GFP1C) 14/3 Type SJTW-A (UL), SJTW (CSA); 1 foot; NEMA 5-15R.

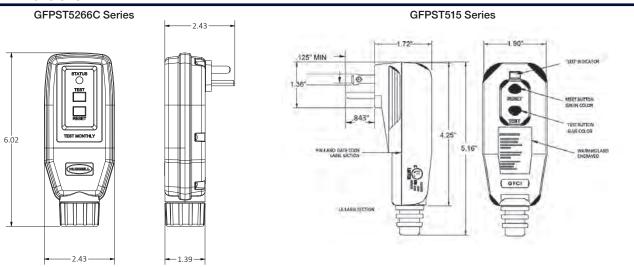
Power "ON" Indication Indicator light.

Listings Meets UL943 Class A Listed, CSA Certified.
Codes Meets all NEC® and CEC requirements.



GFPST515A

Product Dimensions



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Features and Benefits

Circuit Guard® Portable GFCI Line Cords

Portable GFCI Line Cords provide ground fault protection both indoors and out. They interrupt electrical power for equipment loads when leakage to ground is 4-6 milliamperes. Available in lengths of 18" (45.7 c. m), 6" (182.9 c.m), and 25" (762 c.m), A 15" (457.2 c.m) OEM version with stripped leads is also available. They are offered with an Automatic Set or Manual Set feature to meet your application.



Housing Design

- High impact UV stabilized housing resists dust, sunlight and chemicals for long life
- Watertight GFCI housing for use in harsh environments
- Available in Automatic Set with yellow base or Manual Set with black base



Molded Strain Relief

• Heavy-duty molded strain relief prevents conductor strain and resulting failure



Safety

- One-piece flush sealed keypads for greater reliability and resistance to damage due to impact
- Bright fault indicator light provides fault confirmation from a distance



Plug and Connector

- Heavy-duty molded plug and connector for reliable connection
- Solid (not formed) plug blades are crimped and soldered for a better connection and longer life

Manual Set

20A 120V AC



Industrial Grade, Portable GFCI Line Cords

Description



GFPST4C15A



18" (45.7 cm) GFCI line cord.	GFPST4C15A	GFPST4C15M
6' (182.9 cm) GFCI line cord.	GFPST6C15A	GFPST6C15M
25' (762.0 cm) GFCI line cord.	GFPST25C15A	GFPST25C15M
15' (457.2 cm) GFCI power supply cord with stripped leads.	GFPSTOEMA*	GFPSTOEMM*
50' (1524.0 cm) GFCI power supply with Elastogrip® watertight straight blade.	-	GFPST50C15WM
100' (3048.0 cm) GFCI power supply with Elastogrip® watertight straight blade.	-	GFPST100C15WM
Note: *Total langth in 15! 4.5" (469.6 cm) including lands; group 4.5" (114.2)	block and white 2 E" (99 O) Ed	ach are stripped 275" (0.5)

Note: *Total length is 15' 4.5" (468.6 cm) including leads: green 4.5" (114.3), black and white 3.5" (88.9). Each pre-stripped .375" (9.5).



GFPST25C15A

Circuit Guard® Portable GFCI Line Cords, 20A 120V AC

Circuit Guard® Portable GFCI Line Cords, 15A 120V AC

Description	Automatic Set	Manual Set
3' (91.4 cm) GFCI line cord.	-	GFPST3C20M



GFPST6C15M

Circuit Guard® Manual Set **Twist-Lock Portable GFCI Line Cords**

Description	Catalog Number	
3' (91.4 cm) GFCI line cord.	GFPST3C15MTL	GFPST3C20MTL

Automatic Set GFCI

3'

Automatically energizes or sets the GFCI for use upon plug in and after the loss of primary power (power failure or unplugging the device). After a ground fault condition, unit must be reset by pushing the reset button. This feature eliminates the need for unit to be reset each time it is plugged in or powered up. Ideal for equipment intended for continuous use where a temporary power failure is likely and undesirable. Examples are pumps, pressure washers, portable signs or lighting and engine heaters.

Manual Set GFCI

15A 120V AC

Automatic Set

Requires the GFCI to be manually set for use by pressing the reset button upon plug in and after loss of primary power (power failure or unplugging the device). Must be manually reset after a ground fault condition. Ideal for applications where operator injury might occur if equipment were to restart after a power failure. Typical equipment includes power drills, saws, lathes and grinders.



GFPSTOEMM

	Straight Blade	Twist-Lock®
Input	15A NEMA 5-15P, 20A NEMA 5-20P.	15A NEMA L5-15P HBL47CM20C, 20A NEMA L5-20P HBL23CM11.
Output	15A NEMA 5-15R (except GFPOEMM), 20A NEMA 5-20R.	15A NEMA L5-15R HBL47CM29C, 20A NEMA L5-20R HBL23CM13.

Specifications

GFPST3C20MTL

Portable GFCI Line Cords

Trip Level 4 to 6 mA. Trip Time .025 sec. nominal. Frequency 60 Hz.

120V AC +10% - 15%. Incorporates no voltage release feature. Voltage

Amperage 15A/20A. Maximum Interrupting Capacity 2000A.

Operating Temperature -35°C to 66°C or -30°F to 150°F.

Maximum Humidity

High-impact, UV stabilized PVC. UL 94V-0 flammability classification. Housing Meets UL and CSA watertight requirements. Adhesive bonded. Cord Type 14/3 SJTW-A (UL), SJTW (CSA). Except GFP3C20M, GFP3C15MTL and

GFP3C20MTL are 12/3 SJTW. Visual Fault Indication Light On Indicates fault.

Meets UL943 Class A, UL File E41978, CSA Certified. Listing and Standards Codes Meets all NEC® and CEC requirements.

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Commercial Grade, Portable GFCI Line Cords

Circuit Guard® Portable GFCI Single Outlet, 15A 120V AC - 12/3 SJEOW

Description	Automatic Set	Manual Set
2' (60.9 cm) GFCI line cord.	GFPST2CA	GFPST2CM
25' (762.0 cm) GFCI line cord.	GFPST25CA	GFPST25CM



Circuit Guard® Portable GFCI Triple Tap Outlet, 15A 120V AC - 12/3 SJEOW

Description	Automatic Set	Manual Set
2' (60.9 cm) GFCI line cord.	GFPST2TTA	GFPST2TTM
25' (762.0 cm) GFCI line cord.	GFPST25TTA	GFPST25TTM



Circuit Guard® OEM Equipment Integrated Cord Sets, 15A 120V AC - 14/3 SJEOW

Description	Automatic Set	Manual Set
15' (457.2 cm) GFCI with flying leads.	GFPST15LA	GFPST15LM
35' (1066.8 cm) GFCI with flying leads.	GFPST35LA	GFPST35LM

GFPST2TTA

15A GFCI In Line GFCI, Single and Triple Tap, 15A 120V AC - 12/3 SJTW

Description	Automatic Set	Manual Set
2' (60.9 cm), 5-15 single tap.	GFPILST15125A	GFPILST15125M
2' (60.9 cm), 5-15 triple tap.	GFPILST15125TRIA	GFPILST15125TRIM



20A GFCI In Line GFCI, Locking, 20A 120V AC - 12/3 SJTW - Type 4X, IP69, and IP69K

Description	Automatic Set	Manual Set
2' (60.9 cm), L5-20 locking.	GFPILST20125LKA	GFPILST20125LKM



20A GFCI In Line GFCI, Locking, 20A 250V AC - 12/3 SJTW - Type 4X, IP69, and IP69K

Description	Automatic Set	Manual Set
2' (60.9 cm), L6-20 locking.	GFPILST20250LKA	GFPILST20250LKM

GFPILST15125TRIM

20A GFCI Field-Wired In Line 120V AC

Description	Automatic Set	Manual Set
20A Field Wired In Line	-	GFP20FWM

Specifications

Portable GFCI Line Cords

Visual Fault Indication Light On

Listing and Standards

Trip Level	4 to 6 mA.
Trip Time	.025 sec. nominal.
Eroguepov	60 H -

Frequency 60 Hz.

Voltage 120/250V AC +10% - 15%. Incorporates no voltage release feature.

Amperage 15A/20A. Maximum Interrupting Capacity 2000A.

Operating Temperature -35°C to 66°C or -30°F to 150°F.

Maximum Humidity 95%.

Housing High-impact, UV stabilized PVC. UL 94V-0 flammability classification.

Meets UL and CSA watertight requirements. Adhesive bonded.

Indicates fault.

Meets UL943 Class A, UL File E41978, CSA Certified.

Meets all NEC® and CEC requirements.



GFPILST20125LKA



GFP20FWM

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Codes









GFP15M

Multiple Outlet Portable GFCI

Description	Rating	Receptacles	Plug	Catalog Number
4 outlet, manual set, yellow.	15A, 120V AC	(2) Duplex 5-15R	NEMA 5-15P	GFP15M
4 outlet, manual set, yellow.	20A, 120V AC	(2) Duplex 5-20R	NEMA 5-20P	GFP20M



GFMST20

GFCI Module - UL Type 3R Rated

Description	Rating	Catalog Number
GFCI module, manual set, yellow.	20A, 120V AC, 60 Hz	GFMST20
GFCI module, auto set, yellow.	20A, 120V AC, 60 Hz	GFMST20A



GFCI Tester

Description	Rating	Catalog Number
Ground fault tester.	120V AC	GFT2G

- Designed to measure the trip level of portable or "wired-in" GFCI's in a range of 2-7mA. Leakage level can be adjusted from 2-7mA.
- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.

Specifications

<u> </u>	GFP15M / GFP20M	GFMST20 / GFMST20A
Trip Level	4 to 6 mA.	4 to 6 mA.
Trip Time	.025 sec. nominal.	.025 sec. nominal.
Frequency	60 Hz.	60 Hz.
Voltage	120V AC +10% - 15%.	120V AC +10% - 15%.
	No voltage release feature.	No voltage release feature.
Maximum Interrupting Capacity	5000A.	5000A.
Current	15A / 20A.	20A / 20A Feed-through.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.	-35°C to 66°C or -30°F to 150°F.
Housing Rating	High-impact, yellow Valox®	High-impact, UV stabilized, rigid PVC.
	with protective lift covers.	UL 94V-0 flammability classification.
		UL Type 3R Rated.
Input	5-15P, 15A / 5-20P, 20A. IP21 Suitability.	#12 AWG stranded conductors (black/white/green).
Output	5-15R(4), 15A / 5-20R(4), 20A.	#12 AWG stranded conductors (red/gray).
Power Supply Cord	6' (182.9 cm) STOW-A (STW FT2 CSA).	N/A.
Mounting Screws	N/A.	Self-tapping, combination, #6-32.
Power "ON" Indication	LED indicator light.	LED indicator light.
Agency Approvals	UL Listed, UL498 for receptacles.	UL Listed, CSA Certified.
	Meets UL943 Class A for GFCI's.	Meets UL943 Class A for GFCI's.
Codes	Meets all NEC® and CEC requirements.	Meets all NEC® and CEC requirements.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company. NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Applications

Power Generators Submersible Pumps Textile



Agricultural Equipment Cement Cutting Equipment Food Processing



Production Assembly Equipment Spa and Hot Tubs . Vending Equipment



Extra Heavy Duty Industrial Circuit Guard® Hard Wired 30A GFCI - UL Type 4X Rated

Description	Voltage	Alarm	Automatic Set	Manual Set
Hard wired, manual set	120V AC	None	GFHW13105	GFHW13005
and automatic set GFCIs.	120V AC	Audible	GFHW13115	GFHW13015
	240V AC	None	GFHW23105	GFHW23005
	240V AC	Audible	GFHW23115	GFHW23015
	120/240V AC	Audible	GFHW33115	GFHW33015
	3Ø 250V AC	None	GFHW531	GFHW530
	3Ø 120/208V AC	None	GFHW431	GFHW430
	3Ø 208V AC	None	GFHW83105	-



Electrical Ratings

Rated Voltage 120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC.

Operating Voltage Range 85% to 110%.

Up to 30A or device rating. Current

Frequency 60 Hz. Trip Level 4-6 mA. Phase Single. Response Time .025 sec. Max.

Dielectric Withstand 1500 VRMS across contact, 4000 VRMS between conductors and enclosure. Surge Withstand 6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with

40% decay per cycle.

Let Go Line Voltage 60% of rated. Grounded Neutral Detection 6 Ohms or less.

Power Up Manual or automatic reset.

Environmental Ratings

Housing Rating UL Type 4X.

Construction Industrial grade design. Class A GFCI. Type

-35°C to 66°C, -30°F to 150°F. Operating Temperature

Leakage Current @ 93% Humidity

Features

Life (Endurance) 10,000 cycles (6000 with load and 4000 without load). Open neutral protection Trips upon loss of neutral. **Grounded Neutral Protection** Trips if ground and neutral touch at load side. Power On Indicator Green light on. Power Off Indicator Red blinking light plus optional audible alarm.

Wiring Application 3 Wire Single Phase (Hot, Neutral and Ground),

4 Wire Single Phase (Line 1, Line 2, Neutral and Ground).

Switch Interface Double Insulated. Latching Mechanism Electromagnetic

Physical Specifications

Wire Leads #10 AWG, 24" long. Unit Color Grav with black cover. Label Color on Portable Automatic reset: yellow background with black lettering. and Hard Wired Units Manual reset: black background with yellow lettering. Weight 1.40 lbs.

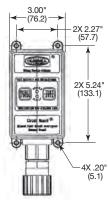
Related Code Confined Space OSHA 29 CFR 1926.404 (b) (1) (ii) OSHA 29 CFR 1926.405 (a) (2) (ii) (G) Construction Sites NEC 590.6 NEC 511.12 Commercial Garages NEC 680.5B **Fountains** Spas and Hot Tubs NEC 680.40 Marinas NEC 555.3



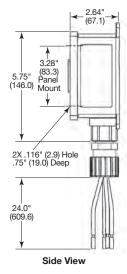
Automatic Reset GFCI



Manual Reset GFCI



Product Dimensions



Dimensions in Inches (mm)



Applications

Pressure Washers De-icing Equipment Pipeline Heaters



Portable Electric Heaters Material Dryers Automotive Garages



Portable Power Tools Submersible Pumps Outdoor Signage





Extra Heavy Duty Industrial Circuit Guard® Portable 30A GFCI - UL Type 4X Rated

				3 1
Description	Cord Length	Voltage	Manual Set	Automatic Set
Portable, manual set and	2' (60.9 cm)	120V AC	GFPST1301	GFPST1311
automatic set GFCIs.	6' (182.9 cm)	120V AC	GFPST1305	GFPST1315
	25' (762.0 cm)	120V AC	GFPST1302	GFPST1312
	50' (1524.0 cm)	120V AC	GFPST1303	GFPST1313
	2' (60.9 cm)	240V AC	GFPST2301	GFPST2311
	25' (762.0 cm)	240V AC	GFPST2302	GFPST2312
	6' (182.9 cm)	120/240V AC	GFP3305	GFP3315
	6' (182.9 cm)	3Ø 250V AC	GFP5305	GFP5315
	6' (182.9 cm)	3Ø 120/208V AC	GFPST4305	GFPST4315
	6' (182.9 cm)	3Ø 208V AC	GFP8305	GFP8315



GFPILST30250LKM

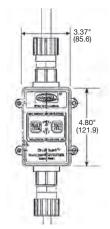
Extra Heavy Duty Industrial Circuit Guard® 30A GFCI In Line GFCI - Locking
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	•			
Description	Cord Length	Voltage	Manual Set	Automatic Set
L5-30 locking.	2' (60.9 cm)	120V AC	GFPILST30125LKM	GFPILST30125LKA
L6-30 locking.	2' (60.9 cm)	250V AC	GFPILST30250LKM	GFPILST30250LKA

Plug and Connector Selector Chart (partial listing)

The chart below is a list of possible Hubbell plug and connector body products that can be used with the Hubbell Portable GFCIs.

Family	Style	Amps	Voltage	Hubbell Catalog Number
Insulgrip [®]	Straight Blade	15	120V AC	HBL5266C & HBL5269C
Insulgrip [®]	Twist-Lock®	30	240V AC	HBL2621 & HBL2623
Watertight Safety-Shroud®	Twist-Lock®	30	240V AC	HBL2621SW & HBL2623SW
IEC Pin & Sleeve	Watertight Pin & Sleeve		240V AC	HBL330P6W & HBL330C6W
Insulgrip® Pin & Sleeve	Insulgrip® Pin & Sleeve	30	240V AC	HBL330PS2W & HBL330CS2W
Hubbellock [®]	Hubbellock®	20	120V AC	HBL23035B & HBL23032B



Product Dimensions

Specifications

Specifications		_	
Electrical Ratings		Features	
Rated Voltage	120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC.	Life (Endurance) Open Neutral Protection	10,000 cycles (6000 with load and 4000 without load). Trips upon loss of neutral.
Operating Voltage Range	85% to 110%.	Grounded Neutral Protection	Trips if ground and neutral touch at load side.
Current	Up to 30A or device rating.	Power On Indicator	Green light on.
Frequency	60 Hz.	Power Off Indicator	Red blinking light plus optional audible alarm.
Trip Level	4-6 mA.	Wiring Application	3 Wire Single Phase (Hot, Neutral and Ground).
Response Time	25 mS Max.		4 Wire Single Phase (Line 1, Line 2, Neutral and Ground).
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS	Switch interface	Double Insulated.
	between conductors and enclosure.	Latching Mechanism	Electromagnetic.
Surge Withstand	6000V impulse, 0.5 microseconds rise time	Physical Specifications	
Let Go Line Voltage Power Up	100kHz ringing frequency with 40% decay per cycle. 60% of rated. Manual or Automatic reset.	Cord Type Unit Color Label Color on Portable and Hard Wired Units	2-50', 10/3 SJGOOW. 100', 8/3 SEOW. Gray with black cover. Automatic reset: Yellow background with black lettering. Manual reset: Black background
Environmental Ratings		_	with yellow lettering.
Housing Rating Construction	UL Type 4X. Industrial grade design.	Weight	2 ft. 1.8 lbs., 6 ft. 2.7 lbs., 25 ft. 6.8 lbs., 50 ft. 12.4 lbs.,100 ft. 23.3 lbs.
Type Operating Temperature	Meets UL943 Class A GFCI35°C to 66°C, -30°F to 150°F.	Related Code	
Leakage Current @ 93% Humidity	Zero.	0 (1 10	00114 00 055 1000 101 (1) (1) (2)

Related Code		
Confined Space	OSHA 29 CFR 1926.404 (b) (1) (ii)	_
	OSHA 29 CFR 1926.405 (a) (2) (ii) (G)	
Construction Sites	NEC 590.6	
Commercial Garages	NEC 511.12	
Outdoor Signs	NEC 600.10	
Spas and Hot Tubs	NEC 680.40	
Boat Yards	NEC 555.3	



Features and Benefits

GFCI Protected FD Box

The GFCI protected FD box provides a UL Type 4X GFCI enclosure made for wet and damp locations for 30A 120V and 240V Watertight receptacles. The GFCI response time does not exceed .025 seconds ensuring a safe circuit shut down if the current were to deviate from its path. Auto resetting GFCI box, when connected to an FD box by utilizing a PolyTuff® liquid tight conduit provides advanced safety features for Watertight devices.





GFCI Housing Design

- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- 30A, 120V and 240V with auto reset
- GFCI response time is .025 sec. Max.
- Grounded neutral protection trips if ground and neutral touch at load side



FD Box

- Utilizes PolyTuff® liquidtight conduit and fittings
- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- For use with single and duplex watertight receptacles (single phase only)

 ${\it Note: Water tight\ receptacles\ purchased\ separately.}$

GFCI Protected FD Box

	Description	Catalog Number
Box	Watertight FD Box, GFCI Module, 30A 120V, Yellow	HBLWTGF120
		HBLWTGF240
	5.92" (150) 2.77" 2.27" (70) (58) Wounting Bracket Mounting Holes 5.33" (135) FD Box Catalog# HBL60CM83A	6.44" (164) 2.27" (58) 5.24" (133)
	(Includes Mounting Bracket)	(Catalog# GFHW13105, (120V) (Catalog# GFHW23105, (240V)
	3.53" (90) 3/4 NPT Thread	2.75" (70)
	(2) Liquid Tight Fitting, % N (Catalog # P075NGYA)	NPT
	- 18.00" (457) −−−−	-

Dimensions in Inches (mm)

HBLWTGF120 HBLWTGF240

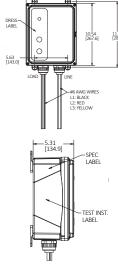
Portable GFCI Cord Drops







GFHW86108





Extra Heavy Duty Industrial Circuit Guard® Portable GFCI - Type 4X

Description
Portabe GFCI Cord Drop with Black
SEOOW Cable and Kellems Mesh
Strain Relief. Automatic Set

See Page K-19 for product specifications and dimensions

_	Tonount dudi d	1 01 10010 01	01 13po 13t	
	Cord length	Amperage	Voltage	Catalog Number
	10' (304.8 cm)	20A	125V AC	GFP201251P
	10' (304.8 cm)	20A	250V AC	GFP202501P
	10' (304.8 cm)	20A	208V AC	GFP202081P
	10' (304.8 cm)	30A	125V AC	GFP301251P
	10' (304.8 cm)	30A	250V AC	GFP302501P
	10' (304.8 cm)	30A	208V AC	GFP302081P
	10' (304.8 cm)	30A	3Ø 208V AC	GFP302083P
	10' (304.8 cm)	30A	3Ø 240V AC	GFP302403P
	25' (762.0 cm)	20A	125V AC	GFP201251P25
	25' (762.0 cm)	20A	250V AC	GFP202501P25
	25' (762.0 cm)	20A	208V AC	GFP202081P25
	25' (762.0 cm)	30A	125V AC	GFP301251P25
	25' (762.0 cm)	30A	250V AC	GFP302501P25
	25' (762.0 cm)	30A	208V AC	GFP302081P25
	25' (762.0 cm)	30A	3Ø 208V AC	GFP302083P25
	25' (762.0 cm)	30A	3Ø 240V AC	GFP302403P25

Extra Heavy Duty Industrial Circuit Guard® Hard Wired 60A GFCI - Type 4X

Description	Amperage	Voltage	Catalog Number
60 Amp Single or 3 -Phase GFCI	60A	1Ø or 3Ø 208V AC	GFHW86108
Class A Automatic Set			

Specifications

Rated Voltage: 208VAC (150V to ground max) "Class-A"

Operating Voltage Range: 85% to 110% of rated

Current: Up to 60 Amps or Device Rating Horsepower: Up to 20 HP 3Ø/ 7.5HP 1Ø

Frequency: 60 Hz.
Trip Level: 5mA +/- 1mA

Response Time 25ms max at 500Ω fault
Power up: Auto: Output is on immediately upon power up

ower up: Auto. Output is of infinitediately upon power up

Display: Illuminated TEST/RESET pushbutton, triple indication of Protecting & Power-out versus Fault

Enclosure: High impact polycarbonate 8x10x4 inch, NEMA 4X

Operational Temperature: -35" C to 50" C (-31" F to 122" F)

Connections: 60" splicing lead wires and 1" NPT conduit fittings for integration to flexible,

EMT, PVC, or burial conduit

Short Circuit: 10KA (panel tested), higher with appropriate fusing Dielectric With stand: 1500 VRMS across contact, 4000V to enclosure Voltage Surge With stand: 4000V/2000A 20-times per ICE 6100D-4-5

Agency: Listed to UL943

SECTION L

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Products at a Glance



HBL® Extra Heavy Duty Max Hospital Grade

- Deep nylon body design increases impact and chemical resistance
- One-piece nickel-plated brass ground strap
- ID marking surface for quick circuit identification
- Square head, 10-thread bronze center rivet
- External back wire clamp



Extra Heavy Duty SNAPConnect®



- SNAPConnect® modular wiring device system saves installation time
- Eliminates screw terminations
- Steel mounting strap, self-grounding
- Compact size requires minimal space

SpikeShield® Surge Suppression Plug Strips

- UL2930 HCOA's
- UL1449 SPD's available
- 15A and 20A versions
- 6 foot or 15 foot cords available
- USB versions in several models



Hubbell-PRO Extra Heavy Duty

- Specification Grade and Hospital Grade
- Tamper-Resistant, NOT Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding
- Assembled in USA



Hubbellock® Devices

- Mobile X-Ray devices
- Nylon cover, thermoset interior
- Armored, epoxy filled, rubber cord grip



USB Charger Receptacles

- Two Type-V and Type A&C port configurations, high power 20 volt, 55 watt USB output
- Heavy duty stainless steel USB ports; rated for 10,000 cord insertions and removals
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- SNAPConnect® devices, reduce labor costs and installation time



4-PLEX Receptacles

- Hospital Grade and Surge styles
- Mounts directly to 4-inch square box
- "A" and "B" circuit ID molded into face
- Removable knockouts for mounting to octagon concrete ring or box
- Heavy duty, triple wipe, brass power and ground contacts

Features and Benefits

HBL® Extra Heavy Duty Max Hospital Grade Devices

UL requirements for Hospital Grade devices is more stringent than those for standard devices. Hubbell receptacles are designed to meet and exceed the standards.

- Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas
- Impact resistant deep face design prevents breakage

Because of these features and others, the benefit is performance, reliability and value for any health care facility.





Housing Design

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance
- Deep body design increases impact and chemical resistance



Terminals

- External wiring clamps allow for visual inspection of the terminals
- Unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



One-Piece Mounting Strap

- Back wired ground terminal allows faster, easier installation
- One-piece nickel-plated brass integral ground strap for greater corrosion resistance
- Patented ground contact provides redundant grounding



Contacts

- Exclusive bypass contacts are made of nickel-plated brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed assembly arms reduce possibility of face/base separation



Identification

- I.D. marking surface provides quick, sure circuit identification
- All Hospital Grade devices are marked with the green dot symbol, required by UL



Center Rivet

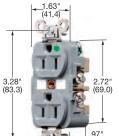
 Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion





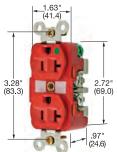
15 and 20 Ampere, 125 Volts

HBL® Extra Heavy Duty Max

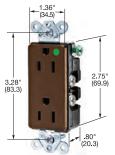




HBL8300SGA



HBL8300RMRI



HBL2172



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Dimensions in Inches (mm)





15A 125V NEMA 5-15R UL CSA



25V 20A 12: 1-15R NEMA 5-15A UL CS, IP 1 HP

lospital Grade Receptacles		0.5 HP	1 HP
Duplex	Color	Catalog Number	
Flush, thermoplastic polyester face, pack and side wired.	Black Blue Brown Gray Ivory	HBL8200BK - HBL8200 HBL8200GY HBL8200I	HBL8300BL HBL8300 HBL8300GY HBL8300I
	Light Almond Red White	HBL8200LA HBL8200RED HBL8200W	HBL8300LA HBL8300RED HBL8300W
Flush, LED illuminated face, back and side wired.	Gray Ivory Red White	HBL8200ILGY HBL8200ILI HBL8200ILR HBL8200ILW	HBL8300ILGY HBL8300ILI HBL8300ILR HBL8300ILW
Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c).	Brown Gray Ivory Light Almond	HBL8200SGA HBL8200SGGYA HBL8200SGIA	HBL8300SGA HBL8300SGGYA HBL8300SGIA HBL8300SGLA
	Red White	HBL8200SGRA HBL8200SGWA	HBL8300SGRA HBL8300SGWA
solated ground [∆]	Orange Red	IG8200 IG8200R	IG8300 IG8300R
MRI Receptacle, Duplex			
MRI receptacle, flush, thermoplastic polyester face, back and side wired. 100% non-ferrous.	Ivory Light Almond Red White	HBL8200IMRI HBL8200LAMRI HBL8200RMRI HBL8200WMRI	HBL8300IMRI HBL8300LAMRI HBL8300RMRI HBL8300WMRI
Slender/Compact, Duplex			
Flush, thermoplastic polyester face, back, and side wired, Fed. Spec. verified.	Brown Gray Green Ivory Light Almond Red White	HBL8200H HBL8200HG HBL8200HI HBL8200HLA HBL8200HRED HBL8200HW	HBL8300H HBL8300HG HBL8300HGN HBL8300HI HBL8300HLA HBL8300HRED HBL8300HW
Style Line® Decorator*			
Flush, nylon face, back and side wired.	Brown Gray Ivory Red White	HBL2172 HBL2172GY HBL2172I HBL2172R HBL2172WA	HBL2182 HBL2182GY HBL2182I HBL2182R HBL2182WA
solated ground ¹	lvory Orange White	- - -	IG2182I IG2182 IG2182WA
Single			
Flush, nylon face, pack and side wired, Fed. Spec. verified.	Brown Gray Ivory Red White	HBL8210 HBL8210GY HBL8210I HBL8210R HBL8210W	HBL8310 HBL8310GY HBL8310I HBL8310R HBL8310W
Panel mount on 1.94 in. (49.2) centers.	Brown Ivory	HBL8284 HBL8284I	_ HBL8384I
lsolated ground [∆]	Orange	IG8210	IG8310

Note: ^ASee section N for additional information on isolated ground devices.

*Not Fed. Spec. Listed.

Flush, thermoplastic polyester

face, back and side wired.

See pages A-47 and A-48 for accessories. See section O for wallplates.

Color

Brown

See page Tech-10 for Tamper-Resistant description.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

250 Volts Duplex

HBL8400

HBL8400I

Catalog Number

HBL8600

HBL8600I

15 and 20 Ampere, 125 Volts







20A 125V NEMA 5-20R UL CSA 1 HP



Standard 943



SNAPGF83R

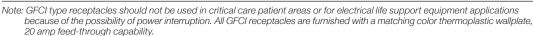
1.75" (44.5)

SNAPConnect® GFCI LED Hospital Grade Receptacles

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	SNAPGF82BLK SNAPGF82 SNAPGF82GRY SNAPGF82L SNAPGF82LA SNAPGF82R SNAPGF82W	SNAPGF83BLK SNAPGF83 SNAPGF83GRY SNAPGF83LA SNAPGF83R SNAPGF83W

SNAPConnect® GFCI LED Hospital Grade • **Tamper and Weather Resistant**

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	SNAPGFTW82BLK SNAPGFTW82 SNAPGFTW82GRY SNAPGFTW82I SNAPGFTW82LA SNAPGFTW82R SNAPGFTW82W	SNAPGFTW83BLK SNAPGFTW83 SNAPGFTW83GRY SNAPGFTW83I SNAPGFTW83LA SNAPGFTW83R SNAPGFTW83W



See page Tech-10 for Tamper-Resistant description.











SNAPGFTW83I

SNAP8300UACW

1.75" (44.5)

SNAPConnect® USB Charger Hospital Grade • TR Receptacles

Description	Color	Catalog Number	
Hospital Grade SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black Brown Gray Ivory Light Almond Red White	SNAP8200UACBK SNAP8200UAC SNAP8200UACGY SNAP8200UACI SNAP8200UACLA SNAP8200UACR SNAP8200UACW	SNAP8300UACBK SNAP8300UAC SNAP8300UACGY SNAP8300UACI SNAP8300UACLA SNAP8300UACR SNAP8300UACW











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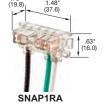
PWR

Description	Color	Catalog Number		
Hospital Grade SNAPConnect	Blue	SNAP8262S	SNAP8362S	
Surge supression, Tamper-Resistant,	Gray	SNAP8262GYS	SNAP8362GYS	
smooth face, duplex receptacle.	lvory	SNAP8262IS	SNAP8362IS	
	Light Almond	SNAP8262LAS	SNAP8362LAS	
	Red	SNAP8262RS	SNAP8362RS	
	White	SNAP8262WS	SNAP8362WS	

SNAPConnect® Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid	SNAP1RA	SNAP1RNA
	Stranded	SNAP2RA	SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	SNAP1RAM2	SNAP1RNAM2
	Stranded	SNAP2RAM2	SNAP2RNAM2

Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.



SNAP8262S





15 and 20 Ampere, 125 Volts





Catalog Number



SNAP8300BKA

SNAP8300GYA SNAP8300IA SNAP8300LAA SNAP8300RA SNAP8300WA

SNAP8300RTRA

SNAP8300WTRA

SNAP8300BKL

SNAP8300RIGL

SNAP8300LTRA

SNAP8300A



SNAPConnect® Extra Heavy Duty Hospital Grade Receptacles

Н modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.

Duplex

Hospital grade, finder groove, nylon face,	Black	SNAP8200BKA
modular receptacle which requires pigtailed connector on page L-5.	Brown Gray	SNAP8200A SNAP8200GYA
	Ivory Light Almond Red White	SNAP8200IA SNAP8200LAA SNAP8200RA SNAP8200WA
Hospital grade, smooth nylon face, modular receptacle which requires	Black Brown	SNAP8200BKNA SNAP8200NA

Color

Gray

Ivory

Red

White

Black

Brown

Gray

Ivory

Red

White

Black

Red

Black

Brown

Hospital grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.

SNAP8300BKNA SNAP8300NA SNAP8200NA SNAP8200GYNA SNAP8300GYNA SNAP8200INA SNAP8300INA **SNAP8200LANA** Light Almond **SNAP8300LANA** SNAP8200RNA SNAP8300RNA SNAP8200WNA SNAP8300WNA **SNAP8200BKTRA** SNAP8300BKTRA SNAP8200TRA SNAP8300TRA **SNAP8200GYTRA** SNAP8300GYTRA SNAP8200ITRA SNAP8300ITRA Light Almond **SNAP8200LATRA** SNAP8300LATRA



SNAP8300LATR

3.28" (83.3)

Hospital grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.

Black SNAP8200BKSCTRA SNAP8300BKSCTRA Brown **SNAP8200SCTRA** SNAP8300SCTRA Gray **SNAP8200GYSCTRA SNAP8300GYSCTRA** SNAP8200ISCTRA SNAP8300ISCTRA Ivorv Light Almond SNAP8200LASCTRA **SNAP8300LASCTRA SNAP8200RSCTRA** SNAP8300RSCTRA Red White **SNAP8200WSCTRA** SNAP8300WSCTRA Orange SNAP8200IGTRA SNAP8300IGTRA **SNAP8300RIGTRA** Red **SNAP8200RIGTRA**



SNAP8300L

2.62" (66.5)

Tamper-Resistant. Hospital grade, with Power Indicating LED. smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.

Isolated ground[∆], Hospital grade,

Brown SNAP8200L SNAP8300L SNAP8200GYL SNAP8300GYL Gray SNAP8200IL SNAP8300IL Ivorv Light Almond SNAP8200LAL SNAP8300LAL Red SNAP8200RL SNAP8300RL White SNAP8200WL SNAP8300WL Orange SNAP8200IGL SNAP8300IGL

SNAP8200RIGL

SNAP8200LTRA

SNAP8200BKLTRA

SNAP8200BKL

SNAP8200RTRA

SNAP8200WTRA

1.64" (41.7)



Isolated ground[∆], Hospital grade, with Power Indicating LED. Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA.

Isolated ground[∆], Hospital grade,

TR with Power Indicating LED.

Gray	SNAP8200GYLTRA
lvory	SNAP8200ILTRA
Light Almond	SNAP8200LALTRA
Red	SNAP8200RLTRA
White	SNAP8200WLTRA
Orange	SNAP8200IGLTRA
Red	SNAP8200RIGLTRA

SNAP8300GYLTRA SNAP8300ILTRA **SNAP8300LALTRA** SNAP8300RLTRA SNAP8300WLTRA SNAP8300IGLTRA

SNAP8300RIGLTRA

SNAP8300BKLTRA

SNAP8300RLTR

1	1.63" (41.3)	
3.28" (83.3)	11	2.00" (50.8) .922" (23.4)

SNAP8310GY

	Hospital Grade ●		Hospital Grade	Hospital Grade ● Tamper-Resistant	
Color	15A 125V	20A 125V	15A 125V	20A 125V	1
Black	SNAP8210BK	SNAP8310BK	SNAP8210BKTR	SNAP8310BKTR	
Blue	SNAP8210BL	SNAP8310BL	SNAP8210BLTR	SNAP8310BLTR	
Brown	SNAP8210	SNAP8310	SNAP8210TR	SNAP8310TR	
Gray	SNAP8210GY	SNAP8310GY	SNAP8210GYTR	SNAP8310GYTR	
lvory	SNAP8210I	SNAP8310I	SNAP8210ITR	SNAP8310ITR	
Light Almond	SNAP8210LA	SNAP8310LA	SNAP8210LATR	SNAP8310LATR	
Red	SNAP8210R	SNAP8310R	SNAP8210RTR	SNAP8310RTR	
White	SNAP8210W	SNAP8310W	SNAP8210WTR	SNAP8310WTR	







15 and 20 Ampere, 125 Volts

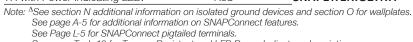
IP20





SNAPConnect® Extra Heavy Duty **Hospital Grade • Receptacles**

Style Line® Decorator	Color	Catalog Number		
Hospital grade, Style Line® decorator,	Black	SNAP2172BKA	SNAP2182BKA	_
flush, nylon face, modular receptacle	Brown	SNAP2172A	SNAP2182A	
which requires pigtailed connector on	Gray	SNAP2172GYA	SNAP2182GYA	
page L-5.	lvory	SNAP2172IA	SNAP2182IA	
	Light Almond	SNAP2172LAA	SNAP2182LAA	
	Red	SNAP2172RA	SNAP2182RA	
	White	SNAP2172WA	SNAP2182WA	_
Hospital grade, Style Line® decorator,	Black	SNAP2172BKNA	SNAP2182BKNA	
flush, nylon face, modular receptacle	Brown	SNAP2172NA	SNAP2182NA	
which requires pigtailed connector on	Gray	SNAP2172GYNA	SNAP2182GYNA	
page L-5. Assembled in USA.	Ivory	SNAP2172INA	SNAP2182INA	
	Light Almond	SNAP2172LANA	SNAP2182LANA	
	Red	SNAP2172RNA	SNAP2182RNA	
	White	SNAP2172WNA	SNAP2182WNA	_
Hospital grade, Tamper-Resistant,	Black	SNAP2172BKTRA	SNAP2182BKTRA	
Style Line® decorator, flush, nylon face,	Brown	SNAP2172TRA	SNAP2182TRA	/TF
modular receptacle which requires	Gray	SNAP2172GYTRA	SNAP2182GYTRA	
pigtailed connector on page L-5.	lvory	SNAP2172ITRA	SNAP2182ITRA	
Assembled in USA.	Light Almond	SNAP2172LATRA	SNAP2182LATRA	
	Red	SNAP2172RTRA	SNAP2182RTRA	
	White	SNAP2172WTRA	SNAP2182WTRA	
Hospital grade, Tamper-Resistant,	Black	SNAP2172BKSCTRA	SNAP2182BKSCTRA	/TF
Split Circuit, Style Line® decorator, flush,	Brown	SNAP2172SCTRA	SNAP2182SCTRA	// 88
nylon face, modular receptacle which	Gray	SNAP2172GYSCTRA	SNAP2182GYSCTRA	
requires pigtailed connector on page L-5.	lvory	SNAP2172ISCTRA	SNAP2182ISCTRA	
Assembled in USA.	Light Almond	SNAP2172LASCTRA	SNAP2182LASCTRA	
	Red	SNAP2172RSCTRA	SNAP2182RSCTRA	
	White	SNAP2172WSCTRA	SNAP2182WSCTRA	_
Isolated ground ^Δ , Hospital grade,	Orange	SNAP2172IGTRA	SNAP2182IGTRA	
Tamper-Resistant.	Red	SNAP2172RIGTRA	SNAP2182RIGTRA	NI.
Hospital grade, with Power Indicating LED,	Black	SNAP2172BKL	SNAP2182BKL	PW
Style Line® decorator, flush, nylon face,	Brown	SNAP2172L	SNAP2182L	
modular receptacle which requires	Gray	SNAP2172GYL	SNAP2182GYL	
pigtailed connector on page L-5.	lvory	SNAP2172IL	SNAP2182IL	
Assembled in USA.	Light Almond	SNAP2172LAL	SNAP2182LAL	
	Red White	SNAP2172RL	SNAP2182RL	
La Lat. I. IA III a Stat. a I		SNAP2172WL	SNAP2182WL	-
Isolated ground ^A , Hospital grade,	Orange	SNAP2172IGL	SNAP2182IGL	
with Power Indicating LED.	Red	SNAP2172RIGL	SNAP2182RIGL	
Hospital grade, Tamper-Resistant,	Black	SNAP2172BKLTRA	SNAP2182BKLTRA	PW
with Power Indicating LED, Style Line®	Brown	SNAP2172LTRA	SNAP2182LTRA	- 60
decorator, flush, nylon face, modular	Gray	SNAP2172GYLTRA	SNAP2182GYLTRA	TE
receptacle which requires pigtailed	lvory	SNAP2172ILTRA	SNAP2182ILTRA	700
connector on page L-5. Assembled in USA.	Light Almond Red	SNAP2172LALTRA	SNAP2182LALTRA	
ASSEMBLED IN USA.	White	SNAP2172RLTRA	SNAP2182RLTRA	
le elete el encourselA III e 20 e 1		SNAP2172WLTRA	SNAP2182WLTRA	_
Isolated ground ^A , Hospital grade,	Orange	SNAP2172IGLTRA	SNAP2182IGLTRA	
TR with Power Indicating LED.	Red	_SNAP2172RIGLTRA	SNAP2182RIGLTRA	



See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.

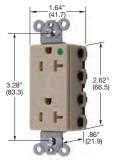
See pages A-47 and A-48 for accessories.

SNAPConnect® Tester

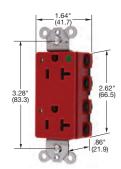
Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals,	SNAPCTG
GECL and standard recentacles	



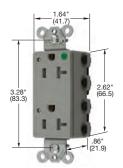
SNAP2182A



SNAP2182ITR



SNAP2182RL



SNAP2182GYLTR



Dimensions in Inches (mm)





Features and Benefits

Hubbell-PRO Extra Heavy Duty Receptacles

- Nylon face and base construction
- Triple-wipe power contacts
- Circuit ID marking area
- Combination Tamper-Resistant and LED for pediatric emergency circuits
- Galvanized steel mounting strap
- Automatic self-grounding staple
- Back and side wiring



8200REDLTRA





8300BK

8300GY

8300IV

8300

3.28" (83.3)

8200WHI

Hubbell-PRO Extra Heavy Duty

;" 3)		

8200TRA

1	1.57 (39.9)	9	
3.28" (83.3)		Cared	2.73" (69.3)
1	0 0	1.	15" 9.1)

1.57" (39.9)

8200REDLTRA

Dimensions in Inches (mm)

Hospital Grade	
Duplex	
Hospital grade	

Hospital grade,	Black
smooth nylon face,	Brown
back and side wired.	Gray
Assembled in USA.	lvory
	Light Almond
	Red
	White
Hospital grade, Tamper-Resistant,	Black
smooth nylon face,	Brown
back and side wired.	Gray

Color

Ivory

Red

White

Black

Brown

Gray

Ivory

Red

White

Black

Brown

Gray

Ivory

Red

White

Light Almond

Light Almond

Light Almond

Hospital grade, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.

Assembled in USA.

Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA.

15A 125V NEMA 5-15R UL CSA 0.5 HP Catalog Number

8200BK

8200GY

8200IV

8200

8200LA 8300LA 8200RED 8300RED 8200WHI 8300WHI **8200BKTRA** 8300BKTRA 8200TRA 8300TRA **8200GYTRA 8300GYTRA 8200IVTRA 8300IVTRA** 8200LATRA 8300LATRA 8200REDTRA 8300REDTRA 8200WTRA 8300WTRA 8200BKL 8300BKL 8200L 8300L 8200GYL 8300GYL 8200IVL 8300IVL 8200LAL 8300LALM 8200REDL 8300REDL 8300WL

8200WL 8200BKLTRA 8200LTRA 8200GYLTRA 8200IVLTRA 8200LALTRA 8200REDLTRA **8200WLTRA**

8300BKLTRA 8300LTRA 8300GYLTRA 8300IVLTRA 8300LALTRA 8300REDLTRA 8300WLTRA

Note: See pages A-47 and A-48 for accessories.

See page Tech-10 for Tamper-Resistant and LED Power Indicators description. See section O for wallplates.

The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.





Features and Benefits

Hubbell-PRO Extra Heavy Duty Receptacles

- Nylon face and base construction
- Triple-wipe power contacts
- Circuit ID marking area
- Combination Tamper-Resistant and LED for pediatric emergency circuits
- Galvanized steel mounting strap
- Automatic self-grounding staple
- Back and side wiring



2182IVLTRA



2172IVLTRA

2172LALTRA

2172WLTRA

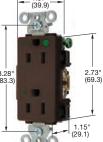
2172REDLTRA



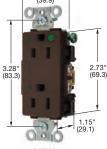


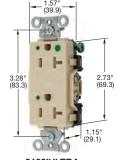
3.28" (83.3)





2172L





2182IVLTRA

Dimensions in Inches (mm)

Hubbell-PRO Extra Heavy Duty

Hospital Grade Receptacles		0.5 HP	1 HP	
Style Line® Decorator	Color	Catalog Number		
Hospital grade, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	2172BK 2172 2172GY 2172IV 2172LA 2172RED 2172W	2182BK 2182 2182GY 2182IV 2182LA 2182RED 2182W	_
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	2172BKTRA 2172TRA 2172GYTRA 2172IVTRA 2172LATRA 2172REDTRA 2172WTRA	2182BKTRA 2182TRA 2182GYTRA 2182IVTRA 2182LATRA 2182REDTRA 2182WTRA	Fi
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black Brown Gray Ivory Light Almond Red White	2172BKL 2172L 2172GYL 2172IVL 2172LAL 2172REDL 2172WL	2182BKL 2182L 2182GYL 2182IVL 2182LAL 2182REDL 2182WL	PW
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator,	Black Brown Gray	2172BKLTRA 2172LTRA 2172GYLTRA	2182BKLTRA 2182LTRA 2182GYLTRA	PW

Note: See pages A-47 and A-48 for accessories.

See page Tech-10 for Tamper-Resistant and LED Power Indicators description.

See section O for wallplates.

flush, nylon face,

back and side wired.

Assembled in USA.

The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

Ivory

Red

White

Light Almond

2182IVLTRA

2182LALTRA

2182WLTRA

2182REDLTRA

15 and 20 Ampere, 125 Volts







Hospital Grade USB-C Power Delivery Charger Type C and Type A&C



Catalog Number

USB8200ACPDI





/	Hospital Grade USB-C Power Delivery Charger
TR	Receptacle, two Type-C port configurations, one
	USB-C Power Delivery port with up to 55 Watt
	output and one LISR Type-C convenience port

Description

with up to 1.5 Amp, 5 Volt output, USB ports rated 10,000 cycles.

Hospital Grade USB-C Power Delivery Charger Receptacle, one Type A and one Type C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB Type-A convenience port with up to 1.5 Amp, 5 Volt output, USB ports rated 10,000 cycles.

Black USB8200CPDBK Brown USB8200CPD USB8200CPDGY Gray Ivory USB8200CPDI Light Almond USB8200CPDLA Red USB8200CPDR White USB8200CPDW Black Brown USB8200ACPD

USB8300CPDBK USB8300CPD USB8300CPDGY USB8300CPDI USB8300CPDLA USB8300CPDR USB8300CPDW

USB8200ACPDBK USB8300ACPDBK USB8300ACPD USB8200ACPDGY USB8300ACPDGY USB8300ACPDI USB8200ACPDLA USB8300ACPDLA USB8200ACPDR USB8300ACPDR USB8200ACPDW **USB8300ACPDW**

Note: See page A-7 for additional information on USB charger devices.

3.38" (85.9) 3.02" (76.7) 4.30" sq (109.2) (23.4) (2.5)

HBL420HS

4-PLEX® Hospital Grade Receptacles





Description	Color	Catalog Number	
4 outlet high impact resistant	Brown	HBL415H	HBL420H
Polycarbonate construction.	Gray	_	HBL420HGY
Mount to 4 in. square box.	Ivory	HBL415HI	HBL420HI
·	Red	HBL415HR	HBL420HR
	White	HBL415HW	HBL420HW
4-PLEX surge protection receptacles	Blue	_	HBL420HS
with lights, 80 joules, 6.5kA peak current.	Ivory	_	HBL420HIS
	Reď	_	HBL420HRS

Color

Gray

Ivorv

Red

White

Light Almond

4.30" sq (109.2) -3.02" (76.7) 3.38" (85.9)

HBL415HI



4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for 1- and 2-gang, device boxes.	Blue Brown Gray Ivory Orange Red White	HBL4APBL HBL4AP HBL4APGY HBL4API HBL4APO HBL4APR HBL4APW
4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Black Brown Ivory	HBL4PBBK HBL4PB HBL4PBI

Note: 4-PLEX Box is not UL listed or CSA Certified. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.





2.11" (53.6)

15 and 20 Ampere, 125 Volts







Hospital Grade Plugs

Insulgrip [®]			
Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"720" (5.8-18.3)	HBL8215C	HBL8315C
Transparent housing.	.230"720" (5.8-18.3)	HBL8215CT	HBL8315CT
8 position angle plug, transparent housing.	.250"655" (6.4-16.6)	HBL8215CAT*	HBL8315CAT*



1.53 ". (38.9)

Valise®

Description	Cord Diameter	Catalog Number		
White nylon.	.300"660" (7.6-16.8)	HBL8115V	HBL8364V	
Insulation displacement, white nylon.	.300"360" (7.6-9.1)	HBL8013V*	-	



Note: *Not Fed. Spec. Listed. See page A-48 for accessories







1.88" (47.75) HBL8115V

Hospital Grade Connector Bodies

Insulgrip [®]					
Description	Cord Diameter	Catalog Number			
Black and white nylon.	.230"720" (5.8-18.3)	HBL8219C	HBL8319C		
Transparent housing.	.230"720" (5.8-18.3)	HBL8219CT	HBL8319CT		
Valise [®]					
Description	Cord Diameter	Catalog Number			
White nylon.	.300"660" (7.6-16.8)	HBL8119V	_		

Note: See page A-49 for accessories.



HBL8219C

IP20





HBL8219CT

Hospital Grade Plugs

Valise [®]			
Description	Cord Diameter	Catalog Number	
Valise plug, white nylon.	.300"660" (7.6-16.8)	HBL8666V	HBL8464V

Note: HP ratings listed above are based on 208 to 240V AC only.





HBL8119V



HBL8666V

Hospital Grade Connector Bodies

Cord Diameter	Catalog Number	
.300"660" (7.6-16.8)	-	HBL8469V







Meets UL Standard 943 Class A GFCI

Features and Benefits

Extra Heavy Duty Hospital Grade GFCI Receptacles **Tamper-Resistant and Weather Resistant**

- Corrosion resistant construction includes nickel plated brass mounting strap. line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester "V0" thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust
- Single LED: power solid green, GF/trip solid red, end of life flashing red



GFSG8200GRY









GFSG8300W

AUTOGUARD® Self Test Hospital Grade Tamper and Weather Resistant GFCI Receptacles

ramper and treatment	oolotalit Gi	O: 1:000ptd	10100		
Description	Rating	Color	Catalog Number		
Hospital Grade Extra Heavy Duty Industrial Ground Fault Receptacle Feed Through, Tamper and Weather Resistant	15 and 20A 125V AC	Black Brown Gray Ivory Red White	GFSG8200BLK GFSG8200 GFSG8200GRY GFSG8200I GFSG8200R GFSG8200W	GFSG8300BLK GFSG8300 GFSG8300GRY GFSG8300I GFSG8300R GFSG8300W	

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color thermoplastic wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability. See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

GFCI Receptacle Specifications per GFCI Products Listed (Pages L-12 to L-15)

Trip Level 4 to 6 mA Trip Time .025 second nominal. Frequency 60 Hz. 120V AC +10% - 15% (102V to 132V). Voltage Amperage 15A/20A, 20A Feed-Thru. Maximum Interrupting Capacity 10,000A. Operating Temperature -35°C to 66°C or -30°F to 150°F. Maximum Humidity 95% **Dust Resistant** Meets UL 943, section 6.20 for resistance to dust contaminants Corrosion Resistant Meets UL 943, section 6.21 for resistance to corrosion FCC Part 15 Class B Certified conformance to radiated and conducted emission testing per FCC Immunity to noise Exceed UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances Listings and Standards Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified. Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



Meets UL Standard 943 Class A GFCI

Features and Benefits

Commercial Tamper-Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC® 517-18(c)
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Alarm version provides audible notification of a trip condition



GFTRST83B



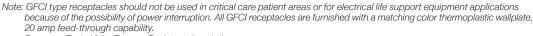
Hospital Grade

Tamper-Resistant GFCI Receptacles





Description	Rating	Color	Catalog Number	
Night Light Two LED Night Lights, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	GFTRST82BKNL GFTRST82NL GFTRST82GYNL GFTRST82INL GFTRST82LANL GFTRST82RNL GFTRST82WNL	GFTRST83BKNL GFTRST83NL GFTRST83GYNL GFTRST83INL GFTRST83LANL GFTRST83RNL GFTRST83WNL
Alarm, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	GFTRST82BKB GFTRST82B GFTRST82GYB GFTRST82IB GFTRST82LAB GFTRST82RB GFTRST82WB	GFTRST83BKB GFTRST83B GFTRST83GYB GFTRST83IB GFTRST83LAB GFTRST83RB GFTRST83WB



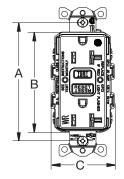
See page Tech-10 for Tamper-Resistant description.

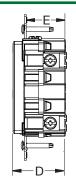




Product Dimensions

GFCI Receptacle					
Α	3.27 (83.1)				
В	2.75 (69.8)				
С	1.75 (44.5)				
D	1.47 (37.4)				
Е	1.10 (27.9)				





NEC® is a registered trademark of the National Fire Protection Association (NFPA).







Class A GFCI

Features and Benefits

Commercial Tamper and Weather Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Meets NEC® requirements for TR (517-18c) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Patented AUTOGUARD® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired











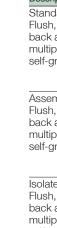
GFRTW83BLK



GFTWRST83GYU



GFTWRST82BKIG







SNAPGFTW83I



Hospital Grade • Tamper-Resistant and

Weather Resistant GFCI Receptacles

Description	Rating	Color	Catalog Number	
Standard, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	GFRTW82BLK GFRTW82 GFRTW82GRY GFRTW82I GFRTW82LA GFRTW82R GFRTW82W	GFRTW83BLK GFRTW83 GFRTW83GRY GFRTW83I GFRTW83LA GFRTW83R GFRTW83W
Assembled in USA, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	GFTWRST82BKU GFTWRST82U GFTWRST82GYU GFTWRST82IU GFTWRST82LAU GFTWRST82RU GFTWRST82WU	GFTWRST83BKU GFTWRST83U GFTWRST83GYU GFTWRST83IU GFTWRST83LAU GFTWRST83RU GFTWRST83WU
Isolated Ground, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Orange Red White	GFTWRST82BKIG GFTWRST82IG GFTWRST82GYIG GFTWRST82IIG GFTWRST82LAIG GFTWRST82ORIG GFTWRST82RIG GFTWRST82WIG	GFTWRST83BKIG GFTWRST83IG GFTWRST83GYIG GFTWRST83IIG GFTWRST83LAIG GFTWRST83ORIG GFTWRST83RIG GFTWRST83WIG
SNAPConnect®, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	- SNAPGFTW82GRY SNAPGFTW82I SNAPGFTW82LA SNAPGFTW82R SNAPGFTW82W	SNAPGFTW83BLK SNAPGFTW83 SNAPGFTW83GRY SNAPGFTW83I SNAPGFTW83LA SNAPGFTW83R SNAPGFTW83W

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

SNAPConnect® Right Angle Pigtailed Connector

Description	Wire Type	General Use	Assembled in USA
Clear right angle terminal with 6 inch leads	Solid	SNAP1RA	SNAP1RNA
#12 AWG THHN/THWN-2; Polycarbonate	Stranded	SNAP2RA	SNAP2RNA
housing material.			
Clear right angle terminal with 6 inch leads	Solid	SNAP1RAM2	SNAP1RNAM2
#12 AWG THHN/THWN-2; Polycarbonate	Stranded	SNAP2RAM2	SNAP2RNAM2
housing material with WAGO terminals.			

Note: For Assembled in USA products, must order connector with NA suffix. NEC® is a registered trademark of the National Fire Protection Association (NFPA).







Meets UL Standard 943 Class A GFCI

Features and Benefits

Commercial Standard Hospital Grade GFCI Receptacles

- Fed. Spec UL Listed, Hospital Grade
- Green power indicator and red trip indicator
- Patented AUTOGUARD® self test technology
- Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple



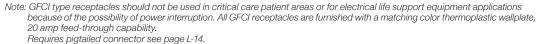






Hospital Grade • GFCI Receptacles

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Description	Rating	Color	Catalog Number	
Standard, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	GFR82BLK GFR82 GFR82GRY GFR82I GFR82LA GFR82R GFR82W	GFR83BLK GFR83 GFR83GRY GFR83I GFR83LA GFR83R GFR83W
Assembled in USA, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	GFRST82BKU GFRST82U GFRST82GYU GFRST82IU GFRST82LAU GFRST82RU GFRST82WU	GFRST83BKU GFRST83U GFRST83GYU GFRST83IU GFRST83LAU GFRST83RU GFRST83WU
Night Light Two LED Night Lights, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	GFRST82BKNL GFRST82NL GFRST82GYNL GFRST82INL GFRST82LANL GFRST82RNL GFRST82WNL	GFRST83BKNL GFRST83NL GFRST83GYNL GFRST83INL GFRST83LANL GFRST83RNL GFRST83RNL
Alarm, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	GFRST82BKB GFRST82B GFRST82GYB GFRST82IB GFRST82LAB GFRST82RB GFRST82WB	GFRST83BKB GFRST83B GFRST83GYB GFRST83IB GFRST83LAB GFRST83RB GFRST83WB
SNAPConnect®, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	- - - SNAPGF82I SNAPGF82LA SNAPGF82R SNAPGF82W	SNAPGF83BLK SNAPGF83 SNAPGF83GRY SNAPGF83I SNAPGF83LA SNAPGF83R SNAPGF83W





GFR83R



GFRST83INL



GFRST83BKB



SNAPGF83GRY



Surge Protection Devices







UL CSA 1 HP

HBL420HIS HBL420HRS



SNAP8362GYS

1.30" 1.23" -(33.0) → (31.2)

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Description Color Catalog Number Blue **SNAP8362S** NAPConnect® Tamper-Resistant, **SNAP8262S** Gray SNAP8262GYS SNAP8362GYS irge supression duplex receptacle, nooth face, 240 joules, 15000A peak current. Ivory SNAP8262IS SNAP8362IS Light Almond SNAP8262LAS SNAP8362LAS equires Snap connector on page L-14, SNAP8262RS SNAP8362RS old separately. Red SNAP8262WS SNAP8362WS White Blue HBL8262SA HBL8362SA urge suppression receptacles with ht and alarm, 240 joules, 15000A HBL8262GYSA HBL8362GYSA Gray HBL8262ISA HBL8362ISA peak current. Ivory Red HBL8262RSA HBL8362RSA White HBL8262WSA HBL8362WSA Blue IG8262SA IG8362SA Isolated ground, surge suppression receptacles with light and alarm, IG8262GYSA IG8362GYSA Gray 240 joules, 15000A peak current. Ivory **IG8262ISA IG8362ISA IG82620SA IG8362OSA** Orange Red IG8262RSA IG8362RSA **IG8262WSA** White **IG8362WSA** 4-PLEX® surge suppression receptacles Blue HBL420HS

Note: See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.

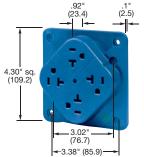
Hospital Grade • Circuit Guard® Receptacles



HBL8362ISA



with lights, 80 joules, 6500A peak current.



Description	Color	Catalog Number
4-PLEX Adapter Plates for 1- and 2-gang, and 4 in. (101.6) square device boxes.	Blue Ivory Red	HBL4APBL HBL4API HBL4APR
4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	lvory	HBL4PBI

Ivory

Red

Note: 4-PLFX Box is not LIL Listed

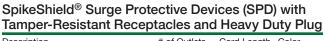
UL2930 Listed



HBL420HS

UL2930 Health Care Outlet Assembly (HCOA)

Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp
UL 2930 HCOA with L-N surge protection.	6	6'	White	HBL6MG6	HBL6MG620
	6	15'	White	HBL6MG15	HBL6MG1520
UL 2930 HCOA, Relocatable	6	6'	White	HBL6MGRPT6	HBL6MGRPT620
Power Tap (RPT).	6	15'	White	HBI 6MGRPT15	HBI 6MGRPT1520







Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp	
Type 3 SPD, Heavy Duty	6	6'	White	HBL6HG6	HBL6HG620	
metal housing.	6	15'	White	HBL6HG15	HBL6HG1520	
UL Type 3 SPD, Heavy Duty metal housing with 2-port USB.	4	6'	White	HBL6HGUSB6	_	

Dimensions in Inches (mm)

HBL6HGUSB6



Hubbellock® Plugs, Connector Bodies and Receptacles

For Hospital Use Only





Note: Cord clamp range for plug and connector .300" to .660" (7.6 to 16.8).



20A 125V AC



20A 125V AC

- labbonook - lago and connector boules		
Description	Plugs	Connector Bodies
Nylon cover, thermoset interior.	HBL23014HGB	HBL23001HGB
Armored, epoxy filled, rubber cord grip.	HBL23004HG	_

HBL23014HGB

HBL23000HG

Receptacles Description Catalog Number Black, back wired.



HBL23001HGB

Wallplates

Description	Catalog Number
Stainless steel 302/304, single-gang.	HBL23901HG
Stainless steel 302/304, three-gang for two receptacles.	HBL23909HG

Note: Suffix HG or HGB type for hospital use only.



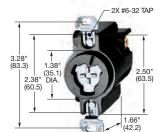




20A 125V AC

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Description	Catalog Number
Plug, with, epoxy kit, accepts #12 or #14 type SO cable.	HBL24312



HBL23000HG

Hazardous to Non-hazardous Location Receptacle Conversion Kits

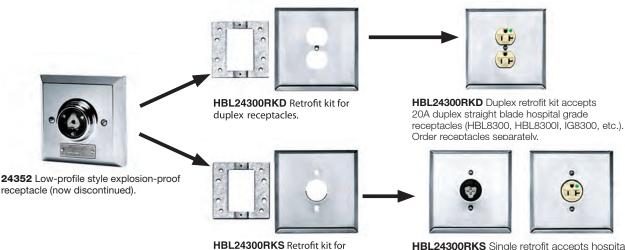
Conversion kits for replacement of explosion proof receptacles listed above, with non-explosion proof receptacles, in the hospital areas formerly classified as hazardous locations and now classified non-hazardous locations due to the change from flammable anesthetizing gases to nonflammable anesthetizing gases.

For Conversion To:	Catalog Number
20A, 125V, duplex receptacle (Hubbell HBL830 Series). Includes adapter ring and stainless steel wall plate for duplex receptacle (receptacle not included).	HBL24300RKD
20A, 125V, Hospital Hubbellock receptacle (Hubbell HBL23000HG) or 20A, 125V, straight blade single receptacle (Hubbell HBL8310 series). Includes adapter ring and stainless wall plate for single receptacle (receptacle not included.	HBL24300RKS

single receptacles.



HBL24312



HBL24300RKS Single retrofit accepts hospital only Hubbellock single receptacles (Hubbell HBL23000HG) or 20A single straight blade hospital grade receptacles (Hubbell HBL8310, HBL8310I, IG8310, etc.). Order receptacles separately.



Hubbellock® Mobile X-Ray Devices



HBL25515

HBL25615







Mobile X-Ray Plugs	50A 250V AC	60A 250V AC
Description	Catalog Number	
Plug, with epoxy kit, less cord clamp.	HBL25515	HBL25615
Plug, with cord clamp, less epoxy kit.	HBL25525	HBL25625

Note: Cord clamp range of plugs with cord clamps .830" to 1.3" (21.1 to 33.0). 50A plugs fit 50A or 60A receptacles.





50A 250V AC



Mobile X-Ray Receptacles

Description	Catalog Number	
Receptacle with stainless steel plate assembly.	HBL25505	HBL25605
Receptacle with cast aluminum plate assembly.	HBL25503	HBL25603
Replacement receptacle interior.	-	IN16494



HBL25605

Accessory

1 " 8)	Description	Catalog Number
	Box stamped steel 8" x 8" x 4" (203.2 x 203.2 x 101.6), accommodates 50A and 60A mobile X-ray receptacles. Knockout sizes 11/4", 11/2" and 2".	HBL25509





SECTION M

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Products at a Glance



Surge Protection Panels and Wired-In Branch Panels

- 320,000, 160,000 and 120,000 peak amp capacity
- Wired-in branch panel protection 100,000 peak amp capacity
- Wired-in surge arrestors, single phase 36,000 and three phase 40,000
- Wired-in surge protective devices 50,000 peak amp capacity



SpikeShield® Surge Protection Plug Strips

- UL2930 Healthcare Outlet Assemblies
- UL1449 Surge Protective Devices
- 15A and 20A versions
- Available in metallic and non-metallic
- 6 foot or 15 foot cords available
- USB ports included in several models



Surge Protection Receptacles

- Available in Specification and Hospital Grade versions
- SNAPConnect® version with tamper-resistant shutters
- Isolated Ground Specification and Hospital Grade SPD's available



Isolated Ground Receptacles

- Available in Specification and Hospital Grade versions
- Twist-Lock® Isolated Ground available
- Isolated Ground SPD's also available



Features and Benefits

Hubbell Surge Protective Devices (SPD)

A cascading approach is recommended for optimal surge protection of any facility or home. A cascading approach includes surge protection at the service entrance, branch panel and the point-of-use. Hubbell offers a comprehensive offering of panel surge products, innovative surge strips and the broadest surge receptacle offering in the industry.

The SpikeShield[®] line of panel surge protective devices offers a broad selection of products to meet the many requirements of industrial, commercial, institutional and residential applications. Hubbell offers a complete offering of high quality, cost effective panel surge products.

- All panel surge products are UL1449 4th edition listed
- Protection levels from 50 kA to 320 kA to handle all real world surge events
- 120, 160 and 320 kA versions feature bus bar construction, bolt down modules, surge counter and a metallic NEMA 1 enclosure
- Hubbell's wired-in surge units are ideal for service entrance, branch panel, or point of use applications such as protecting variable speed drives or other sensitive equipment on the plant floor





Housing Design

- Surface mounting
- Compact design with bus-bar pathways, allows installation in areas with space restrictions
- NEMA 1 enclosure
- All panel products are UL Listed to Standard 1449 4th edition



Interior Design

- Bolt-down modules, assures positive connection and allows for easy replacement
- Thermal fuse prevents the MOVs from overheating when exposed to high current levels
- Peak amp capacity for 120kA, 160kA and 320kA, protects equipment under the worst electrical conditions



Optional Disconnect Models

- 160 kA and 320 kA surge panels are available with an optional integral disconnect
- Integral switch allows power to SPD to be disconnected before opening the enclosure door



Protection

- Diagnostics panel
- LED and audible alarm for module failure with silencing
- UL 1449 Type 1 to be used in both Type 1 and Type 2 applications
- Type 1 SPD's can be located at any point in the electrical system, on the line or load side of the equipment overcurrent device



320kA and 160kA Service/Branch Panel Protection

The SpikeShield® service entrance product line includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

They incorporate a modular (replaceable surge protection modules) design and feature the latest industry approvals and safety ratings. Including UL1449 4th edition.

- Improved performance through the use of a low impedance bus-bar design
- Replaceable surge protection modules
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator





HBL10P160DB

Service/Branch Panel Protection 320,000 Peak Amp Capacity (Type 1 SPD)

Voltage	Configuration	Catalog Number	With Disconnect	Replacement Module
120/240V AC Single Phase	1Ph. 3-wire +G	-	HBL3P320DB	HBL160M120B
120/208V AC Wye*	3Ph. Wye 4-wire +G	HBL4P320B	HBL4P320DB	HBL160M120B
277/480V AC Wye**	3Ph. Delta 3-wire +G	HBL8P320B	-	HBL160M480B
347/600V AC Wye	3Ph. Wye 4-wire +G	HBL10P320B	HBL10P320DB	-

Service/Branch Panel Protection 160,000 Peak Amp Capacity (Type 1 SPD)

			<i>,</i>		
Voltage	Configuration	Catalog Number	With Disconnect	Replacement Module	
120/240V AC Single Phase	1Ph. 3-wire +G	-	HBL3P160DB	HBL160M120B	
120/208V AC Wye*	3Ph. Wye 4-wire +G	HBL4P160B	HBL4P160DB	HBL160M120B	
347/600V AC Wye	3Ph. Wye 4-wire +G	HBL10P160B	HBL10P160DB	HBL160M347B	
600V AC Delta	3Ph. Delta 3-wire +G	HBI 11P160B	-	-	

Note: Units come standard with Surge Counter.

*120/208 Wye also applies to 127/220 Wye.

**277/480 Wye also applies to 220/380 Wye,
230/400 Wye and 240/415 Wye.

- (1) Not available in stainless steel for 320 and 480 kA
- (2) Do not use on undergrounded systems. Systems must be solidly arounded
- (3) 208Y/120 series also applies to the following voltage 220Y/127
- (4) Can be used on 4-wire or 3-wire grounded wye systems with or without nuetral
- (5) 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240
- (6) 480 V Delta series also applies to the following voltage 480Y/277V HRG (7) 600 V Delta series also applies to the following voltage 600Y/347V HRG

Electrical Specifications

					Voltage Protection Rating (VPR)							
					L	-N	L-	-G	N-	-G	L.	-L
320kA Panel	160kA Panel	SCCR♦	In	MCOV †	320kA	160kA	320kA	160kA	320kA	160kA	320kA	160kA
-	HBL3P160B	200kA	20kA	150V	900	700	900	700	800	600	1500	1000
HBL4P320B	HBL4P160B	200kA	20kA	150V	900	700	900	700	800	600	1500	1000
HBL8P320B	-	200kA	20kA	320V	1500	1200	1500	1200	1200	1200	2000	2500
HBL10P320B	HBL10P160B	200kA	20kA	420V	1500	1500	1500	1500	1500	1500	2500	2500
-	HBL11P160B	200kA	20kA	840V	N/A	N/A	3000	2500	N/A	N/A	2500	2500

Note: Specification applies to both (B) and (DB) series.

♦ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. In - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase: Max. Operating Temperature:

320kA and 160kA -20°F to 149°F (-4°C to 65°C)

Max. Operating Temperature: Diagnostics Indicators:

Push to Test Diagnostics, Red and Green Status LED's. Dry Contacts, Audible Alarm and Surge Counter

Dimensions: 11.04"W x 22.44"H x 7.87"D (320kA) and 11.04"W x 20.32"H x 5.32"D (160kA)

37 lbs. Max. (320kA) and 27 lbs. Max. (160kA)

Terminal Accommodation: Operating Frequency:

#10 AWG to #2 AWG 50/60 Hz Up to -30dB NEMA 1

EMI/RFI: Housing Rating:

cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2,

No. 8-13, 5th edition.

Warranty: 10 yea

Listing:



120kA Service/Branch Panel Protection

The SpikeShield® 120kA branch panel product offering features an economical, compact, modular design.

- · Economical, compact, modular design
- Protect branch panels, safety switches and load centers
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator
- UL1449 4th edition



Service/Branch Panel Protection 120,000 Peak Amp Capacity (Type 1 SPD)

Voltage V AC	Configuration	Catalog Number Replace	ement Module	
120/240V AC Single Phase	1Ph. 3-wire +G	HBL3P120C -		
120/208V AC Wye*	3Ph. Wye 4-wire +G	HBL4P120C -		
277/480V AC Wye**	3Ph. Wye 4-wire +G	HBL8P120C -		
347/600V AC Wye	3Ph. Wye 4-wire +G	HBL10P120C HBL10I	P120CM	

Note: Units come standard with Surge Counter.

(1) Not available in stainless steel for 320 and 480 kA

- (2) Do not use on undergrounded systems. Systems must be solidly grounded
- (3) 208Y/120 series also applies to the following voltage 220Y/127
- (4) Can be used on 4-wire or 3-wire grounded wye systems with or without nuetral (5) 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240
- (6) 480 V Delta series also applies to the following voltage 480Y/277V HRG
- (7) 600 V Delta series also applies to the following voltage 600Y/347V HRG

Electrical Specifications

				Voltage Protection Rating (VPR)				
120kA Panel	SCCR♦	I _n	MCOV †	L-N	L-G	N-G	L-L	
HBL3P120C	200kA	20kA	150V	700	700	600	1000	
HBL4P120C	200kA	20kA	150V	700	700	600	1000	
HBL8P120C	200kA	20kA	320V	1200	1200	1000	2000	
HBL10P120C	200kA	20kA	420V	1500	1500	1200	2500	

Note: ♦ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. In - Nominal discharge current.

Product Specifications

Housing Rating:

Max. Surge Current per Phase: 120kA

Max. Operating Temperature: -40°F to 149°F (-40°C to 65°C)

Diagnostics Indicators: Push to Test Diagnostics, Red and Green Status LED's. Dry Contacts, Audible Alarm and Surge Counter

Dimensions: 11.04"W x 11.44"H x 5.32"D

Weight: 23.0 lbs. Max.
Terminal Accommodation: #10 AWG to #2 AWG
Operating Frequency: 50/60/400 Hz
EMI/RFI: Up to -30dB

Listing: cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2,

No. 8-13, 5th edition.

NEMA 1

Warranty: 10 year

^{*120/208} Wye also applies to 127/220 Wye.

^{**277/480} Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.



Wired-In Branch Panel Protection

The wired-in surge protection device brick design is ideal for areas where space is a major consideration. The surge unit can be mounted directly to the panel through a chase nipple connection which will reduce lead length and impedance while increasing protection levels.

The 100kA product features a NEMA 4X housing and a 200kA SCCR rating.

The SpikeShield wired-in surge protective devices are UL1449 4th edition listed.

- 100,000 Peak Amperage Capacity
- Ideal for areas where space is a major consideration
- Can be mounted directly to the panel through a chase nipple connection to reduce lead length and impedance



Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

Service Voltage	Configuration	Catalog Number
120/240V AC Single Phase	1Ph. 3-wire +G	HBL3W100C
120/208V AC Wye*	3Ph. Wye 4-wire +G	HBL4W100C
277/480V AC Wye**	3Ph. Wye 4-wire +G	HBL8W100C
480V AC Delta	3Ph. Delta 3-wire +G	HBL9W100C
347/600V AC Wye	3Ph. Wye 4-wire +G	HBL10W100C
600V AC Delta	3Ph. Delta 3-wire +G	HBL11W100C

Note: *120/208 Wye also applies to 127/220 Wye.

- (1) Not available in stainless steel for 320 and 480 kA
- (2) Do not use on undergrounded systems. Systems must be solidly grounded
- (3) 208Y/120 series also applies to the following voltage 220Y/127
 (4) Can be used on 4-wire or 3-wire grounded wye systems with or without nuetral
- (5) 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240
- (6) 480 V Delta series also applies to the following voltage 480Y/277V HRG (7) 600 V Delta series also applies to the following voltage 600Y/347V HRG

Electrical Specifications

					Voltage Protection	on Rating (VPR)	
Catalog Number	SCCR♦	In	MCOV †	L-N	Ĺ-G	N-G	L-L
HBL3W100C	200kA	20kA	150/270	900	1200	700	1500
HBL4W100C	200kA	20kA	150/270	900	1200	700	1500
HBL8W100C	200kA	20kA	320/640	1200	2000	1000	2500
HBL9W100C	200kA	20kA	640	N/A	N/A	N/A	3000
HBL10W100C	200kA	20kA	390/780	1500	2500	1500	3000
HBL11W100C	200kA	20kA	780	N/A	N/A	N/A	3000

Note: ♦ SCCR - Short Circuit Current Rating.

† MCOV - Maximum Continuous Operating Voltage.

 I_n - Nominal discharge current.

Product Specifications

Max. Surge Current per Phase:

Max. Operating Temperature: -40°F to 140°F (-40°C to 60°C)

Diagnostics Indicators: Green Status LED's, Audible Alarm, Dry Contacts

Dimensions: 9.9"W x 4.8"H x 3.1"D

Weight: 4.78 lbs.

Terminal Accommodation: #10 AWG 18.0" Wire Leads

Frequency: 50/60 Hz EMI/RFI: Up to -30dB Housing Rating: Type 4X

Listing: cULus UL 1449 4th edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986

Warranty:

^{**277/480} Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.

Also can be used on ungrounded systems.



Wired-In Surge Arrestors and Protective Devices

Surge Arrestors are a low cost solution that may be installed on the line side or load side of the service entrance. These are also excellent for OEM applications where size is an important variable.

Hubbell's 50kA single phase wired-in high-quality surge protective device features a compact design, NEMA 4X rating and are UL1449 4th edition listed.

- 36,000, 40,000 and 50,000 Peak Amperage Capacity
- Surge arrestors are a low cost solution that may be installed on the line side or load side of the service entrance
- Excellent for OEM applications where size is an important variable
- Single phase wired-in surge protective devices feature a compact design



HBLSDSA36

Wired-In High-Quality Surge Protective Device (Type 1 SPD)

Service Voltage	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number
120/240V AC Single Phase	1Ph. 3-wire + G	50kA	Side Nipple Mount	HBL3W50

Wired-In Surge Arrestors, Single Phase and Three Phase (Type 1 SPD)

			, , ,		
Service Voltage	Configuration	Peak Amp Capacity	Mounting Means	Catalog Number	
120/240V AC Single Phase	1Ph. 3-wire	36kA	Back Nipple Mount	HBLSDSA36	
120/208V AC Wye*	3Ph. 4-wire	40kA	Back Nipple Mount	HBL4SA40	
240V AC Delta	3Ph. 3-wire	40kA	Back Nipple Mount	HBL5SA40	
480V AC Delta	3Ph. 3-wire	40kA	Back Nipple Mount	HBL9SA40	
347/600V AC Wye	3Ph. 4-wire	40kA	Back Nipple Mount	HBL10SA40	
600V AC Delta	3Ph. 3-wire	40kA	Back Nipple Mount	HBL11SA40	

Electrical Specifications

					Voltage Protecti	on Rating (VPR)	
Catalog Number	SCCR♦	I _n	MCOV†	L-N	L-G	N-G	L-L
HBL3W50	25kA	10kA	150 (L-N, L-G), 300 (L-L)	700	800	N/A	1200
HBLSDSA36	22kA	10kA	150	700	N/A	N/A	1200
HBL4SA40	200kA	10kA	180 (L-N), 360 (L-L)	700	N/A	N/A	1200
HBL5SA40	200kA	10kA	360 (L-L)	N/A	N/A	N/A	1200
HBL9SA40	200kA	10kA	840 (L-L)	N/A	N/A	N/A	2500
HBL10SA40	200kA	10kA	510 (L-N), 1020 (L-L)	1800	N/A	N/A	3000
HBL11SA40	200kA	10kA	1020 (L-L)	N/A	N/A	N/A	3000

Note: ♦ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. In - Nominal discharge current.

Product Specifications

<u> </u>			
Service Voltage	Single Phase	Single Phase	Three Phase
Max. Surge Current per Phase:	50kA	36kA	40kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)
Diagnostics Indicators:	Green Status LED per line	Green Status LED per line	Green Status LED per line
Dimensions:	3.0"W x 3.6"H x 2.67"D	2.25"W x 2.25"H x 1.94"D	3.60"W x 3.0"H x 2.64"D
Weight:	1.8 lbs.	.72 lbs.	1.8 lbs.
Terminal Accommodation:	#12 AWG Wire Leads	#14 AWG Wire Leads	#12 AWG Wire Leads
Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
EMI/RFI:	Up to -30dB	Up to -30dB	Up to -30dB
Housing Rating:	Type 4X	Type 4X	Type 4X
Listing:	UL1449 4th edition	UL1449 4th edition	UL1449 4th edition
Warranty:	10 year	2 year	2 year

UL2930 Healthcare Outlet Assembly (HCOA) Hubbell's UL2930 HCOAs are the industry first UL listed product for patient care areas Product is available with or without L:N surge protection 45° Angle Plug (6 outlet 15A models only) HBL6MG620 Surge Protected HCOA HBL4MGRPT6



Housing Design and Safety

- First UL2930 product ever sold
- 15A and 20A 125V versions
- Surge or Non-surge protected models in all configurations
- Tamper-resistant flip covers
- Green LED indicates surge protection working



Contacts and Cord

RPT HCOA

- Equipment grounding terminal
- 6 ft. or 15 ft. cord length
- 12/3 AWG cord on 15A and 20A models
- 45° angle plug (6 outlet 15A models only)
- 90° angle plug (All 4 outlet and all 20A models)



HBL4MGRPT6



HBLHCOAMB



UL2930 Healthcare (6) Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA	6	550	6 Ft.	White	HBL6MG6	HBL6MG620
with L-N Surge Protection	6	550	15 Ft.	White	HBL6MG15	HBL6MG1520
UL2930 HCOA	6	N/A	6 Ft.	White	HBL6MGRPT6	HBL6MGRPT620
Relocatable Power Tap (RPT)	6	N/A	15 Ft.	White	HBL6MGRPT15	HBL6MGRPT1520

UL2930 Healthcare (4) Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA with L-N Surge Protection	4	550	6 Ft.	White	HBL4MG6	HBL4MG620
	4	550	15 Ft.	White	HBL4MG15	HBL4MG1520
UL2930 HCOA Relocatable Power Tap (RPT)	4	N/A	6 Ft.	White	HBL4MGRPT6	HBL4MGRPT620
	4	N/A	15 Ft.	White	HBL4MGRPT15	HBL4MGRPT1520

Hubbell HCOA Accessories

Description	Color	Catalog Number
HCOA mounting bracket allows strips to be easily mounted to IV poles or other like medical devices.	Black	HBLHCOAMB
HCOA replacement outlet cover	White	ROCMGS

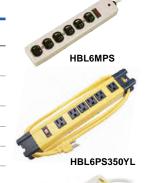


SpikeShield® Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

	# of	Joule	Cord		Healthca	Healthcare Industry		Industrial Grade	
Description				Color	15 Amp	20 Amp	15 Amp	20 Amp	
UL Type 3 SPD, Heavy Duty	6	1100	6'	White	HBL6HG6	HBL6HG620	HBL6SS6	HBL6SS620	
Metal Housing	6	1100	15'	White	HBL6HG15	HBL6HG1520	HBL6SS15	HBL6SS1520	
UL Type 3 SPD, Heavy Duty Metal Housing with 2-port USB	4	1100	6'	White	HBL6HGUSB6	_	_	_	

Metallic Surge Protection Strips

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Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
Metal Power Strip (No surge protection)	6	N/A	N/A	6'	Office White	N/A	HBL6MPS
Metal Power Strip (No surge protection)	6	N/A	N/A	15'	Office White	N/A	HBL6MPS15
Metal SPD	6	1050	19.5kA	6'	Office White	\$2,500	HBL6MPS1050
Metal SPD	6	1050	19.5kA	15'	Office White	\$2,500	HBL6MPS105015
SPD with Wire Management	6	350	6.5kA	6'	Yellow	\$2,500	HBL6PS350YL
SPD with Wire Management	8	350	6.5kA	6'	Yellow	\$2,500	HBL8PS350YL



Non-Metallic Surge Protection Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
Power Strip (No surge protection)	6	N/A	N/A	6'	Office White	N/A	HBL6PPS
SPD	6	350	6.5kA	6'	Office White	\$2,500	HBL6PS350A
SPD	6	350	6.5kA	15'	Office White	\$2,500	HBL6PS35015A
SPD with Fax/Modem	6	1050	19.5kA	6'	Office White	\$2,500	HBL6PS1050MA
SPD	7	1050	19.5kA	6'	Office White	\$10,000	HBL7PS1050A
SPD with Fax/Modem	7	1050	19.5kA	6'	Office White	\$10,000	HBL7PS1050MA
SPD	7	1050	19.5kA	15'	Office White	\$10,000	HBL7PS105015A
SPD with Fax/Modem/CATV	8	2100	39kA	6'	Office White	\$25,000	HBL8PS2100MA
SPD with Two USB Ports and 90° Angle Plug.	4	1050	19.5kA	6'	Black	\$10,000	HBL4PS1050USBA



Features and Benefits

Heavy Duty Relocatable Power Taps for Industrial, Commercial and Retail Applications

- Heavy-duty 18 gauge galvanized steel housing with durable powder coat finish
- Available in 15A and 20A configurations
- 6 Ft. and 15 Ft. cord length options for all models
- 15A models feature a 45° angle plug
- 20A models feature a 90° angle plug
- All models come with built in circuit breaker for over current protection
- Church-key openings on the back of the RPT for temporary mounting ease
- White powder coat RPTs feature UL Listed Hospital Grade, Tamper-Resistant Receptacles
- Black powder coat RPTs feature Specification Grade, Tamper-Resistant Receptacles



HBL6RPT6BK



Housing Design and Safety

- Heavy-duty 18 gauge galvanized steel housing with durable powder coat finish
- White or Black powder coat RPTs feature Tamper-Resistant Receptacles
- Church-key openings on the back of the RPT for temporary mounting ease



Contacts and Cord

- All models come with built in circuit breaker for over current protection
- 6 ft. or 15 ft. cord length
- 45° angle plug (15A series)
- 90° angle plug (20A series)

Relocatable Power Tap with Hospital Grade Tamper-Resistant Receptacles







Relocatable Power Tap with Specification Grade Tamper-Resistant Receptacles

Description	# of Outlets	Cord Length	Color	Catalog Number	20A 125V
RPT, Heavy Duty	6	6 Ft.	Black	HBL6RPT6BK	HBL6RPT620BK
Metal Housing	6	15 Ft.	Black	HBL6RPT15BK	HBL6RPT1520BK

Relocatable Power Tap Specifications

Electrical Specifications		
Current	15A	20A
Voltage	125V	125V
Frequency	60Hz	60Hz
Over Current Protection	15A CB	20A CB

Physical	Specifications
----------	----------------

Temperature	(-40°C to 70°C)	
Operating	-40°F to 160°F	
Environmenta	I Specifications	
Height	1.6" (40.5)	
Width	2.22" (56.4)	
Lengin	11.12 (282.4)	

cULus Listed UL1363 RPT

Specifications

UL2930 Heatlhcare Outlet Assembly

Electrical Specifications							
	HBL6MG6/15	HBL6MG20/1520	HBL6MGRPT6/15	HBL6MGRPT20/1520			
Current	15A	20A	15A	20A	_		
Voltage	125V	125V	125V	125V			
Frequency	60Hz	60Hz	60Hz	60Hz			
Surge Component	MOV	MOV	N/A	N/A			
Performance				'	Environmental Specifications		
UL VPR L-N	6	00V			Operating -40°F to 160°F		
L-G, N-G	1	N/A			Temperature (-40°C to 70°C)		
EMI Noise Filtration:	-11 dB to -68 dB	(10kHz to 100MHZ)					
In (Nominal Discharge Current)	3	BkA		.	Certifications		
MCOV	1:	50V	N/A	N/A	UL 2930: UL File # E488399:		
Peak Current Rating L-N	30	30KA		30KA			RoHs Compliant: NFPA 99 2012 ed:
Leakage Current:	<.	1mA			ANSI/IEEE Category A (HBL6MG Series Only)		
Total Joules (L-N)	5	550j					

SpikeShield® Surge Protective Devices (SPD) with Industrial Grade Tamper-Resistant Receptacles and Heavy Duty Plug

Electrical Specifications	15 Amp HBL6SS/HBL6HG Seri	ies	20Amp HBL6SS/HBL6HG Series	Certifications	
Current	15A		20A	cULus Listed to UL1449 4th I	Edition, UL1363 4th Edition
Voltage	125V		125V	UL File # E143272	
Frequency	60Hz		60Hz	RoHs Compliant	
Surge Component	MOV		MOV	NFPA 99 2012 ed	
Over Current Protection	15A CB		20A CB	ANSI / IEEE Category A	
2-Port USB (HBL6HGUSB6)	5V DC Type A		N/A	cULus Listed to UL1310 (2-Port USB)	
UL VPR	L-N	L-Ġ	N-G		
	500V	600V	′ 600V	Environmental Specificati	ions
MCOV		150V		Operating Temperature	-40°F to 160°F (-40°C to 70°C)
Peak Current Rating L-N		30KA			, , , ,
Leakage Current:		<.5mA			
EMI / RFI Noise Rejection	-11 dB to -6	-11 dB to -68 dB (10kHz to 100MHZ)			
Total Joules (all modes)		1100	,		

SpikeShield® Surge Protection Plug Strips

	PS350 Series	MPS350 Series	PS350YL Series	PS1050 Series
Operating Specifications				
Max. Cont. Operating Voltage	130	130	130	130
Operating Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Max Surge Current	6.5 kA	6.5 kA	6.5 kA	19.5 kA
Operating Temperature		40°F to 160°I	F (-40°C to 70°C)	
Performance				
UL Voltage Protection Rating	400V	400V	400V	400V
MI / RFI Noise Rejection	_	_	_	-20dB
Downline Warranty*	\$2,500	\$2,500	\$2,500	\$2,500 (6PS1050) \$10,000 (all others)

^{*}See warranty information inside product box for details.

Dimensions			
Series	Length	Width	Height
HBL6PS350/1050 Series & HBL6PPS	11.2" (284.5)	2.36" (59.9)	1.85" (47.0)
HBL7PS1050 Series HBL6MPS Series HBL6PS350YL HBL8PS350YL HBL4PS1050USB	514.75" (374.7) 12.25" (311.2) 14.75" (374.7) 10.0" (254.0) 10.38" (263.7))	2.5" (63.5) 2.5" (63.5) 6.0" (152.4)	1.85" (47.0) 1.5" (38.1) 1.85" (47.0) 1.85" (47.0) 1.44" (36.6)

Features and Benefits

Surge Protection Receptacles

Hubbell offers a broad range SPD receptacles with technology that is unsurpassed. Inside Hubbell SPD receptacles are two 22mm square MOVs providing 240 joules of surge protection for each mode. The nylon component shield protects the printed circuit board from contaminants. An all-glass, conformably coated PC board provides superior moisture immunity for longer life in humid environments.

- Alarmed and non-alarmed versions
- Available in 15A and 20A versions
- Commercial Specification Grade and Hospital Grade
- IG available in all versions



Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.



Housing Design

- Meets UL Standards 1449 4th Edition and 498; CSA Certified
- Impact-resistant nylon face
- Available in Hospital Grade, 4-PLEX®, SNAPConnect® and Tamper-Resistant
- Fits standard wall box



Terminals

 Back and side wiring capability provides easy installation with stranded or solid wire



One-Piece Mounting Strap

- Wrap-around, locked on steel mounting strap provides additional support strength for receptacle assembly
- Automatic self-grounding staple attached to bridge meets NEC[®] requirements



Contacts

• Green grounding screw connected directly to the grounding contacts



Identification

- Distinctive surge symbol provides quick visual identification
- Surge protection indicator light
- Muting screw allows damage-alert alarm to be silenced until device is replaced





4-PLEX Surge Receptacles

- Distinctive surge symbol
- Surge protection indicator light

Circuit Guard®, Specification Grade







Duplex Receptacles		UL CSA	UL CSA
Description	Color	Catalog Number	
Surge protection receptacles with light,	Blue	HBL5260SA	HBL5360SA
240 joules, 15kA peak current.	lvory	HBL5260ISA	HBL5360ISA
	Office White	HBL5260OWSA	HBL5360OWSA
	White	HBL5260WSA	HBL5360WSA
Surge protection receptacles with light	Blue	HBL5262SA	HBL5362SA
and alarm, 240 joules, 15kA peak current.	Gray	HBL5262GYSA	HBL5362GYSA
	lvory	HBL5262ISA	HBL5362ISA
	Office White	HBL5262OWSA	HBL5362OWSA
	White	HBL5262WSA	HBL5362WSA
Isolated ground, surge protection	Blue	IG5262SA	IG5362SA
receptacles with light and alarm,	Gray	IG5262GYSA	IG5362GYSA
240 joules, 15kA peak current.	lvory	IG5262ISA	IG5362ISA
	Office White	IG5262OWSA	IG5362OWSA
	Orange	IG5262OSA	IG5362OSA
	White	IG5262WSA	IG5362WSA
4-PLEX® surge protection receptacles	Blue	HBL415S	HBL420S
with lights, 80 joules, 6.5kA peak current.	lvory	HBL415IS	HBL420IS



HBL5262GYSA

3.28" | (83.3) 2.62" (66.5)

IG5362SA



HBL8362ISA

Circuit Guard®, Hospital Grade Duplex Receptacles

Officult duald , Hospital drade Duplex neceptacles				
Description	Color	Catalog Number		
Surge protection receptacles with light	Blue	HBL8262SA	HBL8362SA	
and alarm, 240 joules, 15kA peak current.	Gray	HBL8262GYSA	HBL8362GYSA	
	lvory	HBL8262ISA	HBL8362ISA	
	Red	HBL8262RSA	HBL8362RSA	
	White	HBL8262WSA	HBL8362WSA	
Isolated ground, surge protection	Blue	IG8262SA	IG8362SA	
receptacles with light and alarm,	Gray	IG8262GYSA	IG8362GYSA	
240 joules, 15kA peak current.	lvory	IG8262ISA	IG8362ISA	
	Orange	IG8262OSA	IG8362OSA	
	Red	IG8262RSA	IG8362RSA	
	White	IG8262WSA	IG8362WSA	
4-PLEX surge protection receptacles	Blue	_	HBL420HS	
with lights, 80 joules, 6.5kA peak current.	lvory	_	HBL420HIS	
	Red	_	HBL420HRS	

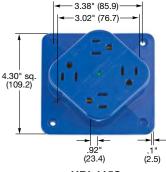
4-PLEX® Accessories

T LEX ACCESSORIES		
Description	Color	Catalog Number
4-PLEX adapter plates for 1- and 2-gang	Blue	HBL4APBL
(4-PLEX mount directly to 4" (101.6) square	lvory	HBL4API
device boxes).	Red	HBL4APR
4-PLEX portable box. Portable 4" (101.6) square box	lvory	HBL4PBI
with one cord grip. Accepts up to .66" (16.8) dia. cord.		

Note: 4-PLEX box is not UL Listed.

Wallplates (Sold Separately)

wanpiatee	Cold Copt	aratory)					
Configuration	Hiç Color	gh-Impact Thermo	oplastic Mid-Size	Plated	Steel	Stainless S Bra	` '
1-Gang	Blue Gray Ivory Ivory Orange Red White	P26GY P26I P26OIG** P26R P26W	PJ26BL PJ26GY PJ26I PJ26C* - PJ26R PJ26W	Chrome Brass Plated	SCH26 SBP26	Smooth S/S Smooth S/S Smooth Brass	SS26 SSJ26 ^ SB26



HBL415S

Dimensions in Inches (mm)

Note: *Premarked "COMPUTER ONLY." Lettering is block 1/4" high.
**Premarked "ISOLATED GROUND." Lettering is block 1/4" high.

See section O for additional wallplates.

[▲] Jumbo size plate.

Features and Benefits

SNAPConnect® Surge Protection and Isolated Ground Receptacles Heavy Duty Specification Grade

Hubbell's SNAPConnect® Isolated Ground devices are available in a variety of styles.

- All SNAPConnect® IG receptacles include Hubbell's industry best tamper resistant shutter
- 15A and 20A models are available in Hospital Grade, HG Decorator, Commercial Specification Grade, and Commercial Decorator versions
- SNAPConnect® IG devices are also available with a power indicating LED version in all the aforementioned grades. The power indicating product is also available in a non TR shutter design
- SNAPConnect® connectors come standard with solid or stranded 12 AWG THHN





Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.



Protection

- Hubbell surge receptacles offer 240 joules of protection and 15 kA peak current rating
- Surge protection LED indicator flashes when surge protection is lost
- Audible alarm also provides user notification that surge protection has been lost. Muting screw allows user to turn alarm OFF once replacement has been scheduled



Isolated Ground

- IG triangle on the face of the receptacle clearly indicates isolated ground device
- LED Power-ON indicator available on all models
- Hubbell's patented TR shutter design is utilize on all IG receptacles that feature the Tamper-Resistant option



Installation

- SNAPConnect® devices reduce labor time during installation and when being serviced in the future
- Connectors available with solid or stranded leads
- Custom length leads available
- Push on wire option also available on SNAPConnect® connectors



Installation

- SNAPConnect® Isolated ground devices are available in standard duplex design or decorator shape
- 15A and 20A version in Commercial Specification Grade and Hospital Grade
- SNAPConnect® Isolated Ground devices provide a clean ground path for sensitive equipment





SNAPConnect® Tamper-Resistant Surge Protection **Receptacle with Power Indicating LED**



Catalog Number

SNAP8200IGL

SNAP2172IGL

SNAP5262IGL

SNAP2152IGL

SNAP2172RIGL

SNAP8200RIGL



SNAP8300IGL

SNAP2182IGL

SNAP5362IGL

SNAP2162IGL

SNAP2182RIGL

SNAP8300RIGL

Description	Color	Catalog Number	
Hospital Grade ● SNAPConnect® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15kA peak current.	Blue	SNAP8262S	SNAP8362S
	Gray	SNAP8262GYS	SNAP8362GYS
	Ivory	SNAP8262IS	SNAP8362IS
	Light Almond	SNAP8262LAS	SNAP8362LAS
	Red	SNAP8262RS	SNAP8362RS
	White	SNAP8262WS	SNAP8362WS
Commercial Grade SNAPConnect® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15kA peak current.	Blue	SNAP5262S	SNAP5362S
	Gray	SNAP5262GYS	SNAP5362GYS
	Ivory	SNAP5262IS	SNAP5362IS
	Light Almond	SNAP5262LAS	SNAP5362LAS
	White	SNAP5262WS	SNAP5362WS



SNAP5262S

_	1.64"	
3.28"	1 (-	2.62" (66.5)
(83.3)	1 (-)	
	080	.86" (21.9)

SNAPConnect® Tamper-Resistant Isolated Ground Receptacle

		<u></u>	
Description	Color	Catalog Number	
Hospital Grade • SNAPConnect® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange Red	SNAP8200IGTRA SNAP8200RIGTRA	SNAP8300IGTRA SNAP8300RIGTRA
Hospital Grade • Style Line® decorator SNAPConnect® Tamper-Resistant, isolated ground, smooth face, duplex.	Orange Red	SNAP2172IGTRA SNAP2172RIGTRA	SNAP2182IGTRA SNAP2182RIGTRA
Commercial Grade, isolated ground.	Orange	SNAP5262IGTRA	SNAP5362IGTRA
Style Line® decorator.	Orange	SNAP2152IGTRA	SNAP2162IGTRA

Color

Red

Red

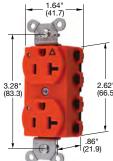
Orange

Orange

Orange

Orange





SNAP5362IGL

SNAPConnect® Tamper-Resistant Isolated Ground Receptacle with Power Indicating LED

SNAPConnect® Isolated Ground Receptacle

with Power Indicating LED

Hospital Grade ● SNAPConnect®

Tamper-Resistant, isolated ground,

SNAPConnect® Tamper-Resistant,

isolated ground, smooth face, duplex. Commercial Grade, isolated ground.

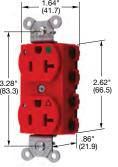
Hospital Grade • Style Line® decorator

Description

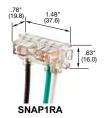
smooth face, duplex.

Style Line® decorator.

Color	Catalog Number	
Orange Red	SNAP8200IGLTRA SNAP8200RIGLTRA	SNAP8300IGLTRA SNAP8300RIGLTRA
Orange Red	SNAP2172IGLTRA SNAP2172RIGLTRA	SNAP2182IGLTRA SNAP2182RIGLTRA
Orange	SNAP5262IGLTRA	SNAP5362IGLTRA
Orange	SNAP2152IGLTRA	SNAP2162IGLTRA
	Orange Red Orange Red	Orange SNAP8200IGLTRA Red SNAP8200RIGLTRA Orange SNAP2172IGLTRA Red SNAP2172RIGLTRA Orange SNAP5262IGLTRA



SNAP8300RIGLTRA



SNAPConnect® Right Angle Pigtailed Connector for General Use

Description	Solid Wire	Stranded Wire
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2, 600V, Polycarbonate housing material.	SNAP1RA	SNAP2RA

Note: See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.

Features and Benefits

Straight Blade Isolated Ground Receptacles

In February 1968, Hubbell patented the first isolated ground receptacle. Today —when a clean, noise-free ground is more important than ever—Hubbell is still setting the standard.

Hubbell uses insulation barrier construction on many models to isolate the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. In this way, ground contacts are separated from the mounting strap and also from the conventional grounding system. The isolated ground circuit is completed by running a dedicated insulated ground wire from the system ground buss to the green grounding screw.

And there's more to the Hubbell line:

- Available in 19 NEMA configurations and a total of 60 different type receptacles.
- Versatility and mobility: With Hubbell's grounding method, Hubbell's IG devices can be mounted in boxes, on metal panels almost anywhere.
- Hubbell quality: Every Hubbell IG device meets and exceeds all applicable codes and standards, specially the toughest standard of all, the Hubbell standard of excellence.





Housing Design

- Dimensionally stable, reinforced thermoplastic polyester provides impact strength in addition to heat and flame resistance
- Impact-resistant nylon face
- Straight blade 15A and 20A, 125V duplex receptacles are available in a variety of colors



Terminals

 Back and side wiring capability provides easy installation with stranded or solid wire



One-Piece Mounting Strap

- Wrap-around, locked on brass mounting strap provides additional support strength for receptacle assembly
- Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box



Contacts

- Green grounding screw connected directly to the grounding contacts
- Insulation barrier construction first patented by Hubbell — isolates ground contacts from the mounting strap



Identification

- IG triangle on the face of the receptacle clearly indicates isolated ground device
- Amperage and voltage clearly indicated



Center Rivet

 Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion



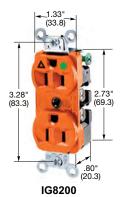


Hospital Grade , HBL® Extra Heavy Duty, **Isolated Ground Receptacles**





		0.0 1	
Description	Color	Catalog Number	
Flush, thermoplastic polyester face, duplex, back and side wired, multiple drive screws.	Orange Red	IG8200 IG8200R	IG8300 IG8300R
Style Line® decorator.	Orange Ivory White	_ _ _	IG2182 IG2182I IG2182WA
Flush, thermoplastic polyester face, single.	Orange	IG8210	IG8310



15A and 20A, 125V HBL® Extra Heavy Duty, Specification Grade, **Isolated Ground Receptacles**



IG5262RWR

IG5261WR



20A 125V NEMA 5-20R UL CSA 1 HP

Description	Color	Catalog Number	
Flush, nylon face, duplex,	Orange	IG5262	IG5362
back and side wired,	Gray	IG5262GY	IG5362GY
multiple drive screws.	lvory	IG5262I	IG5362I
	Red	IG5262R	IG5362R
	White	_	IG5362W
Weather Resistant, duplex,	Orange	IG5262WR	IG5362WR
isolated ground.	Gray	IG5262GYWR	IG5362GYWR
	lvory	IG5262IWR	IG5362IWR

Red

White

Orange

Black Blue

Gray

Ivory

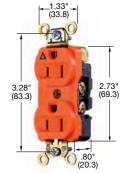
White

Gray

Orange

Orange

Office White



IG5362IWR IG5362RWR **IG5362WWR**

IG2162GY

IG5361WR

IG5262





back and side wired. 4-PLEX® receptacle. Orange **IG415** IG420* Flush, nylon face, single, IG5261 IG5361 Orange back and side wired.

CR5252IG

Weather Resistant, single, Isolated ground.

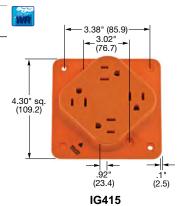
Note: *Not Fed. Spec. Listed.

Style Line® decorator,

flush, nylon face,

See page Tech-10 for Weather Resistant description.

See page A-47 and A-48 for accessories. See page A-28 for 4-PLEX accessories.

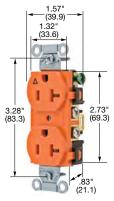


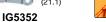


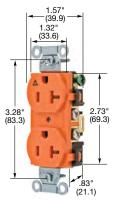
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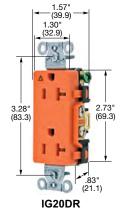
30A 250V

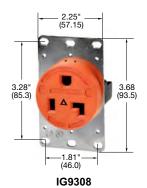






IG20CR





Hubbell-PRO Heavy Duty Specification Grade

Hubbell-PRO Heavy Duty Specification Grade		15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Description	Color	Catalog Number	
Smooth face, duplex, back and side wired.	Orange	IG5252	IG5352
	Gray	IG5252GY	IG5352GY
	Ivory	IG5252I	IG5352I
	Light Almond	IG5252LA	IG5352LA
	White	IG5252W	IG5352W
Tamper-Resistant,	Orange	IG5252TR	IG5352TR
smooth face, duplex,	Ivory	IG5252ITR	IG5352ITR
back and side wired.	White	IG5252WTR	IG5352WTR

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30A 125V

Note: See page Tech-10 for Tamper-Resistant description.

Commercial Specification Grade

Description	Color	Catalog Number	
Smooth face, duplex, side wired.	Orange Gray Ivory Light Almond White	IG15CR IG15CRGRY IG15CRI IG15CRLA IG15CRWHI	IG20CR IG20CRGRY IG20CRI IG20CRLA IG20CRWHI
Style Line® decorator; smooth face; back and side wired.	Orange Gray Ivory Light Almond White	IG15DR IG15DRGRY IG15DRI IG15DRLA IG15DRWHI	IG20DR IG20DRGRY IG20DRI IG20DRLA IG20DRWHI

15A and 20A, 250V HBL® Extra Heavy Duty, Specification Grade, **Isolated Ground Receptacles**

15A 250V NEMA 6-15R UL CSA 1.5 HP 20A 250V NEMA 6-20R Color Catalog Number Flush, nylon face, duplex, Orange IG5662 IG5462 back and side wired, multiple drive screws. Flush, nylon face, single. IG5661 IG5461 Orange

	IP20
	SUITABILITY
A, 125V and 250V	

Isolated Ground Receptacles		NEMA 5-30R UL CSA 2 HP	NEMA 6-30R UL CSA 2 HP
Description	Color	Catalog Number	
Single receptacle, 2 pole, 3 wire grounding.	Orange	IG9308	IG9330

Dimensions in Inches (mm)

20

Features and Benefits

Isolated Ground Twist-Lock® Receptacles

Hubbell uses insulation barrier construction to isolate the ground contacts from the mounting strip, providing a clean, noise-free ground for sensitive equipment.

Face color-coding by voltage facilitates locating and mating of proper devices.





125/250V AC





Housing Design

- Impact-resistant nylon face
- Boss diameter is 1.56 in. (39.6) on 20 and 30A devices, simplifying installation
- Glass-filled thermoplastic polyester base is heat and impact resistant, providing dimensional stability and strength



Terminals

• Back and side wiring capability provides easy installation with stranded or solid wire



Mounting Strap

- All-brass mounting and grounding system provides a low resistance ground path
- Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box



Contacts

- Insulation barrier construction first patented by Hubbell isolates ground contact from the mounting strap
- Wire restraint recess for both back and side wiring reduces terminal loosening
- One-piece contact with long spring arm (low stress) and oxide cutting nibs; prevents stress and overheating



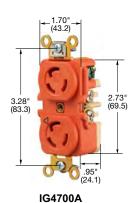
Identification

- Color-coding by voltage rating helps ensure mating of proper devices
- Amperage and voltage clearly indicated



- #10 silicon bronze terminal screw provides excellent strength and resistance to corrosion and stripping
- External back wiring allows visual inspection of terminations





3.28" (83.3)

3.28" (83.3)

2.67" (67.8)

(24.9)

IG2310

IG4710

2.38 1.56"

(39.6)

#6-32 TAP

15A, 125V and 250V **Back and Side Wired**





Description	Poles/Wires	Color	Catalog Number	
Flush, RTP face, duplex.	2 pole, 3 wire	Orange	IG4700A* IG4550A*	
Flush, RTP face, single.	2 pole, 3 wire	Orange	IG4710 IG4560	

Note: RTP is an abbreviation for reinforced thermoplastic polyester. *Supplied with break-off tabs for split circuit wiring.

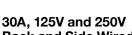






20A, 125V, 250V and 480V AC **Back and Side Wired**

Description	Poles/Wires	Color	Catalog Number		
Flush, nylon face, single.	2 pole, 3 wire	Orange	IG2310	IG2320	IG2340







Back and Side Wired

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	2 pole, 3 wire	Orange	IG2610	IG2620





20A, 125V/250V and 3Ø 250V AC **Back and Side Wired**

20A 125/250V AC NEMA L14-20R UL/CSA 2 (1) HP

20A 3Ø 250V AC NEMA L15-20R UL/CSA 3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	IG2410	IG2420





OA 3Ø 250V AC NEMA L15-30R UL/CSA 3 HP

Back and Side Wired 2 (2) HP

Description	Poles/Wires	Color	Catalog Numb	er	
Flush, nylon face, single.	3 pole, 4 wire	Orange	IG2710	IG2720	





Back and Side Wired	2001710
Description	Doloo ///iros

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	4 pole, 5 wire	Orange	IG2510	IG2810

Specifications

Surge Protection Receptacles

	Part	Duplex		4-PLEX®		
-		HBL5262SA/HBL5362S/				
Typical Specification		SNAP5262S/SNAP5362	S	HBL4AP		
Type-2 Pole, 3 Wire, Grounding	Receptacle	15A/20A		15A/20A		
	Top & Base	Nylon		Lexan [®]		
	Power Contact	.031" (.8) Brass		.032" (.8) Brass		
	Contact Design	Tandem Modified Bypas	SS	Triple Wipe		
Rating-15A, 125V AC/20A, 125V AC	Mounting Strap	.050" (1.3) Steel-Zinc Co	oated	_		
Certification-UL Listed File E2186	Clamping Plate	.031" (.8) Brass		.031" (.8) Brass-Line Ter	rminal Plate	
Listed to UL Standards 498 Receptacles				.031" (.8) Brass-Neutral	Terminal Plate	
Meets UL1449 4th edition	Terminal Screws	Brass #8-32 (HBL only)		Brass #8-32		
Grounding Screw		Steel (Green) (HBL only)		Brass (Green)		
CSA Certified to Specification C22.2 No. 42	Auto Grd. Clip	Stainless Steel		.050" (1.3) Ground Plate		
ANSI/IEEE C62.41 (IEEE 587)	Mounting Screws	Steel-Zinc Plated		Brass		
Installation Categories "A" (Ring Wave)	LED	Green		Green		
"B" (Unidirectional Impulse)	Alarm Muting Screw	Nylon				
Performance						
Electrical		Duplex/SNAPConnect®	9	4-PLEX®		
Frequency		60Hz		60Hz		
Voltage		120V AC + 10%-15%		20V AC + 10%-15%		
Response Time		Approximately 5 ns		Approximately 5 ns		
Protection Modes		Normal & Common Mod	es	Normal & Common Mod	es	
Transient Suppression		Peak Energy (10 X 100 µs)	Peak Current (8 X 20 µs)	Peak Energy (10 X 100 µs)	Peak Current (8 X 20 µs	
Normal Mode (L-N)		240 joules	15000A	80 joules	6500A	
Common Mode (L-G), (N-G)		240 joules	15000A	80 joules	6500A	
UL Voltage Protection Rating		600 L-N, 600 L-G, 1000 N-G		600 L-N, 600 L-G, 900 N-G		
EMI/RFI Attenuation at 50 Ohms Normal Mode	е	-40 dB				
Operating Temperature		32°F to 140°F (0°C to 60	°C)	-40°F to 140°F (-40°C to 60°C)		
Flammability		UL 94V-2		UL 94V-2		

Specifications

320kA, 160kA and 120kA Service/Branch Panel Protection (Type 1 SPD)

lootrioo	Specifications
ecuica	i obecilications

						Voltage Protection Rating (VPR)						
					L	-N	L-	G	N-	-G	L.	-L
320kA Panel	160kA Panel	SCCR◊	In	MCOV †	320kA	160kA	320kA	160kA	320kA	160kA	320kA	160kA
HBL3P320B	HBL3P160B	200kA	20kA	320/160	900	700	900	700	800	600	1500	1000
HBL4P320B	HBL4P160B	200kA	20kA	320/160	900	700	900	700	800	600	1500	1000
HBL5P320B	HBL5P160B	200kA	20kA	320/160	N/A	N/A	1500	1200	N/A	N/A	2000	1500
HBL6P320B	HBL6P160B	200kA	20kA	320/160	1000/1200	900/1500	900/1200	900/1200	800	700	1500	1500
HBL8P320B	HBL8P160B	200kA	20kA	320/160	1500	1200	1500	1200	1200	1200	2000	2500
HBL9P320B	HBL9P160B	200kA	20kA	320/160	N/A	N/A	1800	1800	N/A	N/A	2500	2500
HBL10P320B	HBL10P160B	200kA	20kA	320/160	1500	1500	1500	1500	1500	1500	2500	2500
HBL11P320B	HBL11P160B	200kA	20kA	320/160	N/A	N/A	3000	2500	N/A	N/A	2500	2500

Note: Specification applies to both (B) and (DB) series.

Product Specifications

Dimensions:

Weight:

Max. Surge Current per Phase: Max. Operating Temperature: Diagnostics Indicators:

320kA and 160kA

-20°F to 149°F (-4°C to 65°C) Push to Test Diagnostics, Red and Green Status LEDs, Dry Contacts, Audible Alarm and Surge Counter

11.04"W x 22.44"H x 7.87"D (320kA); 11.04"W x 20.32"H x 5.32"D (160kA) 37 lbs. Max. (320kA); 27 lbs. Max. (160kA)

Terminal Accommodation: Operating Frequency: EMI/RFI:

Housing Rating: Listing:

#10 AWG to #2 AWG

50/60 Hz Up to -30dB NFMA 1

cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA

22.2. No. 8-13. 5th edition.

#10 AWG 18.0" Wire Leads

Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

Electrical Specifications

				Voltage Protection Rating (VPR)				
Catalog Number	SCCR◊	I _n	MCOV †	L-N	L-G	N-G	L-L	
HBL3W100C	200kA	20kA	150/270	900	1200	700	1500	
HBL4W100C	200kA	20kA	150/270	900	1200	700	1500	
HBL5W100C	200kA	20kA	300	N/A	N/A	N/A	1500	
HBL6W100C	200kA	20kA	275/150	1000	1200	700	1500	
HBL8W100C	200kA	20kA	320/640	1200	2000	1000	2500	
HBL9W100C	200kA	20kA	640	N/A	N/A	N/A	3000	
HBL10W100C	200kA	20kA	390/780	1500	2500	1500	3000	
HBL11W100C	200kA	20kA	780	N/A	N/A	N/A	3000	

Product Specifications

Max. Surge Current per Phase: Max. Operating Temperature: Diagnostics Indicators:

Dimensions:

Weight:

-40°F to 140°F (-4°C to 60°C) Green Status LEDs. Dry Contacts,

Audible Alarm 9.9"W x 4.8"H x 3.1"D

4.78 lbs

Terminal Accommodation: Operating Frequency:

EMI/RFI: Housing Rating: Listina:

50/60 Hz Up to -30dB Type 4X

cULus UL 1449 4th edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986

Warranty:

Wired-In High-Quality Surge Protective Device, Surge Arrestors, Single Phase and Three Phase (Type 2 SPD)

Electrical Specifications

				Voltage Protection Rating (VPR)					
Catalog Number	SCCR◊	In	MCOV †	L-N	L-G	N-G	L-L		
HBL3W50	25kA	10kA	150 (L-N, L-G), 300 (L-L)	700	800	N/A	1200		
HBLSDSA36	22kA	10kA	150	700	N/A	N/A	1200		
HBL4SA40	200kA	10kA	180 (L-N), 360 (L-L)	700	N/A	N/A	1200		
HBL5SA40	200kA	10kA	360 (L-L)	N/A	N/A	N/A	1200		
HBL8SA40	200kA	10kA	420 (L-N), 840 (L-L)	1500	N/A	N/A	2500		
HBL9SA40	200kA	10kA	840 (L-L)	N/A	N/A	N/A	2500		
HBL10SA40	200kA	10kA	510 (L-N), 1020 (L-L)	1800	N/A	N/A	3000		
HBL11SA40	200kA	10kA	1020 (L-L)	N/A	N/A	N/A	3000		

Product Specifications

Service Voltage	Single Phase	Single Phase	Three Phase
Max. Surge Current per Phase:	50kA	36kA	40kA
Max. Operating Temperature:	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)	-40°F to 149°F (-40°C to 65°C)
Diagnostics Indicators:	Green Status LED per line	Green Status LED per line	Green Status LED per line
Dimensions:	3.0"W x 3.6"H x 2.67"D	2.25"W x 2.25"H x 1.94"D	3.60"W x 3.0"H x 2.64"D
Weight:	1.8 lbs.	.72 lbs.	1.8 lbs.
Terminal Accommodation:	#12 AWG Wire Leads	#14 AWG Wire Leads	#12 AWG Wire Leads
Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
EMI/RFI:	Up to -30dB	Up to -30dB	Up to -30dB
Housing Rating:	Type 4X	Type 4X	Type 4X
Listing:	UL1449 4th edition	UL1449 4th edition	UL1449 4th edition
Warranty:	10 year	2 year	2 year

♦SCCR: Short Circuit Current Rating | † MCOV: Maximum Continuous Operating Voltage | ‡ In: Nominal discharge current

SECTION N

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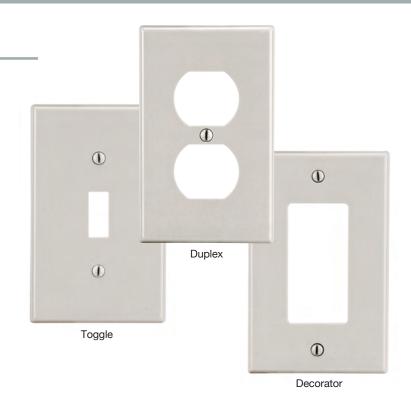
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Features and Benefits

Non-metallic Wallplates

Hubbell's line of polycarbonate wallplates features larger standard sized wallplates to provide extra coverage to hide rough box opening, improved aesthetics, greater strength, impact resistance, along with easy to clean finish in all different types of environments.

- Standard size is \(\frac{1}{8} \) inch larger to give you extra coverage to hide rough box openings. Also available in mid-size, jumbo and pre-marked
- Smooth satin finish, blends into the wall
- More rigid, sharper lines
- Captive screw feature holds mounting screw in place for quick and easy installation, single gang
- High-impact polycarbonate thermoplastic is virtually unbreakable
- Smooth, easy to clean finish is highly resistant to solvents and cleaning solutions, providing long life in the harshest environments
- cULus listed

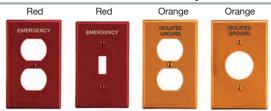


Hubbell's standard sized wallplates are \(^{1}\)g inch larger to provide you that extra coverage to hide rough box openings. The depth is ¼ inch so that it will comfortably fit over the device even on imperfect installations or on retrofit work. See page N-32 for details and dimensions.

Non-metallic Wallplates



Non-metallic Pre-Marked Wallplates



Metal Wallplates



Features and Benefits

Stainless Steel Wallplates

Provide solutions for a variety of industrial and commercial applications.

302/304 Type Stainless Steel

Non-magnetic: 18.0% Chromium 8.0% Nickel

- Ideal for highly corrosive environments such as hospitals, food processing, static free requirements and more
- Environments subjected to heavy abuse

430 Type Stainless Steel

Magnetic: 17.0% Chromium Less than 0.5% Nickel

- Aesthetically identical to the 302/304 type stainless steel wallplates and are best suited for environments where corrosion resistance is less critical
- Standard commercial use

Smooth Solid Brass

- Provides a plush appearance with the durability of metal
- Finish is lacquer coated to inhibit oxidation

Anodized Aluminum

- Non-magnetic and corrosion resistance for a wide range of applications
- Finish is lacquer coated to inhibit oxidation



Decorator
(Protective plastic film helps to prevent scratches and damage)

Extra-Duty Metallic While-in-Use Covers

These covers are designed for use whenever protection is required while an outlet is in use. Covers meet or exceed the extra-duty rating per UL 514D, and are NEMA 3R rated.

- Die-cast aluminum construction
- Powder coated "chip resistant" paint corrosion protection
- Unique plug management provision for securing device and cord

2023 National Electrical Code (NEC®) Requirement

406.9 Receptacles in Damp or Wet Locations.

406.9 Receptacles in Damp or Wet Locations.

(B) Wet Locations

(1) Receptacles of 15 and 20 Amperes in a Wet Location.

Receptacles of 15 and 20 amperes, 125 and 250 volts installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be identified as "extra-duty." Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box hood need not be marked "extra-duty."

All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed and so identified as weather-resistant type.

(2) Other Receptacles. All other receptacles installed in a wet location shall comply with 406.9(B)(2)(a) or (B)(2)(b).

(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.

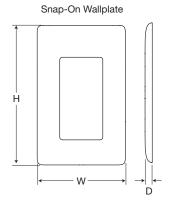
(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.





Snap-On Screwless Wallplates

- Clean, elegant look
- No visible screws
- Snap-on wallplate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on wallplate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Hubbell wallplates
- Meets UL and CSA standards





Gang	Height (H)	Width (W)	Depth (D)
1	4.75" (120.6)	3.00" (76.2)	.25" (6.35)
2	4.75" (120.6)	4.81" (122.2)	.25" (6.35)
3	4.75" (120.6)	6.62" (168.2)	.25" (6.35)
4	4.75" (120.6)	8.44" (214.3)	.25" (6.35)

Snap-On Screwless Wallplates

Description		Color	Decorator Catalog Number	Toggle Catalog Number
1-Gang, 1-Decorator	1-Gang, 1-Toggle	lvory Light Almond White	NPS26I NPS26LA NPS26W	NPS1I NPS1LA NPS1W
2-Gang, 2-Decorator	2-Gang, 2-Toggle	lvory Light Almond White	NPS262I NPS262LA NPS262W	NPS2I NPS2LA NPS2W
3-Gang, 3-Decorator	3-Gang, 3-Toggle	lvory Light Almond White	NPS263I NPS263LA NPS263W	NPS3I NPS3LA NPS3W
4-Gang, 4-Decorator		lvory Light Almond White	NPS264I NPS264LA NPS264W	- - -
1-Gang, 1-Duplex		lvory Light Almond White	NPS8I NPS8LA NPS8W	- - -





GFCI, USB, Surge Receptacles and Style Line® Device Wallplates

			Thermoplast	ic		Metal
Description	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Decorator	Black Blue Brown Gray Ivory Light Almond Red White	P26BK - P26 P26GY P26I P26LA P26R P26W	PJ26BK PJ26BL PJ26 PJ26GY PJ26I PJ26LA PJ26R PJ26W	- - - NPJJ26I NPJJ26LA - NPJJ26W	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	© SB26 SBP26 SCH26 SS26 SS26L
2-Gang, 2-Decorator	Black Brown Gray Ivory Light Almond Red White	P262BK P262 P262GY P262I P262LA P262R P262W	PJ262BK PJ262 PJ262GY PJ262I PJ262LA PJ262R PJ262W	- - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	© SB262 SBP262 SCH262 SS262 SS262L
3-Gang, 3-Decorator	Black Brown Gray Ivory Light Almond Red White	P263BK P263 P263GY P263I P263LA P263R P263W	PJ263BK PJ263 PJ263GY PJ263I PJ263LA PJ263W	- - - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304	© SBP263 © SS263
4-Gang, 4-Decorator	Black Brown Gray Ivory Light Almond White	P264BK P264 P264GY P264I P264LA P264W	– – – PJ264I PJ264LA PJ264W	- - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS264
5-Gang, 5-Decorator	Gray Ivory Light Almond White	P265GY P265I P265LA P265W	- - - -	- - -	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS265
6-Gang, 6-Decorator	Black Brown Gray Ivory Light Almond White	P266BK P266 P266GY P266I P266LA P266W	- - - - -	- - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS266

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.



Toggle Switch Wallplates

		Thermoplastic			_	Metal
Description	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Toggle	Black Brown Gray Ivory Light Almond Red White	P1BK P1 P1GY P1I P1LA P1R P1W	PJ1BK PJ1 PJ1GY PJ1I PJ1LA PJ1R PJ1W	- - NPJJ1I NPJJ1LA - NPJJ1W	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	SA1 SB1 SBP1 SCH1 SS1 SS1L
2-Gang, 2-Toggle	Black Brown Gray Ivory Light Almond Red White	P2BK P2 P2GY P2I P2LA P2R P2W	– PJ2 PJ2GY PJ2I PJ2LA – PJ2W	- - NPJJ2I NPJJ2LA - NPJJ2W	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	SA2 SB2 SBP2 SCH2 SS2 SS2L
3-Gang, 3-Toggle	Black Brown Gray Ivory Light Almond Red White	P3BK P3 P3GY P3I P3LA - P3W	– PJ3GY PJ3I PJ3LA PJ3R PJ3W	- - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	© SB3 - SCH3 SS3 SS3L
4-Gang, 4-Toggle	Black Brown Gray Ivory Light Almond White	P4BK P4 P4GY P4I P4LA P4W	– – – PJ4I PJ4LA PJ4W	- - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① SB4 - ① SS4
5-Gang, 5-Toggle	Gray Ivory Light Almond White	P5GY P5I P5LA P5W	- - - -	- - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	© SB5 © SS5
6-Gang, 6-Toggle	Gray Ivory Light Almond White	P6GY P6I P6LA P6W	- - - -	- - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	© SB6 © SS6
7-Gang, 7-Toggle					Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① ① ① SS607
8-Gang, 8-Toggle					Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① ① SS608
2-Gang, 1-Toggle					Aluminum Brass Brass Plated Chrome S/S 302/304	- - - - SS740

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.





Duplex Receptacle Wallplates

			Thermoplas	stic	_	Metal
Description	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Duplex	Black Blue Brown Gray Ivory Light Almond Orange Red White	P8BK - P8 P8GY P8I P8LA P8OR P8R P8W	PJ8BK PJ8BL PJ8 PJ8GY PJ8I PJ8LA - PJ8R PJ8W	- NPJJ8I NPJJ8LA - NPJJ8W	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	SA8 SB8 SBP8 SCH8 SS8 SS8L
2-Gang, 2-Duplex	Black Brown Gray Ivory Light Almond Orange Red White	P82BK P82 P82GY P82I P82LA P82OR P82R P82W	PJ82BK - PJ82GY PJ82I PJ82LA - PJ82R PJ82W	- - - - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	SA82 SB82 SBP82 SCH82 SS82 SS82L
3-Gang, 3-Duplex	lvory White	P83I P83W	=	-	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① ① ① ① SS83
4-Gang, 4-Duplex					Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① ① ① ① SS84
2-Gang, 1-Duplex					Brass Brass Plated Chrome S/S 302/304 S/S 430	- - - SS748 -

Single 15/20A Straight Blade or 15A Twist-Lock® Receptacle Wallplates

			Thermoplas	stic		Metal
Description	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Single 1.40 in. (35.6) Dia. Hole	Black Brown Gray Ivory Light Almond Red White	P7BK P7 P7GY P7I P7LA P7R P7W	– – PJ7I PJ7LA – PJ7W	- - - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	SA7 SB7 SBP7 SCH7 SS7 SS7L
2-Gang, 1-Single 1.40 in. (35.6) Dia. Hole					Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	- - - - SS747
2-Gang, 2-Single 1.40 in. (35.6) Dia. Hole					Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① ① ① ① ① ① SS72

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations. ①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.



Single 20/30A Twist-Lock® Receptacle Wallplates

				hermoplastic		Metal
Description		Color	Standard	Mid-Size	Material	Catalog Number
•	1-Gang, 1-Single, 1.60 in. (40.6) Dia. Hole	Black Brown Gray Ivory Red White	P720BK P720 P720GY P720I P720R P720W	- - - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304	SA720 SB720 ① ① ① SS720
0	1-Gang, 1-Single, 1.74 in. (44.2) Dia. Hole				Aluminum Brass Brass Plated Chrome S/S 302/304	- - - - - SS725
0	2-Gang, 1-Single, 1.60 in. (40.6) Dia.Hole				Aluminum Brass Brass Plated Chrome S/S 302/304	- - - - - SS749
e e	3-Gang, 2-Single, 1.60 in. (40.6) Dia. Hole				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① ① S\$320

Single Receptacle Wallplates

			1	hermoplastic		Metal
Description		Color	Standard	Mid-Size	Material	Catalog Number
0	1-Gang, 1-Single, 1.97 in. (50.0) Dia. Hole				Aluminum Brass Chrome S/S 302/304	- - - - SS737
	1-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole	Black Ivory White	P724BK P724I P724W	PJ724BK PJ724I PJ724W	Aluminum Brass Brass Plated Chrome S/S 302/304	- ① ① SCH723 SS723
To the state of th	2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole				Aluminum Brass Chrome S/S 302/304	- - - SS702
	2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole	Black Ivory White	P703BK P703I P703W	PJ703BK PJ703I PJ703W	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	- - - - SS703 SS703L
	2-Gang, 1-Single, 2.48 in. (63.0) Dia. Hole				Aluminum Brass Chrome S/S 302/304	- - - - SS701
	2-Gang, 1-Single, 2.66 in. (67.6) Dia. Hole				Aluminum Brass Chrome S/S 302/304	- - - - SS716

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.





Blank Wallplates, Box Mount

			Thermoplastic			Metal
Description	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Blank, Box Mount	Black Brown Gray Ivory Light Almond White	P13BK P13 P13GY P13I P13LA P13W	PJ13BK PJ13 PJ13GY PJ13I PJ13LA PJ13W	- - NPJJ13I NPJJ13LA NPJJ13W	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	SA13A SB13 - SCH13 SS13 SS13L
2-Gang, 2-Blank, Box Mount	Black Brown Gray Ivory Light Almond White	P23BK P23 P23GY P23I P23LA P23W	PJ23 PJ23I PJ23LA PJ23W	- - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	SA23 SB23 ① SCH23 SS23 SS23L
3-Gang, 3-Blank, Box Mount	lvory White	P33I P33W	-	-	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS33
4-Gang, 4-Blank, Box Mount	lvory White	P43I P43W	-	-	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS43

Blank Wallplates, Strap Mount

			Thermoplas	stic		Metal
Description	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Blank,	Black	P14BK	_	_	Aluminum	①
Strap Mount	Brown	P14	_	_	Brass	SB14
-	Gray	P14GY	_	_	Brass Plated	①
• =	lvory	P14I	_	_	Chrome	①
41	Light Almond	P14LA	_	-	S/S 302/304	SS14
1	Red	P14R	_	_		
6	White	P14W	_	_		
2-Gang, 2-Blank,	Black	P24BK	_	_	Aluminum	①
Strap Mount	Brown	P24	_	_	Brass	①
_	Gray	P24GY	_	_	Brass Plated	①
a. a =	lvory	P24I	_	_	Chrome	①
41)	Light Almond	P24LA	_	_	S/S 302/304	SS24
	Red	P24R	_	-		
	White	P24W	_	-		
3-Gang, 3-Blank,					Aluminum	①
Strap Mount					Brass	①
					Brass Plated	①
0 0 0 0					Chrome	①
					S/S 302/304	SS34

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.



Combination Wallplates, 2-Gang

Combination Waliplates, 2-G	U	Т	hermoplastic		Metal
Description	Color	Standard	Mid-Size	Material	Catalog Number
2-Gang, 1-Toggle, 1-Duplex	Brown Gray Ivory Light Almond White	P18 P18GY P18I P18LA P18W	– PJ18GY PJ18I PJ18LA PJ18W	Aluminum Brass Brass Plated Chrome S/S 302/304	① SB18 - SCH18 SS18
2-Gang, 1-Duplex, 1-Decorator	Black Brown Gray Ivory Light Almond White	P826BK P826 P826GY P826I P826LA P826W	PJ826BK PJ826 PJ826GY PJ826I PJ826LA PJ826W	Aluminum Brass Brass Plated Chrome S/S 302/304	© SB826 © SS826
2-Gang, 1-Toggle, 1-Decorator	Black Brown Gray Ivory Light Almond White	P126BK P126 P126GY P126I P126LA P126W	– PJ126 PJ126GY PJ126I PJ126LA PJ126W	Aluminum Brass Brass Plated Chrome S/S 302/304	⊕ SB126 - ⊕ SS126
2-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole, 1-Duplex	lvory White	P78I P78W	-	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS78
2-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole, 1-Duplex				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① S\$8720
2-Gang, 1-Toggle, 1-Blank Box Mount	Brown Gray Ivory Light Almond White	– P113GY P113I P113LA P113W	PJ113 – PJ113I – PJ113W	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS113
2-Gang, 1-Toggle, 1-Blank Strap Mount				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① ① SS114
2-Gang, 1-Blank, 1-Decorator Box Mount	Black Gray Ivory Light Almond White	P1326BK P1326GY P1326I P1326LA P1326W	– PJ1326I PJ1326LA PJ1326W	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS1426*

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

*Strap Mount.



Combination Wallplates, 2-Gang

		-	Thermoplastic		Metal
Description	Color	Standard	Mid-Size	Material	Catalog Number
2-Gang, 1-Blank, 1-Duplex Box Mount	Gray Ivory Light Almond White	P138GY P138I P138LA P138W	- - - -	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS138
2-Gang, 1-Blank, 1-Duplex Strap Mount				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① ① SS148

Combination Wallplates, 3-Gang

		Т	hermoplastic		Metal
Description	Color	Standard	Mid-Size	Material	Catalog Number
3-Gang, 2-Toggle, 1-Duplex	Brown	P28	_	Aluminum	①
	Gray	P28GY	_	Brass	①
4 4	lvory	P28I	PJ28I	Brass Plated	①
The second secon	Light Almond	P28LA	PJ28LA	Chrome	①
O	White	P28W	PJ28W	S/S 302/304	1
3-Gang, 2-Toggle, 1-Decorator	Black	P226BK	_	Aluminum	①
0, 00 ,	Brown	P226	_	Brass	①
0 0	Gray	P226GY	-	Brass Plated	①
	lvory	P226I	PJ226I	Chrome	①
i i i	Light Almond White	P226LA P226W	PJ226LA PJ226W	S/S 302/304	SS226
3-Gang, 1-Toggle, 2-Decorator	lvory	P1262I	_	Aluminum	①
4 4	Light Almond	P1262LA	_	Brass	①
4	White	P1262W	_	Brass Plated	①
				Chrome	①
4 4				S/S 302/304	1

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.



Combination Wallplates, 4-Gang

		Т	hermoplastic		Metal
Description	Color	Standard	Mid-Size	Material	Catalog Number
4-Gang, 3-Toggle, 1-Decorator	Black Brown Gray Ivory Light Almond White	P326BK P326 P326GY P326I P326LA P326W	- - - - -	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS326
4-Gang, 2-Toggle, 2-Decorator	Ivory Light Almond White	P2262I P2262LA P2262W	<u>-</u> -	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ①

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

Specifications

Non-Metallic Wallplates Metallic Wallplates Certification UL Standard 514D UL Standard 514D UL Files #E31999,E92074 CSA Standard C22.2 No. 42.1 CSA File 1733174

Product	Thickness	Mounting Screw(s)	Appearance
Thermoplastic Wallplate	.07 in. (1.8)	Steel (painted slotted screw head).	Smooth satin finish.
302/304 Stainless Steel Wallplate (18% Chromium, 8% Nickel)	.035 in. (0.9) nominal	302/304 stainless steel (18% chromium, 8% nickel). Slotted screw head.	Horizontal brushed finish.
430 Stainless Steel Wallplate (17% Chromium, less than 0.5% Nickel)	.035 in. (0.9) nominal	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Horizontal brushed finish.
Brass Wallplate (70% Copper, 30% Zinc)	.04 in. (1.0)	Brass (70% Coppper,30% Zinc). Slotted screw head.	Horizontal brushed finish.
Aluminum Wallplate	.05 in. (1.3)	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Horizontal brushed finish.
Brass Plated Steel Wallplate	.03 in. (0.8) nominal	Brass slotted head.	Polished, coated to inhibit oxidation.
Chrome Plated Steel Wallplate	.03 in. (0.8) nominal	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Polished, coated to inhibit oxidation.
Steel Painted Wallplate	.03 in. (0.8) nominal	Steel (painted slotted screw head).	Powder coat paint.





Telephone and Coaxial Wallplates

		-	Thermoplastic		Metal
Description	Color	Standard	Mid-Size	Material	Catalog Number
1-Gang, 1-Tel Thermoplastic .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Box Mount	Ivory Light Almond White	P11I P11LA P11W	PJ11I PJ11LA PJ11W	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS11*
1-Gang, 1-Tel Thermoplastic .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Strap Mount				Aluminum Brass Brass Plated Chrome S/S 302/304	① - - - SS12*
1-Gang, 1-Tel .625 in. (15.9) Hole, Box Mount	lvory White	P737I P737W	-	Aluminum Brass Brass Plated Chrome S/S 302/304	- - - -
1-Gang, 1-Tel .380 in. (9.7) Hole, Box Mount				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① SS739
1-Gang, 1-Tel .380 in. (9.7) Hole, Strap Mount				Aluminum Brass Brass Plated Chrome S/S 302/304,	① ① ① ① SS738

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.
 *.50" (12.7) I.D. nylon bushing provided.

Louver Wallplate, 1-Gang, Box Mount

		Thermoplastic				
Description	Color	Standard	Mid-Size	Material	Metal Catalog Number	
1-Gang, Vertical Mounted Louver				Aluminum	①	
0				Brass	_	
				Brass Plated	-	
				Chrome	①	
				S/S 302/304	SS771	
				S/S 430	_	
A STATE OF THE PARTY OF THE PAR						

Note: @Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.

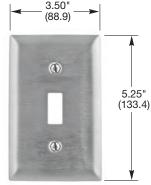


Jumbo, Smooth, Stainless Steel Type 302/304 Wallplates

Configuration	Catalog Number	Configuration	Catalog Number
1-Gang, 1-Toggle	SSJ1	2-Gang, 2-Toggle	SSJ2
1-Gang, 1-Duplex	SSJ8	2-Gang, 2-Duplex	SSJ82
1-Gang, 1-Decorator	SSJ26	2-Gang, 2-Decorator	SSJ262
1-Gang, 1-Single Receptacle for 1.36–1.39 in. (34.5–35.3) dia. face	SSJ7	2-Gang, 1-Toggle, 1-Duplex	SSJ18
1-Gang, 1-Single Receptacle for 2.09–2.13 in. (53.1–54.1) dia. face	SSJ723	2-Gang, 1-Toggle, 1-Decorator	SSJ126
1-Gang, 1-Blank, box mount	SSJ13	2-Gang, 2-Blank, box mount	SSJ23
1-Gang, 1-Telephone opening, 0.640 in. (16.3) box mount	SSJ11*	3.50" (88.9)	→

Note: *.50 in. (12.7) I.D. nylon bushing provided. Specifications are subject to change without notice.

> Oversize dimensions (see page N-32 for more details). 1-Gang, 5.25 in. x 3.50 in. (133.4 x 88.9). 2-Gang, 5.25 in. x 5.31 in. (133.4 x 134.9).



Jumbo Wallplate





Pre-Marked "EMERGENCY" Wallplates

		7	Thermoplastic		Metal
Description	Color	Standard	Mid-Size	Material	Catalog Number
1-Gang, 1-Duplex, paint filled white lettering	Red	_	PJ8RMEV	Aluminum Brass Brass Plated Chrome S/S 302/304	- - - - SS8MEV
1-Gang, 1-Toggle, paint filled white lettering	Red	-	PJ1RME	Aluminum Brass Brass Plated Chrome S/S 302/304	- - - - SS1ME
2-Gang, 2 Duplex, paint filled red lettering				Aluminum Brass Brass Plated Chrome S/S 302/304	- - - - SS82MEV

Note: See page N-30 for Mid-Size wallplate dimensions. All lettering .25 in. (6.3) high.

Pre-Marked "ISOLATED GROUND" Wallplates

		Т	hermoplastic		Metal
Description	Color	Standard	Mid-Size	Material	Catalog Number
1-Gang, 1-Duplex, paint filled black	Orange	P8OIG	-	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	- - - - -
1-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole for 1.36–1.39 in. (34.5–35.3) Dia. face, paint filled black	Orange	P7OIG	-	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	- - - - - -
1-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole for 20 and 30A Twist-Lock® with 1.55–1.58 in. (39.4–40.1) Dia. face, paint filled black	Orange	P720OIG	-	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	- - - - -





Stainless Steel Barrel Key Switch Wallplates

Description	1-Gang, with on/off markings	1-Gang, with position markings	2-Gang, with on/off markings	2-Gang, with position markings		
Stainless steel, 302/304, smooth.	SS12RKL	SS12RKLM	SS22RKL	SS22RKLM		

Note: See page D-3 for barrel key switch selection.

Single Count Screws and Accessories

Description	Catalog Number
Stainless steel screw, standard slot, .38 in. (9.7) long.	HBL7341SS
Security spanner head screws, 6-32 thread, 100 count.	HBL7342RKL
Screwdriver with spanner head security bit.	HBL7372RKL





1-Gang Security Wallplates, White

Description	Catalog Number
1-Toggle switch	SWP1
1-Duplex receptacle	SWP8
1-GFCI/Style Line® opening	SWP26
1-Telephone or TV opening .640 in. (16.3)	SWP12
1-Blank	SWP13





2-Gang Security Wallplates, White

Description	Catalog Number
2-Toggle switches	SWP2
2-Duplex receptacles	SWP82
1-Toggle switch, 1-Duplex receptacle	SWP18
2-GFCI/Style Line® openings	SWP262
1-Toggle switch, 1-GFCI/Style Line® opening	SWP126
1-Duplex receptacle, 1-Telephone or TV	SWP812
1-Duplex receptacle, 1-Blank	SWP813
2-Blank	SWP23





SWP82

SWP18

3-Gang Security Wallplates, White

c daily county translates, trinte	
Description	Catalog Number
3-Toggle switches	SWP3
2-Toggle switches, 1-Duplex receptacle	SWP28
3-GFCI/Style Line® openings	SWP263



SWP28

4-Gang Security Wallplates, White

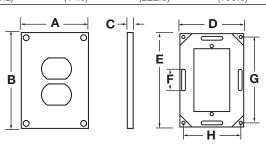
Description		Catalog Number
4-Toggle switches		SWP4



SWP4

Limoncione	ln ala aa (nana)
Dimensions	Inches (mm)

וווופווסווטוו	5 inches (mm)							
Description	Α	В	С	D	E	F	G	Н
1-Gang	3.77"	5.52"	.55"	3.37"	5.13"	1.00"	4.63"	2.88"
	(95.8)	(140.2)	(14.0)	(85.6)	(130.3)	(25.4)	(117.6)	(73.2)
2-Gang	5.52"	5.52"	.55"	5.13"	5.13"	1.00"	4.63"	4.63"
	(140.2)	(140.2)	(14.0)	(130.3)	(130.3)	(25.4)	(117.6)	(117.6)
3-Gang	7.39"	5.52"	.55"	7.00"	5.13"	1.00"	4.63"	6.50"
	(187.7)	(140.2)	(14.0)	(177.8)	(130.3)	(25.4)	(117.6)	(165.1)
4-Gang	9.20"	5.56"	.55"	8.75"	5.13"	1.00"	4.63"	8.30"
	(233.7)	(141.2)	(14.0)	(222.3)	(130.3)	(25.4)	(117.6)	(210.8)



Specifications

Tamper-resistant wallplate 1-gang duplex receptacle shall be of the following construction:

Wallplate: One piece #14 cold rolled zinc plated steel. Wallplate shall have a five stage baked white polyester powder enamel finish. Gloss: 85%; reflectance: 93%; hardness minimum: 2H and pass 600 hour salt spray test.

Back sub-plate: #10 cold rolled galvanized steel. Sub-plate assembly shall use four (4) #8-32 X $\frac{1}{2}$ inch stainless steel T-15 TORX® head screws with center pin reject. Sub-plate must be UL listed to UL 514D and comply with the NEC®.

TORX® is a registered trademark of Textron Inc.
NEC® is a registered trademark of the The National Electrical Code.



Brass Locking Cover Plate

Description	Catalog Number
Locking cover plate for single 15 and 20A straight blade receptacles and 15A Twist-Lock® receptacles.	HBL96067
Straight cylinder type lock, All cylinder locks keyed alike.	

Weather Shield Wallplate

Description	Catalog Number
20° angle wallplate for duplex receptacles.	HBL6187



HBL96067 Shown with receptacle (sold separately)



HBL6187 Shown with receptacle and back box (sold separately)

Catalog Number of Receptacles in Groups A through E below

Gro	oup A	Group B			Group C	Group D	Group E
1.36"	diameter to 1.39" to 35.3)		Boss diameter 1.55" to 1.58" (39.4 to 40.1)		Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Boss diameter 2.09" to 2.13" (53.1 to 54.1)	Boss diameter 2.28" to 2.44" (57.9 to 62.0)
HBL23000HG HBL23030 HBL4560 HBL4710 HBL4760 HBL5251 HBL52CM61 HBL53CM61 HBL5361 HBL5361 HBL5461 HBL5552B	HBL5661 HBL6810 HBL7210B HBL7250 HBL7310B HBL7310BG HBL7535 HBL7582 HBL8210 HBL8310 HBL8410 HBL8440	HBL23CM10 HBL2310 HBL2320 HBL2330 HBL2340 HBL2410 HBL2420 HBL2420 HBL2440 HBL2450 HBL2460 HBL2510 HBL2520	HBL2530 HBL26CM10 HBL2610 HBL2620 HBL2630 HBL2640 HBL2710 HBL2770 HBL2730 HBL2730 HBL2740 HBL2750 HBL2750	HBL2770 HBL2810 HBL2820 HBL2830 HBL3330 HBL3330G HBL3430 HBL3430G HBL3520 HBL7410B HBL7410BG	HBL45105 HBL45205 HBL45305 HBL45905	HBL7962 HBL9350 HBL9308 HBL9315 HBL9360• HBL9365• HBL9367•	HBL7301A HBL8330A HBL8350A HBL8430A HBL8450A HBL8460A HBL9430A HBL9450A HBL9460A

Note: •50A 2P 3W.

Wallplates for Single Receptacles

	Gro	ир А	Gro	ир В	Gro	ир С	Gro	up D	Group E
Description	1.36" t	iameter to 1.39" to 35.3) 2-Gang	1.55" t	iameter o 1.58" o 40.1) 2-Gang	1.68" t	iameter o 1.72" o 43.7) 2-Gang	Boss diameter 2.09" to 2.13" (53.1 to 54.1) 1-Gang 2-Gang		Boss diameter 2.28" to 2.44" (57.9 to 62.0) 2-Gang
Smooth thermoplastic.	P7*	_	P720*	_	_	_	P724*	P703*	_
Cast aluminum.	HBL7320	_	HBL7320	_	HBL3394	_	HBL9419	_	_
Stainless steel, 302/304, smooth.	SS7**	SS72	SS720	_	SS725	-	SS723	SS703	SS701

Note: *See pages N-7 and M-8 for complete wallplate descriptions.

Weatherproof Lift Covers for WDL "Closed" and WDL "Open", Wet Locations, 1-Gang

	Group A	Group B	Group C	Group D		
Description	Boss diameter 1.36" to 1.39" (34.5 to 35.3)	Boss diameter 1.55" to 1.58" (39.4 to 40.1)	Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Boss diameter 2.09" to 2.13" (53.1 to 54.1)	50A Twist-Lock [®] Receptacles	30A 4W Hubbellock® Receptacles
Thermoplastic, with cover "open", gray.	HBL7423WO	HBL7425WOA	HBL7424WO	-	HBL7774WO▲	-
Thermoplastic, with cover "open", yellow.	HBL74CM23WO	HBL74CM25WOA	HBL74CM24WO	_	HBL77CM74WO▲	-
Cast aluminum, with cover "closed".	HBL7420	HBL7420	HBL3393	HBL9420 HBL9425•	HBL7770	HBL20405 [†] HBL20446 [†]

^{**}Catalog number indicated is Stainless Steel, replace "SS" with the following prefix to designate material: "SA" for Anodized Aluminum, "SB" for Solid Brass.

Note: •50A 2P 3W.

At the "CS" versions of 50A Twist-Lock® receptacles will only fit these thermoplastic wallplates.

[†]HBL20446 wallplate painted red for use with HBL20443 only. HBL20405 wallplate is for use with HBL20403 only. See page B-65 for devices.





Weatherproof Thermoplastic Cover For Flanged Inlets and Flanged Receptacles

Catalog Number

For use with 15 and 20A, 2 pole, 2 wire and 2 pole, 3 wire Insulgrip® flanged inlets and flanged receptacles below.

WP1

IP44 SUITABILITY

Straight Blade, 2 pole, 3 wire

Description

Flanged Inlets





Flanged Receptacles

HBL5279C **HBL5379C** HBL5479C **HBL5679C**



Twist-Lock®, 2 pole, 2 wire and 2 pole, 3 wire Flanged Receptacles Flanged Inlets



HBL8815C HBL7524C HBL4716C **HBL4586C** HBL4786C



HBL8809C **HBL7526C** HBL4715C **HBL4585C HBL4785C**



Weatherproof Thermoplastic Cover For Flanged Inlets and Flanged Receptacles

Description				Catalog Number
For use with 20 and 30A, 3, 4, and 5 wire Insulgrip flanged inlets and flanged receptacles below.			WP2	
Twist-Lock®, 2 po Flanged Inlets	ole, 3 wire; 3 pole,	4 wire; 4 pole, 4 wir	e; 4 pole, 5 wire	
400	HBL2315	HBL2445	HBL2635	HBL2765
12 0	HBL2325	HBL2455	HBL2645	HBL2775
Carried Res	HBL2335 HBL2345	HBL2465 HBL2515	HBL2655 HBL2715	HBL2815 HBL2825
- 1	HBL2355	HBL2525	HBL2725	HBL2835
	HBL2415	HBL2535	HBL2735	HBL3325C
	HBL2425	HBL2615	HBL2745	HBL3334C
	HBL2435	HBL2625	HBL2755	HBL7408C
Flanged Recepta	cles			
	HBL2316	HBL2446	HBL2636	HBL2766
A S	HBL2326	HBL2456	HBL2646	HBL2776
100	HBL2336	HBL2466	HBL2656	HBL2816
	HBL2346	HBL2516	HBL2716	HBL2826
	HBL2356	HBL2526	HBL2726	HBL2836
	HBL2416	HBL2536	HBL2736	HBL3326C
	HBL2426	HBL2616	HBL2746	HBL3335C
	HBL2436	HBL2626	HBL2756	HBL7409C



WP2

Weatherproof Thermoplastic Cover For Flanged Inlets 50 Amp CS Series

. c. i iangea imete co i inp co conico	
Description	Catalog Number
For use with 50A locking inlets with trimmed sides only.	HBL7780



HBL7780







HBL7777A

HBL9420

Weatherproof Covers for Receptacles with Face Dia. of 2.28–2.44 in. (57.9–62.0)

Description	Catalog Number
Thermoplastic, 2-gang, wet and damp locations with cover "closed", gray.	HBL7777A▲
Thermoplastic, 2-gang, wet and damp locations with cover "closed", yellow.	HBL77CM77A▲

Weatherproof Covers for Receptacles with Face Dia. of 2.09-2.13 in. (53.1-54.1)

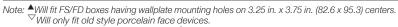
Description	Catalog Number
Cast aluminum, wet locations only when cover "closed" and damp locations.	HBL9420
Cast aluminum, no lift cover. NOT weatherproof.	HBL9419

Weatherproof Covers for 50A Twist-Lock® Single Receptacles

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7774WO*
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL77CM74WO*
Cast aluminum, wet locations only when cover "closed" and damp locations.	HBL7770
Galvanized Steel, fits 4" square or 2-gang box.	HBL50SC**
Stainless steel, single gang, wallplate. NOT weatherproof.	SS750 [*]



Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7428WOG*
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL7428WOY*
Thermoplastic, wet and damp locations with cover "open", red.	HBL7428WOR*
Cast aluminum, wet locations only when cover "closed" and damp locations, lift cover plate.	HBL20405
Cast aluminum, wet locations only when cover "closed" and damp locations, red finish.	HBL20446
Cast aluminum, no lift cover. NOT weatherproof.	HBL20406



^{*}The "CS" versions of 50A Twist-Lock® will only fit these wallplates.

**IP20 Suitability



HBL7774WO

HBL7770

Weatherproof Covers for Single Receptacles on FS/FD Boxes

All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

Accessories

Description	Catalog Number	
Sub-plate for mounting and weatherproofing flanged devices with mounting centers of 1.76", 1.94" or 2.13" such as HBL7556, HBL4716, etc. when used with a HBL7420 or HBL7425WOA type weatherproof covers.	7452°	
Adapter plate for mounting HBL7423WO, HBL7424WO, HBL7425WOA or HBL7420 covers to standard boxes.	HBL7349*	

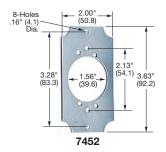
Note: Not UL Listed.



HBL20405



HBL7349



4.56° (115.8) (3.25° (82.6) (147.8) (84.0)

Typical Plate, 1-Gang





Weatherproof Covers for Receptacles with Face Dia. of 1.36–1.39 in. (34.5–35.3)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7423WO
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL74CM23WO
Cast aluminum, wet location only when cover "closed" and damp locations.	HBL7420
Cast aluminum, no lift cover, NOT weatherproof.	HBL7320^



IP44

HBL7423WO

Weatherproof Covers for Switches & Receptacles with Face Dia. of 1.55-1.58 in. (39.4-40.1)

	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7425WOA
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL74CM25WOA
Thermoplastic, wet and damp locations with cover "open", white.	HBL74CM25WOAW
Cast aluminum, wet and damp locations with cover "closed."	HBL7420*
Cast aluminum, no lift cover, NOT weatherproof.	HBL7320*
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7428WOG**
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL7428WOY**
Thermoplastic, wet and damp locations with cover "open", red.	HBL7428WOR**



HBL7425WOA

Weatherproof Covers for Receptacles with Face Dia. of 1.68-1.72 in. (42.7-43.7)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7424WO
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL74CM24WO
Cast aluminum, wet location only when cover "closed" and damp locations.	HBL3393
Cast aluminum, no lift cover, NOT weatherproof.	HBL3394*



HBL7420

Note: *Cast aluminum lift cover with fibershield for standard toggle and PresSwitch® Switches.

- *Features two #6-32 threaded inserts to back mount device to cover.
- ▲IP20 SUITABILITY

All weatherproof lift cover plates on this page are UL Listed as "WDL Closed" for use in wet locations with cover closed and in damp locations.

Weatherproof Covers for Single Receptacles on FS/FD Boxes

All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.



HBL7320

2023 National Electrical Code (NEC®) Requirement

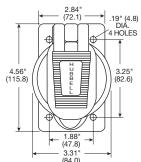
406.9 Receptacles in Damp or Wet Locations.

406.9 Receptacles in Damp or Wet Locations.

(B) Wet Locations

(1) Receptacles of 15 and 20 Amperes in a Wet Location.

Receptacles of 15 and 20 amperes, 125 and 250 volts installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be identified as "extra-duty." Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box hood need not be marked "extra-duty."

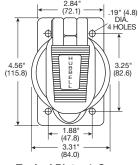


shall be listed and so identified as weather-resistant type. (2) Other Receptacles. All other receptacles installed in a wet location shall comply with 406.9(B)(2)(a) or (B)(2)(b).

(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.

All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles

(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.



Typical Plate, 1-Gang





HBL3393

Dimensions in Inches (mm)

NEC® is a registered trademark of the The National Electrical Code.







HBL1795



HBL1750



HBL1785



HBL7420



HBL96061 Shown with cover and switch (sold separately)



HBLWLC

Weatherproof Wallplates

Description	Catalog Number		
Clear bubble wallplate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes.	HBL1795		

Weatherproof Wallplates

Description	Catalog Number
Gray neoprene PresSwitch® wallplate. Fits FS/FD and standard boxes.	HBL1750*
Same as above except yellow.	HBL17CM50*

Note: *Not UL Listed.

Weatherproof Wallplates

Description	Catalog Number
Gray neoprene PresSwitch® wallplate with 125V red pilot light. Fits only FS/FD boxes.	HBL1785*
Same as above except yellow.	HBL17CM85*

Note: *Not UL Listed.

Weatherproof Covers

Description	Catalog Number
Cast aluminum lift cover with fiber shield. For standard toggle and PresSwitch® switches. Fits only FS/FD boxes.	HBL7420

Brass Locking Covers Attachment for Switches

Description	Catalog Number
Straight keying (all locks alike) appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike.	HBL96061*
Same as above except in dull chrome finish to match stainless steel wallplates.	HBL96061DCH*
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	HBL96062*

Note: *Not UL Listed or CSA Certified.

Locking Device

Description	Catalog Number
Locking device for weatherproof covers.	HBLWLC





Duplex Covers For Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	HBL5221
Thermoplastic, yellow, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	HBL52CM21
Thermoplastic, white, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	HBL52CM21W
Thermoplastic, gray, for device mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	HBL5222
Thermoplastic, yellow, for device mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	HBL52CM22
Die cast aluminum, gray, commercial grade, vertical position, device mount.	4.56" x 2.81" x 0.75" (115.8 x 71.4 x 19.1)	WP8V



IP44 SUITABILITY

HBL5221



WP8V

Duplex Covers For Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Cast aluminum, for device mounting.	2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1)	HBL5205WO
Cast aluminum, for FS/FD box mounting.	2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1)	HBL5206WO
Die cast aluminum, gray, commercial grade, horizontal position, device mount.	2.90" x 4.60" x 0.75" (73.7 x 116.8 x 19.1)	WP8H



HBL5206WO



WP8H

GFCI, Surge and Style Line® Covers

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.84" x 1.27" (115.8 x 72.2 x 32.3)	HBL5226
Die cast aluminum, gray, commercial grade, vertical position, device mount.	4.56" x 2.81" x 0.75" (115.8 x 71.4 x 19.1)	WP26V
Die cast aluminum, gray, commercial grade, horizontal position, device mount.	2.30" x 4.75" x 0.73" (58.4 x 120.7 x 18.5)	WP26H



Toggle Cover

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	HBL5201



Note: All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All cover plates are gasketed and self-closing.





Features and Benefits

Weatherproof Metallic While-In-Use Covers

The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

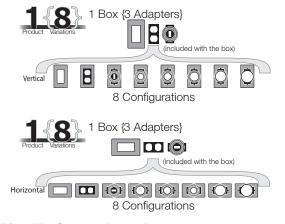
- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- Premium powder coat
- External cord retention chamber
- Each box contains three or six adapters to make a variety of configurations (8 or 55)

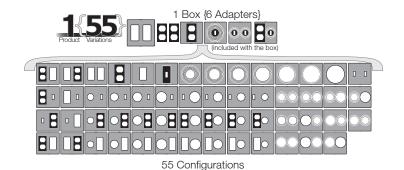




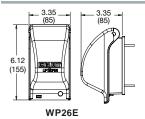
Metallic EXTRA DUTY® While-In-Use Covers

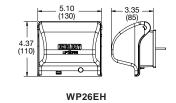
Description	Dimensions Height x Width x Depth	Catalog Number
Heavy duty die-cast aluminum 1-gang box with gray lid for vertical mounting offers superior commercial quality 8-in-1 configurations.	6.12" X 3.37" X 3.5" (155.4 X 85.6 X 89.0)	WP26E
Heavy duty die-cast metal 1-gang box with gray lid for horizontal mounting; 8-in-1 configurations.	4.37" X 5.12" X 3.5" 111.0 X 130.0 X 89.0)	WP26EH
Heavy duty die-cast metal 2-gang box with gray lid for vertical mounting; 55-in-1 configurations.	6.12" X 5.12" X 3.5" (155.4 X 130.0 X 89.0)	WP262E

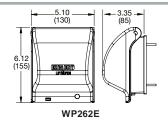




Metallic Cover Dimensions









Features and Benefits

Weatherproof Non-Metallic While-In-Use Covers

The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- High-impact polycarbonate construction provides maximum durability
- Each box contains three or six adapters to make a variety of configurations (16 or 55)



Weather Resistant Recessed Receptacle with While-In Use Cover

Description	Housing Color	Horizontal Mount	Vertical Mount
Weather and tamper-resistant duplex receptacle with clear while-in-use cover, 15A 125V	GRAY	RW15300GY	RW15400GY
	WHITE	RW15300W	RW15400W
	BROWN	RW15300BR	RW15400BR





Non-Metallic While-In-Use Covers

Description		Dimensions Height x Width x Depth	Standard	EXTRA DUTY®
Standard 1-gang box with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations.	1.(16)	5.90" X 4.18" X 2.75" (149.8 X 106.1 X 69.9)	RW57300	RW58300
Extra deep 1-gang box with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations.	1.16)	5.92" X 4.20" X 4.75" (150.4 X 106.7 X 120.7)	RW57350	RW58350
Standard 2-gang box, clear tinted cover, for vertical mounting only; 55-in-1 configurations.	1{55}	5.54" X 5.43" X 2.75" (140.7 X 138.0 X 69.9)	RW57750	RW58750







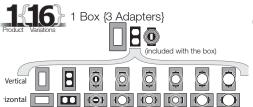
RW57350

RW58350



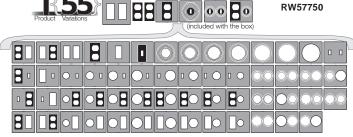


RW58750



16 Configurations

Non-Metallic Cover Dimensions

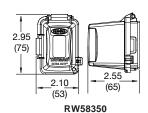


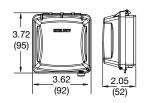
1 Box {6 Adapters}

55 Configurations

3.93 (100)2.00

RW58300





RW58750

Dimensions in Inches (mm)



Features and Benefits

Weatherproof Non-Metallic Recessed While-In-Use Extra Duty Covers

Hubbell has added a unique solution to our weatherproof, non-metallic device cover line up with the Recessed In-Use Extra Duty rated Cover. This is a great alternative for locations to meet the NEC code when space and aesthetics are important.

- · Aesthetically pleasing flat profile
- Meets the Extra Duty rating
- Versatility, it can be installed for new or old work
- Compatibility with all common siding types and materials: vinyl, wood, stucco and brick/block
- Mounted horizontally or vertically
- Includes an electrical box and optional siding flange
- Compatibility with duplex, GFCI and single receptacles (receptacle not included)
- cULus listed product and NEC and NEMA 3R compliant
- Colors available clear cover with gray, white or bronze back housing







Non-Metallic EXTRA DUTY® While-In-Use Covers

Description	Color	Catalog Number
1-Gang Weatherproof Extra Duty Recessed While-In-Use Cover	Clear/Gray Clear/White Clear/Bronze	RW5420CG RW5420CW RW5420CZ

Weatherproof Heavy Cast Aluminum Lockable Cover

Made of heavy cast aluminum that provides high strength. Suitable for industrial and comercial applications.

- Flush enclosure, cover has mounting plate, fits standard 4 inch or 4¹/₁₆ inch electrical box
- Adapter plates for GFCI, duplex, single receptacles or switch
- Rated NEMA 3R
- cULus listed





Weatherproof Heavy Cast Aluminum Lockable Cover

Description	Color	Catalog Number
1-Gang weatherproof 4 in 1 flush enclosure heavy cast aluminum lockable cover.	Aluminum	WP4600



Features and Benefits

Stainless Steel Weatherproof Flip Covers

Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty 316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities.

- Manufactured in heavy duty 316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetic appearance
- · Smooth surfaces to allow ease of cleaning
- Duplex and GFCI versions
- UL Type 3R:
 - Rain-tight and sleet (Ice) resistant
 - Self-closing lid
- UL Type 4X:
 - Watertight, dust-tight and corrosion resistant for wash-down application
 - Latching cover



Industries Commonly Served

- Food and Beverage Production and Distribution
- Chemical Plants
- Water and Wastewater Treatment
- Pharmaceuticals and Cosmetics
- Refining and Extraction Sites

- Petrochemical Operations
- Marine and Coastal Facilities
- Pulp and Paper Mills
- Along with other corrosive environments

1-Gang Stainless Steel Weatherproof Flip Covers

Description	Catalog Number
1 Gang, Stainless Steel Duplex Cover, 3R	HBLSS83R
1 Gang, Stainless Steel GFCl Cover, 3R	HBLSS263R
1 Gang, Stainless Steel Duplex Cover, 4X	HBLSS84X
1 Gang, Stainless Steel GFCI Cover, 4X	HBLSS264X



HBLSS83R

1-Gang Stainless Steel While-In-Use Weatherproof Cover

Description	Catalog Number
1 Gang, Stainless Steel GFCI Cover, 3R	HBLSS26WIS



HBLSS263R

Specifications

Cover	Stainless Steel
Base	Stainless Steel
Hinge Pin	Stainless Steel
Spring	Stainless Steel
Base Gasket	Elastomer
Cover Gasket	Elastomer
Back Gasket	Eva Form
Ground Screw	Steel, Zinc Plated
Mounting Screw	Stainless Steel



HBLSS84X

Product Dimensions

Catalog Number	Height	Width	Depth	Opening
HBLSS83R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS263R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)
HBLSS84X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS264X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)
HBLSS26WIS	6,54" (166,1)	3.70" (93.9)	2.31" (58.7)	7.57" (192.3)



Dimensions in Inches (mm)









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7				

1-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for box mounting.	4.58" x 2.82" x 0.57" (116.3 x 71.6 x 14.5)	RW51470
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	4.56" x 2.81" x 0.88" (115.8 x 71.4 x 22.4)	RW51550*
Zinc die cast, gray, GFCI, Surge and Style Line [®] cover for device mounting.	4.58" x 2.81" x 0.57" (116.3 x 71.4 x 14.5)	RW51040

RW51810

RW51020





RW51520

1-Gang Weatherproof Covers for Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for device mounting.	2.82" x 4.57" x 0.79" (71.6 x 116.1 x 20.1)	RW51810
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	2.81" x 4.56" x 0.99" (71.4 x 115.8 x 25.1)	RW51520*
Zinc die cast, gray, GFCI, Surge and Style Line [®] cover for device mounting.	2.82" x 4.56" x 0.52" (71.6 x 115.8 x 13.2)	RW51020





RW51320

2-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Zinc die cast, gray, duplex cover for device mounting.	4.54" x 4.54" x 0.75" (115.3 x 115.3 x 19.1)	RW51320
Zinc die cast, gray, one duplex/one GFCI, Surge and Style Line [®] cover for box mounting.	4.54" x 4.54" x 0.77" (115.3 x 115.3 x 19.6)	RW51330
Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting.	4.54" x 4.54" x 0.77" (115.3 x 115.3 x 19.6)	RW51380
Zinc die cast, gray, two GFCI, Surge and Style Line® cover for box mounting.	4.54" x 4.56" x 0.73" (115.3 x 115.8 x 18.5)	RW51450





RW51450

RW51380

Note: All weatherproof cover plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. All cover plates are gasketed and self-closing. *cULus Listed.

Screws, 6-32 Thread, 100 Count

Description	Color/Material	Catalog Number
Decorator Wallplate Screws, Oval Head Milled Slot, ³ / ₈ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Black Brown Gray Ivory Light Almond White Stainless Steel	RA38BKPK100 RA38PK100 RA38GYPK100 RA38IPK100 RA38LAPK100 RA38WPK100 RA38SSPK100
Brass plated screw, standard slot, .38 in. (9.7) long.	Brass	HBL7341
Standard Wallplate Screws, Oval Head Milled Slot, ½ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Black Brown Gray Ivory Light Almond White	RA12BKPK100 RA12PK100 RA12GYPK100 RA12IPK100 RA12LAPK100 RA12WPK100
Standard Wallplate Screws, Oval Head Milled Slot, § in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	Stainless Steel	RA58SSPK100
Standard Wallplate Screws, Oval Head Milled Slot, 1.0 in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100).	lvory White Stainless Steel	RA88IPK100 RA88WPK100 RA88SSPK100









RA12IPK100





Single Count Screws and Accessories

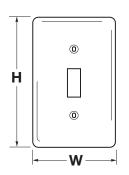
Description	Color	Catalog Number
Blank adapter, to fill a toggle opening.	Brown Ivory White	RA756 RA756I RA756W
Blank adapter, to fill a decorator opening.	Black Gray Ivory Light Almond White	NS620BK NS620GY NS620I NS620LA NS620W
Blank adapter, .406" (10.30) dia. hole, to fill a decorator opening.	lvory Light Almond White	NS621I NS621LA NS621W
Mounting strap, with screws.	Steel	RA40



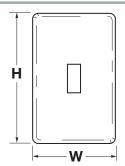




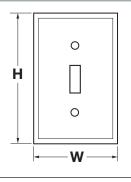
Wallplate Dimensions



Size	Thermoplastic							
	Standard		Mi	d-Size	Jumbo-Size			
	Height	Width	Height	Width	Height	Width		
1-Gang	4.63" (117.6)	2.88" (73.2)	4.94" (125.3)	3.15" (80.0)	5.25" (133.4)	3.50" (88.9)		
2-Gang	4.63" (117.6)	4.69" (119.1)	4.94" (125.3)	5.00" (126.9)	5.25" (133.4)	5.31" (134.9)		
3-Gang	4.63" (117.6)	6.50" (165.1)	4.88" (123.8)	6.75" (171.5)				
4-Gang	4.63" (117.6)	8.31" (211.1)	4.88" (123.8)	8.56" (217.4)				
5-Gang	4.63" (117.6)	10.12" (257.1)						
6-Gang	4.63" (117.6)	11.94" (303.1)						



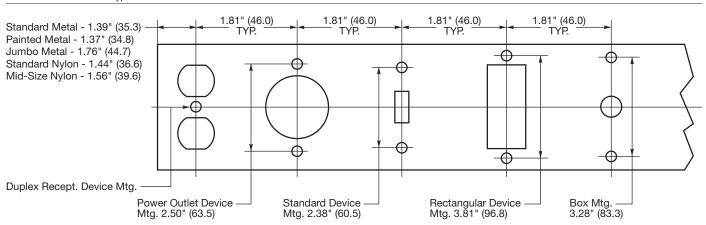
	Snap-On Thermoplastic				
Size	Height	Width	Depth		
1-Gang	4.75" (120.6)	3.00" (76.2)	.25" (6.35)		
2-Gang	4.75" (120.6)	4.81" (122.2)	.25" (6.35)		
3-Gang	4.75" (120.6)	6.62" (168.2)	.25" (6.35)		
4-Gang	4.75" (120.6)	8.44" (214.3)	.25" (6.35)		



	Standard Metal		Painted Metal		Jumbo Metal		
Size	Height	Width	Height	Width	Height	Width	
1-Gang	4.50" (114.3)	2.87" (72.9)	4.50" (114.3)	2.75" (69.8)	5.25" (133.4)	3.50" (88.9)	
2-Gang	4.50" (114.3)	4.60" (116.8)	4.50" (114.3)	4.56" (115.8)	5.25" (133.4)	5.31" (134.9)	
3-Gang	4.50" (114.3)	6.41" (162.8)	4.50" (114.3)	6.38" (162.1)			
4-Gang	4.50" (114.3)	8.22" (208.8)	4.50" (114.3)	8.18" (207.8)			
5-Gang	4.50" (114.3)	10.03" (254.8)	4.50" (114.3)	10.00" (254.0)			
6-Gang	4.50" (114.3)	11.81" (300.0)	4.50" (114.3)	11.81" (300.0)			
7-Gang	4.50" (114.3)	13.68" (347.5)					
8-Gang	4.50" (114.3)	15.44" (392.1)					

Wallplate Openings and Mounting Dimensions

#6-32 Oval Head Screws Typical



Note: Specifications are subject to change without notice.

Custom Metal Wallplates

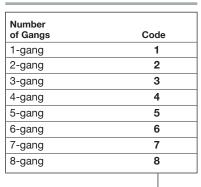
How To Select A Custom Metal Wallplate

Step 1:

Determine wallplate material and enter in box marked "Catalog Number"

Smooth Metal Material Code Anodized Aluminum AL Brass plated steel BP Solid brass BR Chrome plated steel CH Stainless steel 302/304 SS

Determine number of gangs required and enter in box marked "Catalog Number" next to material.



Enter Catalog Number

Step 2: Enter quantity. WC* SS 4

Step 3: Select the custom metal wallplate configuration.

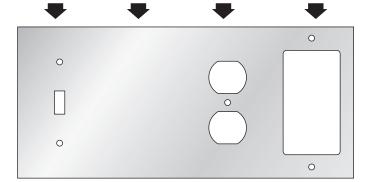
Refer to the custom wallplate configuration chart to select a configuration for each gang in the wallplate. Each configuration has a specific 3-digit code located in the right hand side of the chart on pages N-32 to N-34. Enter this 3-digit configuration code in the corresponding box on the order form grid to match the position required on the finished custom wallplate.

Item No.	Catalog Number	Quantity	Code	Position 1	Position 2	Position 3	Position 4
1	WCSS4		H*	001	149	800	026
2							

Note: *WC and H are preprinted on the distributor order form.

♦ Number to use for pricing.

The 3-digit numbers listed at the upper right of the Sample Order Form (001, 149, etc.) represent the custom metal wallplate selected on the right. See Configuration Chart and Hubbell Configuration Selector Guide on pages N-32 to N-34 or additional configuration choices.

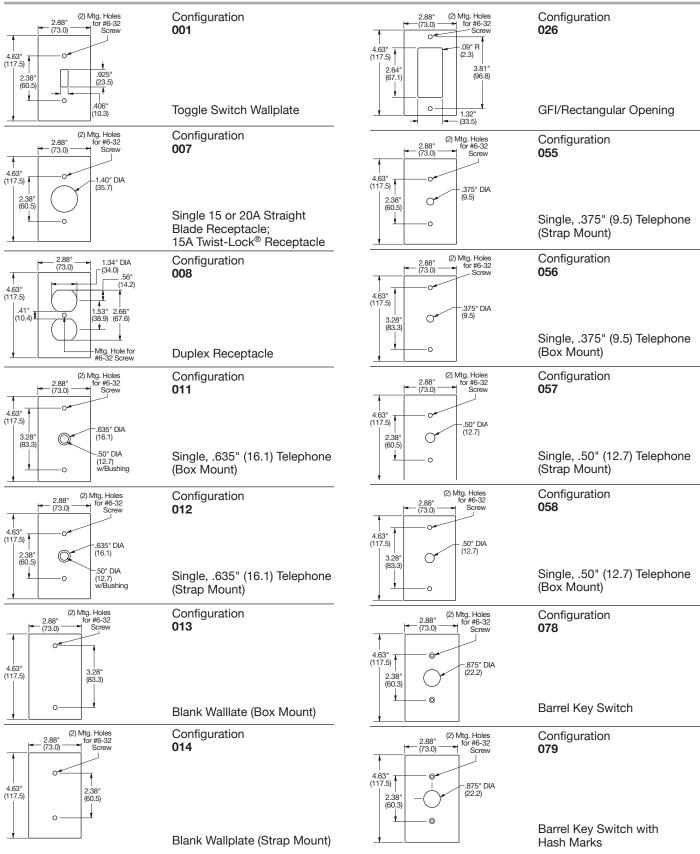


Configuration Chart 001 058 0 Switch. 1-Gang .50" ID (12.7) Hole Box Mounted. 0 0 0 007 078 Single Receptacle. Barrel Key Switch. 1.40" ID (35.6) Hole. () 800 079 Duplex Receptacle. Barrel Key Switch with Hash Marks. 011 080 1-Gang .635" ID (16.1) Barrel Key Switch with OFF ON Hole Box Mounted with 0 ON/OFF and Hash Marks. .50" ID (12.7) Nylon Bushing. 0 012 091 0 1-Gang .635" ID (16.1) Hole Strap Mounted Single Receptacle. incl. Strap with .50" ID (12.7) Nylon Bushing. \bigcirc 1.60" ID (40.5) Hole. 0 013 098 0 Blank Box Mounted. Single Receptacle. 2.16" ID (54.7) Hole. 0 014 135 0 Blank Strap Mounted Vertical Mounted Louver. incl. Strap. 026 0 149 Rectangular Opening. Totally Blank (No Mounting Holes). 0 055 0 1-gang .375" ID (9.5) Hole Coax/Twinax and Modular Jack Openings Strap Mounted incl. Strap. 0 456 0 .375" (9.5) Dia. 0 Round Box Mounted. 056 0 0 1-Gang .375" ID (9.5) Hole 458 0 Box Mounted. .500" (12.7) Dia. 0 Round Box Mounted. 0 411 057 .635" (16.1) Dia. 0 1-Gang .50" ID (12.7) Hole Round Box Mounted. Strap Mounted incl. Strap. 0 0

Note: For detailed dimensions of the above configurations, see pages N-35 and N-36. Available in smooth metal, standard size only up to and including 8-gang type.

Wallplates and Covers

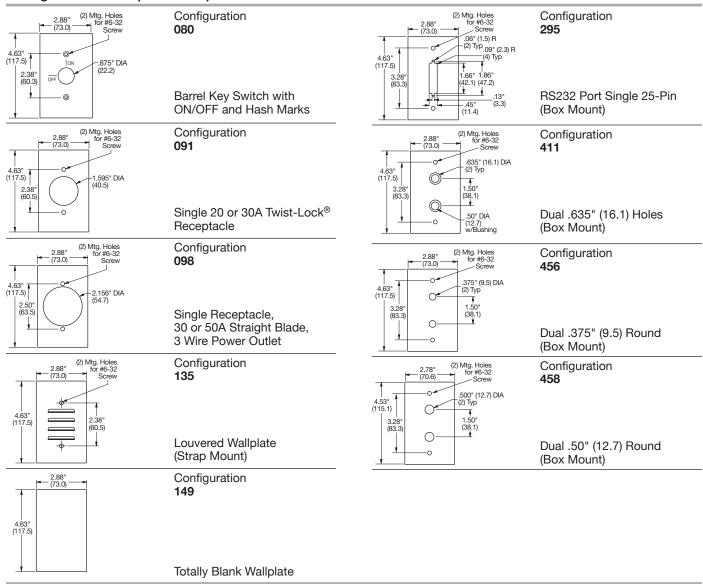
Configuration Chart (Continued)



Note: Specifications are subject to change without notice.

Wallplates and Covers

Configuration Chart (Continued)



Note: Specifications are subject to change without notice.

SECTION O

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SystemOne Recessed Floor Boxes for Concrete Floors



Flush Floor Boxes for Concrete Floors



CONNEXION 2.0 Zone Distribution System



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Floor Boxes ETERNAL™ Series

ETERNAL™ Series Products at a Glance



2-Gang Recessed

The Hubbell SystemOne 2-Gang Recessed Concrete Floor Box offers eight styles, satisfying the requirements of almost any commercial building application. Rectangular or round covers, as well as furniture feed covers, are available in a variety of finishes to blend with any existing or new décor. A parallel-device layout reduces plug interference, maximizing functionality and performance.



4-Gang Recessed

Similar to the 2-Gang Recessed Concrete Floor Box, Hubbell's SystemOne 4-Gang Recessed Concrete Floor Box is available with rectangular or round covers. Ten different styles make it possible to meet the electrical requirements of most commercial projects - new construction or renovation. The parallel device layout maximizes functionality which can be limited when devices are mounted 90° from one another.



The 4/5-Gang box provides a uniform look with rectangular or round covers that are available in several finishes to complement existing décor. Electrical devices are mounted vertically and are mounted to the plate prior to securing it to the box. Four removable knockout plates allows for 2" conduit feed-thru allowing for dual serivce capacity.



6-Gang Recessed

Increased power, data, and AV capacity is what the Hubbell SystemOne 6-Gang Recessed Concrete Floor Box was designed to handle. Four styles allow the floor box to work within almost any commercial application to enhance connectivity. Four removable knockout plates allows for 2" conduit feed-thru. Rectangular and round covers are available in a variety of finishes that work with any aesthetic or finish.



8/10-Gang Recessed

With maximum capacity in a small footprint, the 8/10-Gang box provides a uniform look with rectangular or round covers that are available in several finishes to complement existing décor. Electrical devices are mounted vertically and are mounted to the plate prior to securing it to the box. Four removable knockout plates allows for 2" conduit feed-thru allowing for simple installation of AV cables with pre-connectorized heads and specific bend radius requirements.

Box

- 3.75" deep wiring device chambers
- 14 gauge galvanized sheet metal and PVC and Cast Iron
- Optional fusion-bonded, green epoxy paint for on-grade use
- 3 in. and deeper versions accept field installed metallic 2" threaded hubs
- Patented PVC conduit adapters, CFBHUB200PVC for 2 in. feed-thru and CFBHUB125PVC for 1½" feed-thrucan be used on metal and PVC floorboxes
- Pre-pour and post-pour adjustment
- Patented, labor saving, easy mount device plates
- Exclusive 4-Gang PVC concrete floor boxes can be used for slab on grade and second floor and above concrete floors

Cover

- Available in round and rectangular, recessed and furniture feed styles
- Recessed covers open a full 180°
- Large hide-a-way cable egress doors
- Listed to UL 514A and UL Scrubwater compliant
- Die cast aluminum cover construction
- All covers are ADA compliant





4-Gang PVC Recessed

The exclusive 4-Gang Recessed Concrete PVC Floor Box is available with rectangular or round covers. The unique floor box design can be installed slab on-grade and second floors and above. Box includes external leveling screws. For use with PVC conduits only; with standard PVC terminal adapters or Hubbell's innovative PVC hubs up to 2" conduit.

Floor Boxes ETERNALTM Series

Features and Benefits

SystemOne ETERNAL™ Recessed Floor Boxes for Concrete Floors

Featuring the unique capabilities of Hubbell's SystemOne family design. Hubbell has enhanced and expanded its floor box offering to provide industry leading installation flexibility while accommodating an extensive range of applications. Hubbell SystemOne ETERNAL™ Series products are constructed to address customers personal solutions for today's demanding, power, data and audio/video and for tomorrow's.

Hubbell SystemOne ETERNAL™ Series concrete floorboxes with box depths of 3 inches and larger can be field installed with PVC and metallic hubs for feed-thru wiring. The enhanced box design also provides expanded device capacity and improved installation efficiency. These floorboxes will prove to be as indispensable asset to the building's delivery system infrastructure.



Recessed 4-Gang Floor Boxes





Concrete Pour Pocket Cap

 In concrete applications, all SystemOne Recessed floor boxes include (1) yellow factory installed, field-removable pour pocket cap provides a pocket in the final floor to accept the covers intended for terrazzo, tile, or finished concrete floor. The cap may not be used for carpet, wood or engineered floors



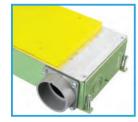
Deep Wiring Chambers

 The ETERNAL™ Series SystemOne Recessed concrete floor boxes have 3.75 inch deep wiring chambers to accommodate larger USB receptacles, AV modules and feed-thru wring



Rectangular Cover Extension Caps

 Pre-pour extension caps allows the floor box to be installed with 1 inch of concrete above the box. Maximum of two yellow caps can be installed on each box. Additional pre-pour caps purchased in packs of twos



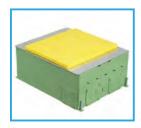
2 Inch Conduit Ready

• To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2 inch conduits with the use of a 2 inch PVC or threaded conduit hub. The offset design allows for less conduit lifting while threading and the hub mounting holes are asymmetrical for installation efficiencies



Round Cover Stackable Rings

 Pre-pour round stackable rings increases box height and concrete pour depth by ¾ in. increments



CR Version

 Corrosion resistant epoxy paint intended for on-grade use, the CR version is coated with fusion-bonded epoxy paint to help prevent corrosion

Selecting a SystemOne ETERNAL™ Recessed Floor Box for Concrete Floors

To assist with the floor box selection process, please have the following information available:

Electrical requirements:	Application:	Cover style:
Power (each electrical device requires one gang) Data/AV (consult manufacturers' specification for size/volume requirements), number required. Add up total number to determine needed capacity. If necessary capacity is not shown round up to next size. Example: 9-Gang rounds up to a 10-Gang floor box	On-grade (OG) Above-grade (AG) Minimum concrete pour depth	Round Rectangular

Once this information is gathered start on the capacity column:

- 1 Capacity: Select necessary box.
- 2 Application: Select the concrete pour depth and on-grade or above-grade application.
- 3 Cover style: Select round or rectangular cover.
- 4 Locate interconnecting point of all three categories and move to right to select correct catalog number.

		Application - Minimum Pour Depth 2						ion		ПO									
		2 ½	ź in.		in.		in.		4 in.		½ in.	6 ½	4 in.	Steel	Corrosion Resistant	PVC	Cast Iron		
		AG	OG	AG	OG	AG	OG	AG	OG	AG	OG	AG	OG	N.	ŎĔ	ď	Ö		
		•												•				CFB2G25E	
			•												•			CFB2G25CRE	
	2-Gang			•										•				CFB2G30E	
	ਕ				•										•			CFB2G30CRE	
	φ					•								•				CFB2G25RE	
	Ö						•								•			CFB2G25RCRE	
								•						•				CFB2G30RE	
									•						•			CFB2G30RCRE	
				•	•	•	•								•	•		CFB4G30PFBE	
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Electrical Requirements - Capacity									•						•		•	CFB4G30RCI	Select Correct Catalog Number
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	, 0												•		•			CFB45G55RCRE	
	D			•										•				CFB6G30E	
	E C				•										•			CFB6G30CRE	
	6-Gang							•						•				CFB6G30RE	
	-9								•						•			CFB6G30RCR	
										•				•				CFB10G55E	
	-(ور										•				•			CFB10G55CRE	
	10- Gang											•		•				CFB10G55RE	
													•	\vdash	•			CFB10G55RCRE	
	Rectangular Rectangular Round Round Rectangular Round			und															
	Cover Style 3																		

Features and Benefits

SystemOne ETERNAL™ Recessed Benefits and Enhancements

Functionality

- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Common door layout regardless of flange for harmonized look
- Meets UL 514A scrubwater requirements with ScrubShield[®] technology
- All SystemOne covers are ADA compliant
- Cables and plugs are protected by recessed connections

Value

- Easy selection with common look for all floor types
- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers

Online Resources

 BIM models, customer drawings and technical specifications are available on www.hubbell-wiring.com







Safety

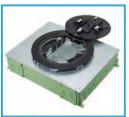
- Flush flange available for tile, finished concrete or Terrazzo
- Surface flange available for carpeted floors with 0.15 in. rise meets ADA requirements
- Hideaway egress doors fold under cover while in use



Family Look



Hubbell SystemOne Recessed
 Floor Box line offers a common look
 regardless of capacity or installation.
 This simple concept ensures a
 consistent look throughout a building
 with rectangular or round covers.
 Round covers lend themselves to
 multi-story buildings also using
 Fire-Rated Poke-Through devices



Service Access

- All covers have 180° opening of main door
- Larger cover openings allows for easier device installation and end user access
- Larger access area makes for effortless device engagement



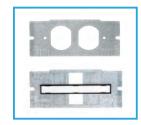
Recessed and Furniture Feed Covers

 Hubbell SystemOne 2, 4, 6 and 10-Gang Recessed Floor Box line offers dynamic installation flexibility. Each box series has rectangular and round cover options with recessed and furniture feed cover capabilities



Pre-Wired Mounting Plates

- Pre-wired duplex, StyleLine[®] and 3- Cube receptacles with 8 in. stranded leads are installed into plates to allow for even more labor savings
- Pre-Wired plates include Tamper Resistant, CONTROLLED and Isolated Ground



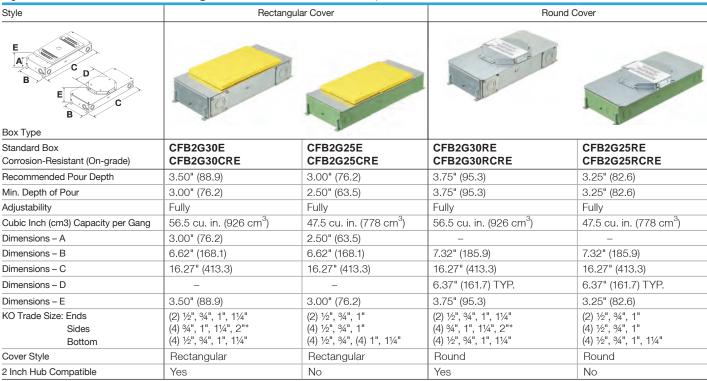
Single Screw Device Mounting Plates

 2, 4 and 6-gang boxes offers line voltage and low voltage device plates with a patented single screw installation which maximizes installation efficiency by reducing install time





SystemOne Recessed 2-Gang Floor Boxes and Covers, for Use In Concrete Floors



Note: UL File Number E31999. Boxes include concrete covers.

Rectangular Covers

- Compatible with CFB2G25, CFB2G25CR, CFB2G30 and CFB2G30CR Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- · Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

	Surface (Cover Dimensions 1111/1	$_{6}$ in. x $7\frac{3}{16}$ in.	Flush Co	over Dimensions $10^{11}/_{16}$	in. x $6\frac{3}{16}$ in.
Finish	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)
Aluminum Powder Coat Black Powder Coat Brass Powder Coat Bronze Powder Coat Satin Nickel Powder Coat	24GCCVRALU 24GCCVRBK 24GCCVRBRS 24GCCVRBRZ 24GCCVRNK	24GCCVRALUC 24GCCVRBKC 24GCCVRBRSC 24GCCVRBRZC 24GCCVRNKC	24GCFFCVRALU 24GCFFCVRBK 24GCFFCVRBRS 24GCFFCVRBRZ 24GCFFCVRNK	24GTCVRALU 24GTCVRBK 24GTCVRBRS 24GTCVRBRZ 24GTCVRNK	24GTCVRALUC 24GTCVRBKC 24GTCVRBRSC 24GTCVRBRZC 24GTCVRNKC	24GTFFCVRALU 24GTFFCVRBK 24GTFFCVRBRS 24GTFFCVRBRZ 24GTFFCVRNK



Aluminum Powder Coat



Black Powder Coat



Brass Powder Coat



Bronze Powder Coat



Satin Nickel Powder Coat



Aluminum Powder Coat

6 Inch Round Covers

- Compatible with CFB2G25R, CFB2G25RCR, CFB2G30R and CFB2G30RCR Series Floor Boxes
- Cover flanges have a 71/2 in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers ship with low voltage dividers

Finish	Flush Surface	Furniture Feed (¾ in. and 2 in. Plugs
Brushed Aluminum	CFBS1R6CVRALU	CFBS1R6FFCVRALU
Black Powder Coat	CFBS1R6CVRBLK	CFBS1R6FFCVRBLK
Brass Plated	CFBS1R6CVRBRS	CFBS1R6FFCVRBRS
Antique Bronze Plated	CFBS1R6CVRBRZ	CFBS1R6FFCVRBRZ
Gray Powder Coat	CFBS1R6CVRGRY	CFBS1R6FFCVRGRY
Satin Nickel Plated	CFBS1R6CVRNKL	CFBS1R6FFCVRNKL





Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover. See page P5 for round cover finishes.

^{*}Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 11/4" PVC condits.





SystemOne Recessed 4-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectang	ular Cover	Round Cover		
E D D D D D D D D D D D D D D D D D D D					
Box Type		T · · · ·		T	
Standard Box Corrosion-Resistant (On-grade)	CFB4G30E CFB4G30CRE	CFB4G25E CFB4G25CRE	CFB4G30RE CFB4G30RCRE	CFB4G25RE CFB4G25RCRE	
Recommended Pour Depth	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)	
Min. Depth of Pour	3.00" (76.2)	2.50" (63.5)	3.75" (95.3)	3.25" (82.6)	
Adjustability	Fully	Fully	Fully	Fully	
Cubic Inch (cm3) Capacity per Gang	51.0 cu. in. (835.0 cm ³)	41.5 cu. in. (680.0 cm ³)	51.0 cu. in. (835.0 cm ³)	41.5 cu. in. (680.0 cm ³)	
Dimensions – A	3.00" (76.2)	2.50" (63.5)	_	_	
Dimensions – B	11.33" (276.5)	11.20" (284.5)	11.20" (284.5)	11.20" (284.5)	
Dimensions – C	14.57" (370.1)	14.57" (370.1)	14.57" (370.1)	14.57" (370.1)	
Dimensions – D	_	-	8.37" (212.5) TYP.	8.37" (212.5) TYP.	
Dimensions – E	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)	
KO Trade Size: Ends Sides Bottom	(4) ½", ¾", 1", 1½" (4) ¾", 1", 1½", 2"* (4) ½", ¾", 1", 1½"	(4) ½", ¾", 1" (4) ½", ¾", 1" (4) ½", ¾", (4) 1", 1¼"	(4) ½", ¾", 1", 1½" (4) ¾", 1", 1½", 2"* (4) ½", ¾", 1", 1½"	(4) ½", ¾", 1" (4) ½", ¾", 1" (4) ½", ¾", (4) 1", 1¼"	
Cover Style	Rectangular	Rectangular	Round	Round	
2 Inch Hub Compatible	Yes	No	Yes	No	

Note: UL File Number E31999. Boxes include concrete covers.

Rectangular Covers

- Compatible with CFB4G25, CFB4G25CR, CFB4G30 and **CFB4G30CR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- · Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

	Surface (Cover dimensions 11^{11}	₆ in. x 7 ³ / ₁₆ in.	Flush Co	over dimensions $10^{11}/_{16}$	in. $x 6^{3}/_{16}$ in.
Finish	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)
Aluminum Powder Coat Black Powder Coat Brass Powder Coat Bronze Powder Coat Satin Nickel Powder Coat	24GCCVRALU 24GCCVRBK 24GCCVRBRS 24GCCVRBRZ 24GCCVRNK	24GCCVRALUC 24GCCVRBKC 24GCCVRBRSC 24GCCVRBRZC 24GCCVRNKC	24GCFFCVRALU 24GCFFCVRBK 24GCFFCVRBRS 24GCFFCVRBRZ 24GCFFCVRNK	24GTCVRALU 24GTCVRBK 24GTCVRBRS 24GTCVRBRZ 24GTCVRNK	24GTCVRALUC 24GTCVRBKC 24GTCVRBRSC 24GTCVRBRZC 24GTCVRNKC	24GTFFCVRALU 24GTFFCVRBK 24GTFFCVRBRS 24GTFFCVRBRZ 24GTFFCVRNK



Aluminum Powder Coat



Black Powder Coat



Brass Powder Coat



Bronze Powder Coat



Satin Nickel Powder Coat



Aluminum Powder Coat

8 Inch Round Covers

- Compatible with CFB4G25R, CFB4G25RCR, CFB4G30R, and **CFB4G30RCR** Series Floor Boxes
- Cover flanges have a 91/2 in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

Plugs)

Finish	Flush Surface	Furniture Feed (1 in. and 2 in.
Brushed Aluminum	CFBS1R8CVRALU	CFBS1R8FFCVRALU**
Black Powder Coat	CFBS1R8CVRBLK	CFBS1R8FFCVRBLK**
Brass Plated	CFBS1R8CVRBRS	CFBS1R8FFCVRBRS**
Antique Bronze Plated	CFBS1R8CVRBRZ	CFBS1R8FFCVRBRZ**
Gray Powder Coat	CFBS1R8CVRGRY	CFBS1R8FFCVRGRY**
Satin Nickel Plated	CFBS1R8CVRNKL	CFBS1R8FFCVRNKL**





^{*}Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 11/4" PVC condits.

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

** For 4-gang box dual service, CFBS1R8FF4GDIVKIT required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes.





SystemOne Recessed 4-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	PVC I	Boxes	Cast Iron Boxes			
Box Type						
PVC Base Box (On-grade)	CFB4G30PFBE	CFB4G30PFBRE	_	_		
Cast Iron Box (On-grade)	-	-	CFB4G30CI	CFB4G30RCI		
Recommended Pour Depth	3.75" (95.3)	4.00 (101.6)	3.75" (95.3)	4.00" (101.6)		
Min. Depth of Pour	3.25" (82.6)	4.00 (101.6)	3.25" (82.6)	4.00" (101.6)		
Adjustability	Fully	Fully	Fully	Fully		
Cubic Inch (cm3) Capacity per Gang	51.0 cu. in. (835.0 cm ³)	51.0 cu. in. (835.0 cm ³)	30.0 cu. in. (491.7 cm ³)	30.0 cu. in. (491.7 cm ³)		
Dimensions – A	3.25" (82.6)	_	3.25" (82.6)	_		
Dimensions – B	11.20" (284.5)	11.20" (284.5)	11.44" (290.5)	11.44" (290.5)		
Dimensions – C	15.70" (398.8)	15.70" (398.8)	13.19" (335.1)	13.19" (335.1)		
Dimensions – D	_	8.37" (212.5) TYP.		8.37" (212.5) TYP.		
Dimensions – E	3.75" (95.3)	4.00 (101.6)	3.75" (95.3)	4.00" (101.6)		
KO Trade Size: Ends	_	_	(4) 11/2" NPT Thread	(4) 11/2" NPT Thread		
KO Trade Size: Sides	Requires Drilling Openings. PVC Conduit Only: 11/4" Maximum Size *	Requires Drilling Openings. PVC Conduit Only: 11/4" Maximum Size *	(4) ¾" NPT Thread	(4) %" NPT Thread		
KO Trade Size: Bottom	Requires Drilling Openings. PVC Conduit Only: 1½" Maximum Size	Requires Drilling Openings. PVC Conduit Only: 1½" Maximum Size	_	_		
Cover Style	Rectangular	Round	Rectangular	Round		
2 Inch Hub Compatible	Yes	Yes	No	No		

Note: UL File Number E31999. Boxes include concrete covers.

Rectangular Covers

- Compatible with CFB4G25, CFB4G25CR, CFB4G30 and CFB4G30CR Series Floor Boxes CFB4G30PFBE
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

Surface Cover dimensions $11^{11}/_{16}$ in. x $7^{3}/_{16}$ in.					Flush Cover dimensions $10^{11}/_{16}$ in. x $6^{3}/_{16}$ in.			
Finish	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)		
Aluminum Powder Coat Black Powder Coat Brass Powder Coat Bronze Powder Coat Satin Nickel Powder Coat	24GCCVRALU 24GCCVRBK 24GCCVRBRS 24GCCVRBRZ 24GCCVRNK	24GCCVRALUC 24GCCVRBKC 24GCCVRBRSC 24GCCVRBRZC 24GCCVRNKC	24GCFFCVRALU 24GCFFCVRBK 24GCFFCVRBRS 24GCFFCVRBRZ 24GCFFCVRNK	24GTCVRALU 24GTCVRBK 24GTCVRBRS 24GTCVRBRZ 24GTCVRNK	24GTCVRALUC 24GTCVRBKC 24GTCVRBRSC 24GTCVRBRZC 24GTCVRNKC	24GTFFCVRALU 24GTFFCVRBK 24GTFFCVRBRS 24GTFFCVRBRZ 24GTFFCVRNK		



Aluminum Powder Coat



Black Powder Coat



Brass Powder Coat



Bronze Powder Coat



Satin Nickel Powder Coat



Aluminum Powder Coat

8 Inch Round Covers

- Compatible with CFB4G25R, CFB4G25RCR, CFB4G30R, and CFB4G30RCR Series Floor Boxes CFB4G30PFBRE
- Cover flanges have a 91/2 in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

Finish	Flush Surface	Furniture Feed (1 in. and 2 in. Plugs)
Brushed Aluminum	CFBS1R8CVRALU	CFBS1R8FFCVRALU**
Black Powder Coat	CFBS1R8CVRBLK	CFBS1R8FFCVRBLK**
Brass Plated	CFBS1R8CVRBRS	CFBS1R8FFCVRBRS**
Antique Bronze Plated	CFBS1R8CVRBRZ	CFBS1R8FFCVRBRZ**
Gray Powder Coat	CFBS1R8CVRGRY	CFBS1R8FFCVRGRY**
Satin Nickel Plated	CFBS1R8CVRNKL	CFBS1R8FFCVRNKL**





^{*}Requires PVC Hubs, CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 11/4" PVC condits.

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

** For 4-gang box dual service, **CFBS1R8FF4GDIVKIT** required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes. Dimensions in Inches (mm)





SystemOne Recessed 6-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectango	ular Cover	Round Cover	
Box Type				
Standard Box Corrosion-Resistant Box (On-grade)	CFB6G30E	- CFB6G30CRE	CFB6G30RE	CFB6G30RCRE
Recommended Pour Depth	3.50" (88.9)	3.50" (88.9)	3.75" (95.3)	3.75" (95.3)
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.75" (95.3)	3.75" (95.3)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm3) Ends- Capacity/Gang	108.5 cu. in. (1778 cm ³)			
Cubic Inch (cm3) Sides- Capacity/Gang	33.0 cu. in. (510 cm ³)			
Dimensions – A	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Dimensions – B	11.54" (293.0)	11.54" (293.0)	11.54" (293.0)	11.54" (293.0)
Dimensions – C	19.68" (499.9)	19.68" (499.9)	19.68" (499.9)	19.68" (499.9)
Dimensions – D	_	_	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	3.50" (88.9)	3.50" (88.9)	3.75" (95.3)	3.75" (95.3)
KO Trade Size: Ends	(4) 1/2", 3/4", 1", 11/4"	(4) ½", ¾", 1", 1¼"	(4) 1/2", 3/4", 1", 11/4"	(4) ½", ¾", 1", 1¼"
Sides	(4) 34", 1", 11/4", 2"*, (4) 1/2", 3/4"	(4) 34", 1", 11/4", 2"*, (4) 1/2", 3/4"	(4) 3/4", 1", 11/4", 2"*, (4) 1/2", 3/4"	(4) 34", 1", 11/4", 2"*, (4) 1/2", 3/4"
Bottom	(4) 1/2", 3/4", 1", 11/4", (4) 1/2", 3/4"	(4) 1/2", 3/4", 1", 11/4", (4) 1/2", 3/4"	(4) 34", 1", 11/4", 11/2", (4) 1/2", 3/4"	(4) 3/4", 1", 11/4", 11/2", (4) 1/2", 3/4"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	Yes	Yes	Yes

Note: UL File Number E31999. Boxes include concrete covers.

*Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 11/4" PVC condits.

Rectangular Covers

- Compatible with CFB6G30 and CFB6G30CR Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers dividers purchased separately

	Surface Cover Dimensions 11½ in. x 10 in.			Flush	Cover Dimensions 10	∕₂ in. x 9 in.
Finish	Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)	Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)
Aluminum Powder Coat Black Powder Coat Brass Powder Coat Bronze Powder Coat Satin Nickel Powder Coat	610GCCVRALU 610GCCVRBK 610GCCVRBRS 610GCCVRBRZ 610GCCVRNK	610GCCVRBKC 610GCCVRBRSC 610GCCVRBRZC	610GCFFCVRALU* 610GCFFCVRBK* 610GCFFCVRBRS* 610GCFFCVRBRZ* 610GCFFCVRNK*	610GTCVRBK 610GTCVRBRS 610GTCVRBRZ	610GTCVRBKC 610GTCVRBRSC 610GTCVRBRZC	610GTFFCVRALU* 610GTFFCVRBK* 610GTFFCVRBRS* 610GTFFCVRBRZ* 610GTFFCVRNK*

Note: * For 6-gang box dual service, **CFB6FFDIVKIT** required with Furniture Feed covers. Purchased separately.



Aluminum Powder Coat



Black Powder Coat



Brass Powder Coat



Powder Coat



Satin Nickel Powder Coat



Aluminum Powder Coat

8 Inch Round Covers

- Compatible with CFB6G30R and CFB6G30RCR Series Floor Boxes
- Cover flanges have a 9½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Finish Flush Surface Furniture Feed covers dividers purchased separately Funiture Feed (1 in.and 2 in. Plugs)

	1 10011 0011000	1 annitare 1 eea (1 maria 2 mil 1 age)	
Brushed Aluminum	CFBS1R8CVRALU	CFBS1R8FFCVRALU**	
Black Powder Coat	CFBS1R8CVRBLK	CFBS1R8FFCVRBLK**	
Brass Plated	CFBS1R8CVRBRS	CFBS1R8FFCVRBRS**	
Antique Bronze Plated	CFBS1R8CVRBRZ	CFBS1R8FFCVRBRZ**	
Gray Powder Coat	CFBS1R8CVRGRY	CFBS1R8FFCVRGRY**	
Satin Nickel Plated	CFBS1R8CVRNKL	CFBS1R8FFCVRNKL**	





Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

^{**} For 6-gang box dual service, **CFBS1R8FF6GDIVKIT** required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes.





Plates for Use in SystemOne 2, 4 and 6-Gang Floor Boxes

UL 514A listed

Cat. No.	Plate Style	Cat. No.	Plate Style
FBMPREC ①	(1) Decorater Opening	FBMPDUP ②	(1) Duplex Opening
FBMP139	(1) Simplex Opening 1.40 in. Diameter	FBMP156	(1) Twist-Lock® Opening 1.60 in. Diameter
FBMP6DJ @	(1) Hubbell Keystone Jack Openings and (4) Jack KOs with Label Field	FBMP6KS (5)	(1) Opening with Hubbell 6-Port Frame for Keystone Jacks Frame for Keystone Jacks
FBMP15IM	(1) 1.5U Hubbell iStation Opening	FBMP2IM	(2) 1U Hubbell iStation Openings
FBMPBNK ③	1-Gang Blank Plate	FBMPFT	Cable Feed Though with Bushing
FBMPAAP	(2) Extron [®] AAP Openings	FBMPMAAP	(2) Extron® MAAP Openings
FBMPTRAC	(1) Opening for Tracjack [®] or Seies II [®]	FBMPSIEMONCT	Siemon CT Series









Pre-Wired Device Plates

- Reduces wiring and installation times
- 8 in. stranded leads mounted to the face plate

Description	Туре	20A
Duplex, Gray.	Standard Tamper-Resistant	PWFBMPCR20GRY (6) PWFBMPCR20GRYTR
Decorator, Gray.	Standard Tamper-Resistant	PWFBMPDR20GRY PWFBMPDR20GRYTR
2-Cubes,Single Circuit	Standard Marked Controlled	PWFBMP2R* PWFBMP2RC*
3-Cubes,Single Circuit	Standard Marked Controlled	PWFBMP3R* PWFBMP3RC* ⑦

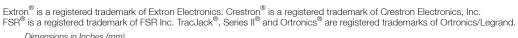


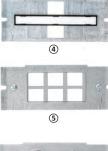
Accessories

Description		Catalog Number		
(1) 2" threaded zinc hub for use with CFB2G30, CFB4G30 a series floor boxes; replaces CFBKOPLATE.	(1) 2" threaded zinc hub for use with CFB2G30, CFB4G30 and CFB6G30 series floor boxes; replaces CFBKOPLATE.			
(2) 1-1/4" PVC hubs with reducers for use with CFB2G30, C boxes; replaces CFBKOPLATE. Reducers includes: (2) 1" R and (2) 1/2" Reducers/Plugs.		CFBHUB125PVC		
(2) 2" PVC hubs with reducers for use with CFB2G30, CFB4 replaces CFBKOPLATE. Reducers includes: (2) 1-1/2" Reducend (2) 1" Reducers/Plugs.		CFBHUB200PVC ®		
Replacement knock-out plate.	Standard Epoxy Coating	CFBKOPLATE CFBKOPLATECR		
ETERNAL™ Replacement Round Cover Adapter, 2-Gang F	CFB2GS1R6ADAPTE			
ETERNAL™ Replacement Round Cover Adapter, 4-Gang F	CFB4GS1R8ADAPTE			
ETERNAL™ Replacement Round Cover Adapter, 6-Gang F	CFB6GS1R8ADAPTE			
CFB4G box series replacement dividers. CFB6G box series replacement dividers.		CFB4GDIVKIT CFB6GEDIVKIT		
Stackable ring to increase box height and concrete	2-Gang	4 and 6-Gang		
pour depth by % in. increments above top plane of floor box. One ring per % in. depth increase. Must be installed before concrete pour.	CFB6RCVRR075	CFB8RCVRR075		
Finished floor height adjustment ring - increase 0 - ¼ in post pour adjustment; use with round cover series. ½ in ½ in		CFB8RCVRR1** CFB8RCVRR2 CFB8RCVRR3		
	2 and 4-Gang	6-Gang		
Rectangular pre-pour ½ in. extension caps (2 pack).	24GEXTENDCAP2PK ①	610GEXTENDCAP2PK		
Replacement temporary rectangular steel and yellow concr pre-pour covers	ete 24GTEMPCVR	610GTEMPCVR		

Note: *Included with standard CFB2G30R and CFB2G25R series floor boxes.

^{**}Included with standard CFB4G30R, CFB4G25R and CFB6G30R series floor boxes.





















SystemOne Recessed 4/5-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectanç	Rectangular Cover		d Cover
E B C C				
Box Type				
Standard Box Corrosion-Resistant Box (On-grade)	CFB45G55E	CFB45G55CRE	CFB45G55RE	- CFB45G55RCRE
Recommended Pour Depth	6.00" (152.4)	6.00" (152.4)	6.25" (158.8)	6.25" (158.8)
Min. Depth of Pour	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm3) Capacity per Gang	99/105 cu. in.	99/105 cu. in.	99/105 cu. in.	99/105 cu. in.
	(1621/1721 cm ³)	(1621/1721 cm ³)	(1621/1721 cm ³)	(1621/1721 cm ³)
Dimensions – A	5.59" (142.0)	5.59" (142.0)	_	_
Dimensions – B	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)
Dimensions – C	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)
Dimensions – D	_	_	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)
KO Trade Size: Ends Sides Bottom	(2) 34", 1", 11/4", 2"* (2) 34", 1", 11/4", 2"* (2) 1/2", 34", 1", 11/4"	(2) 3/4", 1", 11/4", 2"* (2) 3/4", 1", 11/4", 2"* (2) 1/2", 3/4", 1", 11/4"	(2) ¾", 1", 1¼", 2"* (2) ¾", 1", 1¼", 2"* (2) ½", ¾", 1", 1¼"	(2) ¾", 1", 1¼", 2"* (2) ¾", 1", 1¼", 2"* (2) ½", ¾", 1", 1¼"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	Yes	Yes	Yes

Note: UL File Number E31999. Boxes include concrete covers.

Rectangular Covers

- Compatible with CFB45G55E and CFB45G55CRE
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors

	Cover Dim	ensions 11½ in. x 10 in.	Cover Dimensions 10½ in. x 9 in.		
Finish	Surface	Surface with Insert	Flush	Flush with Insert	
Aluminum Powder Coat	610GCCVRALU	610GCCVRALUC	610GTCVRALU	610GTCVRALUC	
Black Powder Coat	610GCCVRBK	610GCCVRBKC	610GTCVRBK	610GTCVRBKC	
Brass Powder Coat	610GCCVRBRS	610GCCVRBRSC	610GTCVRBRS	610GTCVRBRSC	
Bronze Powder Coat	610GCCVRBRZ	610GCCVRBRZC	610GTCVRBRZ	610GTCVRBRZC	
Satin Nickel Powder Coat	610GCCVRNK	610GCCVRNKC	610GTCVRNK	610GTCVRNKC	



Aluminum Powder Coat



Black Powder Coat



Brass Powder Coat



Bronze Powder Coat



Satin Nickel Powder Coat

8 Inch Round Covers

- Compatible with CFB45G55RE and CFB45G55RCRE
- Cover flanges have a 9½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors

Finish	Surface	
Brushed Aluminum	CFBS1R8CVRALU	
Black Powder Coat	CFBS1R8CVRBLK	
Brass Plated	CFBS1R8CVRBRS	
Antique Bronze Plated	CFBS1R8CVRBRZ	
Gray Powder Coat	CFBS1R8CVRGRY	
Satin Nickel Plated	CFBS1R8CVRNKL	

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover. See page Q5 for round cover finishes.



^{*}Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 11/4" PVC condits.





SystemOne Recessed 8[†]/10-Gang Floor Boxes and Covers, for Use In Concrete Floors

Style	Rectangular Cover		Round Cover		
Box Type			0 0		
Standard Box	CFB10G55E	_	CFB10G55RE	_	
Corrosion-Resistant Box (On-grade)	_	CFB10G55CRE	_	CFB10G55RCRE	
Recommended Pour Depth	6.00" (152.4)	6.00" (152.4)	6.25" (158.8)	6.25" (158.8)	
Min. Depth of Pour	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)	
Adjustability	Fully	Fully	Fully	Fully	
Cubic Inch (cm3) Capacity per Gang	35.0/69.5/99.0 cu. in.	35.0/69.5/99.0 cu. in.	35.0/69.5/99.0 cu. in.	35.0/69.5/99.0 cu. in.	
	(574/1139/1622 cm ³)				
Dimensions – A	5.59" (142.0)	5.59" (142.0)	_	_	
Dimensions – B	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)	
Dimensions – C	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)	
Dimensions – D	_	_	8.37" (212.5) TYP.	8.37" (212.5) TYP.	
Dimensions – E	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)	
KO Trade Size: Ends Sides Bottom	(2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½" (2) ¾", 1", 1¼", 2"** (2) ½", ¾", (4) ½", ¾", 1", 1¼"	(2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½" (2) ¾", 1", 1¼", 2"** (2) ½", ¾", (4) ½", ¾", 1", 1¼"	(2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½" (2) ¾", 1", 1¼", 2"** (2) ½", ¾", (4) ½", ¾", 1", 1¼"	(2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½" (2) ¾", 1", 1¼", 2"** (2) ½", ¾", (4) ½", ¾", 1", 1¼"	
Cover Style	Rectangular	Rectangular	Round	Round	
2 Inch Hub Compatible	Yes	Yes	Yes	Yes	

Note: **Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 11/4" PVC condits.

Rectangular Covers

- Compatible with CFB10G55 and CFB10G55CR Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers dividers purchased separately

Aluminum Powder Coat Black Powder Coat Brass Powder Coat Bronze Powder Coat Bronze Powder Coat Black Powder Coat Bronze Powder		Surface Cover Dimensions 11½ in. x 10 in.			Flush Cover Dimensions 10½ in. x 9 in.		
Black Powder Coat Brass Powder Coat Bronze Powder C	Finish	Without Insert	With Insert		Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)
Satin Nickel Powder Coat 610GCCVRNK 610GCCVRNKC 610GCFFCVRNK* 610GTCVRNK 610GTCVRNKC 610GTFFCVF	Aluminum Powder Coat Black Powder Coat Brass Powder Coat Bronze Powder Coat Satin Nickel Powder Coat	610GCCVRBK 610GCCVRBRS 610GCCVRBRZ	610GCCVRBKC 610GCCVRBRSC 610GCCVRBRZC	610GCFFCVRBK* 610GCFFCVRBRS* 610GCFFCVRBRZ*	610GTCVRBK 610GTCVRBRS 610GTCVRBRZ	610GTCVRBKC 610GTCVRBRSC 610GTCVRBRZC	610GTFFCVRBK* 610GTFFCVRBRS* 610GTFFCVRBRZ*

Note: * For 10-gang box dual service,

CFB10FFDIVKIT

required with Furniture Feed covers. Purchased separately.



Aluminum Powder Coat



Black Powder Coat



Brass Powder Coat



Powder Coat



Satin Nickel Powder Coat



Aluminum Powder Coat

8 Inch Round Covers

- Compatible with CFB10G55R and CFB10G55RCR Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

Finish	Flush Surface	Furniture Feed (1 in.and 2 in. Plugs)
Brushed Aluminum	CFBS1R8CVRALU	CFBS1R8FFCVRALU#
Black Powder Coat	CFBS1R8CVRBLK	CFBS1R8FFCVRBLK [#]
Brass Plated	CFBS1R8CVRBRS	CFBS1R8FFCVRBRS#
Antique Bronze Plated	CFBS1R8CVRBRZ	CFBS1R8FFCVRBRZ#
Gray Powder Coat	CFBS1R8CVRGRY	CFBS1R8FFCVRGRY#
Satin Nickel Plated	CFBS1R8CVRNKL	CFBS1R8FFCVRNKL#





Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

For 10-gang box dual service, **CFBS1R8FF10GDIVKIT** required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes the Number E31999. Boxes include concrete covers. FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.





Plates for Use in SystemOne 4/5 & 8*/10-Gang Floor Boxes

UL 514A listed

Cat. No.	Plate Style	Cat. No.	Plate Style
FB10MPREC ①	(1) Decorater Opening	FB10MPDUP ②	(1) Duplex Opening
FB10MPBNK	1-Gang Blank Plate	FB10MPKEY	(1) Opening with Hubbell 6-Port Frame for Keystone Jacks Frame for Keystone Jacks
FB10MPTRAC	(2) Openings for (6) Ortronics TracJack®	FB10MPFT	Cable Feed Through with Bushing
Cat. No	Two Gang Plate Style	Cat. No	Two Gang Plate Style
FB10MP2A ③	Decorator Openings	FB10MP2E @	Duplex Openings
FB10TLX	(1) Simplex Opening 1.40 in. Diameter	FB10TLA	(1) Twist-Lock® Opening 1.60 in. Diameter
FB10MP2B	(6) 1U Hubbell iStation Modules	FB10MPMAAP	Siemon CT Series
FB10MPAAP	(4) Extron [®] AAP Openings		
Cat. No	Three Gang Plate Style	Cat. No	Three Gang Plate Style
FB10TLY	(2) Simplex Opening 1.40 in. Diameter	FB10TLB	(3) Twist-Lock® Opening 1.60 in. Diameter
FB10MP3GAPP ⑤	(1) Opening for Applicance Receptacle, re	quries 2-Gang indu	stry plate for trim out
Cat. No	Five Gang Plate Style	Cat. No	Five Gang Plate Style
FB10TLC	(3) Simplex Opening 1.40 in. Diameter	FB10TLZ	Twist-Lock® Opening 1.60 in. Diameter
FB10MPNEMA2XG	(2) 2-Gang. Meets NEMA Spacing. Ideal for Crestron [®] DM —TX Product and Power. Ships with Low Voltage Divider.	FB10MPNEMA4G	(4) Single Service Openings Utilizing NEMA Wallplate. (No Low Voltage Divider Option)

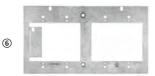




Note: *Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.











Pre-Wired Device Plates

- Reduces wiring and installation times
- 8 inch stranded leads mounted to the face plate

Description	Type	20A
Duplex, Gray.	Standard Tamper-Resistant	PWFB10MPCR20GRY PWFB10MPCR20GRYTR
Decorator, Gray.	Standard Tamper-Resistant	PWFB10MPDR20GRY ® PWFB10MPDR20GRYTR





Replacement divider.

Accessories		8		
Description		Catalog Number		
(1) 2" threaded zinc hub for use with CFB45G55 and CFB10 series floor boxes; replaces CFBKOPLATE.	G55	CFBHUB2		
(2) 1-1/4" PVC hubs with reducers for use with CFB45G55 a CFBKOPLATE . Reducers include: (2) 1" reducer, (2) 3/4" red	, · ·	CFBHUB125PVC		
(2) 2" PVC hubs with reducers for use with CFB45G55 and CCFBKOPLATE . Reducers include: (2) 1-1/2" reducers, (2) 1-	· 1	CFBHUB200PVC ®		
Replacement knock-out plates.	ock-out plates. Standard Expoxy Coating			
ETERNAL™ Replacement Round Cover Adapter, 10-gang F	CFB4510GS1R8ADAPTE			
Stackable ring to increase box height and concrete pour deport of floor box. One ring per % in. depth increase. Must be insta		CFB8RCVRR075		
ished floor height adjustment ring - increase post or 1/4 in. ur adjustment; use with round cover series. 1/4 in 1/2 in. 1/2 in 1/2 in.		CFB8RCVRR1* CFB8RCVRR2 CFB8RCVRR3		
Rectangular pre-pour ½ in. extension caps (2 pack).	610GEXTENDCAP2PK 12			
Replacement temporary rectangular steel and yellow concre	610GTEMPCVR			
Replacement spacer around wire-way.		FB10MPX		

Note: *Included with standard CFB45G55R and CFB10G55R series floor boxes.

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Dimensions in Inches (mm)

FB4510GDIV



The Next Big Step In Innovation



Locate installation area and connect conduits



Pour concrete



Cut box top level with concrete



Install flooring



Install Adjustable Mounting Cup and level with finished flooring CFBS1R4CUP



Wire devices into box



Finish with cover CFBS1R4CVR

Installing the Fully Adjustable Mounting Cup and Level with Finished Flooring

During a concrete pour installation a floor box can become buried, other times the thickness of the floor covering can change. We have solved these issues with the integral, patented, adjustable mounting cup which adjusts the device mounting depth to 3 inches to accommodate any plug, no matter the floor thickness. Additionally, this is helpful for engineered flooring on the concrete; the adjustable mounting cup allows for post pour upwards adjustment of up to $1\frac{1}{2}$ inches.

Recessed and Furniture Feed Activation is available with all 4 Inch Recessed Floorboxes by selecting the correct adjustable mounting cup for the application.







Finish with cover **S1R4FFCVR**



Furniture Feed Activation



Features and Benefits

SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

The Hubbell SystemOne Fully Adjustable Recessed floor box is the next step in a long line of quality products delivering power, data and AV for any application. The challenge of a recessed adjustable floor box is the device depth would vary for different floor thicknesses, other times the floor box can become buried in the concrete pour. We have solved these issues with the integral, patented, mounting cup which adjusts the device mounting depth to 3 inches to accommodate any plug, no matter the floor thickness. Additionally, this is helpful for engineered flooring on the concrete; the adjustable mounting cup allows for post pour upwards adjustment of up to 1½ inches. This feature is particularly accommodating when the final flooring is unknown at the time concrete is being poured.

Utilizing the same cover design as our 4 Inch Recessed Fire-Rated Poke-Throughs, a common look is now possible anywhere in a building, on grade or above grade.





Box Design

- Up to 2 inch conduit ready (Cast iron maximum conduit 1½ inches)
- Available in PVC, stamped steel, epoxy coated stamped steel or cast iron construction available
- cULus Listed Scrubwater compliant



Covers

- Durable die-cast aluminum
- 1,000 lbs, static load rated cover
- Available in six architectural finishes
- Low profile flange, 0.15 inch exceeds ADA requirements
- 5.50" diameter flange



Adjustable Mounting Cups

- 3 inch deep access chamber
- Patented post pour adjustable mounting cup with teeth spaced in ¹/₃₂ inch increments allows for up to 1½ inches of upward adjustability from the lowest position, ideal for engineered flooring
- High visibility white cup for making easy connections



Easy Mount Device Plates

- Recessed connections
- Single service or dual service
- Multiple, open architecture mounting plates for power, data and AV



2 Inch Conduit Ready

 To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2 inch conduits with the use of a 2 inch threaded conduit hub - CFBHUB2 Sold Separately

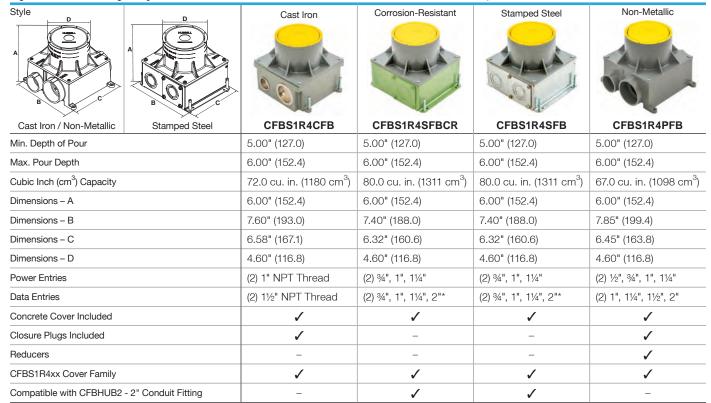


Furniture Feed Cover Design

- Compatible with recessed covers
- Seamless one piece cast aluminum design
- (1) ¾ inch threaded hub for power
- (1) 11/2 inch threaded hub for low voltage
- 0.15" flange height, 5.50" diameter flange



SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors



Note: UL File Number E92074. CSA File Number LR18416. *Requires CFBHUB2 for 2" conduits.

Adjustable Mounting Cup - Required, Purchased Separately

The Adjustable Mounting Cup (AMC) is the heart of the **CFBS1R4** Floor Box product line, and must be *purchased separately* from the floor boxes. With teeth spaced in 5/32 inch increments, the adjustable cup allows for installation ease and flexibility. The AMC is dropped into the floor box collar then rotated clockwise to set the height and is adjustable until the ground plate is installed. Once the ground plate is installed, the cup is locked into place preventing unwanted adjustment of height. Lastly, the device mounting plate and electrical devices are installed.









Description

Adjustable Mounting Cup Includes white mounting cup, low voltage dividers and ground plate.

Recessed Activation Catalog Number

CFBS1R4CUPFloor boxes purch

Floor boxes purchased independently from cup

Furniture Feed Activation Catalog Number

CFBS1R4FFCUP

Floor boxes purchased independently from cup









SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

Floor Box Covers

The 4 inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch is ADA compliant and suitable for use on any floor finish. All covers are UL 514A listed and meet UL Scrubwater requirements.

Features

- Flange diameter is 5.5 inches
- Flange thickness is 0.15 inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs. with 2x safety factor* for a static load applied through a 3 inch mandrel
- Available in six finishes
 - Satin nickel, antique bronze and brushed brass are plated finishes
 - Brushed aluminum is the base material brushed and lacquered
 - Black and gray finishes are powder coat



Device Mounting Plates

Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate
2X2 Sub-plate with (1) decorator device opening and (2) keystone jack openings	1	(1) Style Line [®] decorator device opening for power or datacom applications	0	2X2 Sub-plate with (1) decorator device opening and (2) Ortronics® TracJack® openings	1
S1R4SP2X2STYLE	7.7	S1R4SPSTYLE	1.1	S1R4SP2X2STYLETJ	12.2
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings	(4)	(1) Duplex device opening for power or datacom applications	A	2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings	8
S1R4SP2X2DUPLEX	100	S1R4SPDUPLEX	100	S1R4SP2X2DUPLEXTJ	A Paris
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12 inch wire leads Includes & stickers.		(1) 1.60 inch opening for 20 or 30A Twist-Lock [®] receptacle	Ö	(1) 1.40 inch opening for simplex receptacle	0
S1R4SPQUAD	1000	S1R4SPTWIST		S1R4SPSIMPLEX	The same of

Architectural Cover Finishes

Finish	Recessed Activation	Furniture Feed Activation
Brushed Aluminum	CFBS1R4CVRALU	S1R4FFCVRALU
Black Powder Coat	CFBS1R4CVRBLK	S1R4FFCVRBLK
Brushed Brass Plated	CFBS1R4CVRBRS	S1R4FFCVRBRS
Antique Bronze Plated	CFBS1R4CVRBRZ	S1R4FFCVRBRZ
Gray Powder Coat	CFBS1R4CVRGRY	S1R4FFCVRGRY
Plated Satin Nickel	CFBS1R4CVRNKL	S1R4FFCVRNKL

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.













Accessories and Replacement Parts

Description	Catalog Number
Allows the conduit connections for the low voltage portion of the CFBS1R4SFB and CFBS1R4SFBCR to be increased to 2 inch capacity. The offset design helps to minimize conduit float during the concrete pour.	CFBHUB2
Set of conduit reducing adapters for use with the CFBS1R4PFB . Includes two each 1, ¾ and ½ inch of the following adapters to reducing to the corresponding conduit diameter. 1½, 1¼ and 1 inch	CFBADAPT125 CFBADAPT200
Replacement low voltage partition for use in all four CFBS1R4 series floor boxes.	CFBS1R4DIV
Replacement ground bracket for use in all four CFBS1R4 series floor boxes.	CFBS1R4GND
Replacement pre-pour concrete yellow cover for use with all four of the CFBS1R4 series floor boxes.	CFBS1R4COVER
Abandonment plate, black finish, for all CFBS1R4 series floor boxes.	S1R4CFBADMTBK
Pre-pour PVC stand increases CFBS1R4PFB box height 2.5 in. to 4.0 in. within the concrete pour.	PFBSTANDGY

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.



Floor Boxes

Products at a Glance

Flush Floor Box Applications feature unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

SystemOne Flush Floor Box Applications...



Multi-Service Applications

This Hubbell SystemOne sub-plate incorporates a standard Style Line® decorator opening, which can be used for an active multimedia device. In addition, a 20A outlet is supplied for power and two keystone openings for voice/data services.



Multimedia Applications

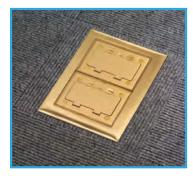
Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio/video market. Some sub-plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, HDMI and XLR microphone jacks. Other sub-plates can accommodate Extron[®] Electronics MAAP and AAP series AV modules, as well as FSR IPS plates.



4X4 Applications

Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for flush mount Hubbell modular jacks and audio/video Snap Fit connectors. Receptacle wiring permits dual- circuit, as well as isolated ground applications.

Traditional Floor Boxes...



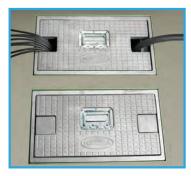
Flush Applications

Hubbell offers a wide variety of traditional solutions including single and multi-gang cast iron, stamped steel and non-metallic floor boxes in both round and rectangular designs. These boxes can be finished with either brass or aluminum covers and flanges to match any office décor. All Hubbell floor box assemblies exceed UL scrubwater exclusion requirements.



Wooden Floor Applications

Hubbell offers round, single service and rectangular, multi-service floor boxes for wooden floor applications. The rectangular boxes are available in one, two and threegang options and feature removable barriers for maximum capacity while maintaining separation of power and low voltage. A variety of covers and flanges are available in brushed aluminum or brass to meet aesthetic requirements.



Heavy Load Rating

For environments where floor boxes will be subjected to extreme loads, Hubbell offers two different solutions. The Ballroom Box series has a static cover load rating of 20,000 lbs. and can accommodate up to 8 devices. The Convention Center family offers a static cover load rating of 32,000 lbs. and can accommodate up to 100A Pin and Sleeve devices.

Extron[®] is a registered trademark of Extron Electronics.



SystemOne Flush Floor Box Family

Cast Iron



- Corrosion resistant for on-grade applications
- Oversized 1½" NPT threaded conduit access holes for low voltage
- 1" NPT threaded conduit access holes for power

Steel



- Stamped steel construction
- Economical and light weight for above-grade applications
- Concentric knockouts permit various conduit sizes for both power and data services



Steel AV



- Accommodates high-capacity multimedia applications in a 3½" minimum depth of pour
- Oversized 1½" NPT threaded data hub
- ¾", 1" concentric knockouts for power services

Features

- Easily installed, aesthetic and configurable floor box solution, for open floor plans that require both power and data services
- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar
- The Hubbell SystemOne Universal Cover features ScrubShield[®] technology that exceeds UL514 scrubwater exclusion requirements
- Convenient cubic inch capacity (cm3) markings on interior of box
- · Leveling feet provide before pour adjustability
- Non-metallic riser allows a simple saw cut for adjustment after pour
- Supplied with concrete cover and closure plugs (where applicable)
- Designed to accommodate multi-service applications with the wide offering of Hubbell SystemOne sub-plates
- Hubbell SystemOne Metal Floor Boxes are approved for use in the City of Chicago
- CR versions incorporate fusion bonded epoxy paint for on grade use



Non-Metallic



- Non-corrosive plastic construction
- Oversized 1½" data conduit hub for increased cable capacity and bend radius
- Parallel conduit hubs reduce labor and material cost, facilitating easier wire pull

Features

- Economical, easy to install, in-floor delivery system for open plan spaces
- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar
- Concrete cover, conduit reducers and conduit hub plugs included



SystemOne Flush Covers

Universal Flange and Cover Assembly

Carpet







- Hinged doors open 180° flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs
- Finishes and colors available:













Ivorv

Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514 scrubwater exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA standards for accessible design

SystemOne Flush Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, adds and changes. See page O-20 for additional Information.



4x4 Sub-Plate



Datacom and Power Sub-Plate



Extron® AAP/MAAP



Dual Style Line® Decorator Sub-Plate



Twist-Lock® Sub-Plate



Furniture Feed Cover, Carpet

Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series audio/video system integration products
- Accommodates GFCI, USB, surge and standard Style Line® Decorator receptacles
- Twist-Lock[®] receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility

Power Devices and Connectivity



Hubbell-PRO Receptacles



20A USB Receptacles



Hubbell **ISTATION**

Features

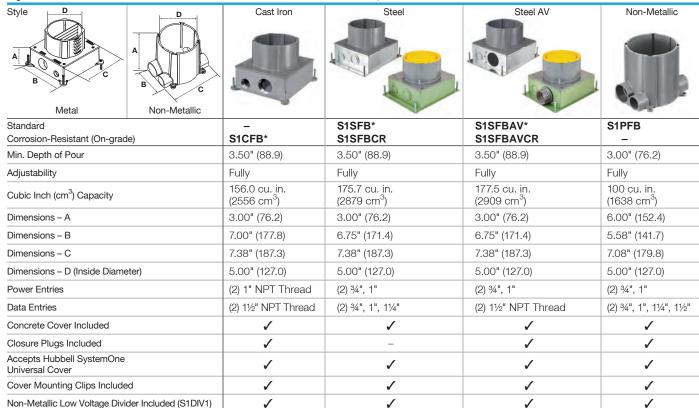
- Choose from Hubbell's industry leading selection of wiring devices for power services
- Hubbell iSTATION connectivity modules integrate with SystemOne to provide comprehensive multimedia solutions

Extron[®] is a registered trademark of Extron Electronics.





SystemOne Flush Metal and Non-Metallic Floor Boxes, for Use In Concrete Floors



Note: UL File Number E92074.

*S1CFB, S1SFB, S1SFBAV are approved for use in the City of Chicago.

SystemOne Universal Covers

- Cast aluminum construction
- Durable powder coat finish





Color	Carpet	Tile
Aluminum Finish	S1CFCAL	S1TFCAL
Brass Finish	S1CFCBRS	S1TFCBRS
Black	S1CFCBL	S1TFCBL
Gray	S1CFCGY	S1TFCGY
lvory	S1CFCI	S1TFCI



Aluminum

Finish



Finish







Floor Box Accessories

1 1001 BOX / 10000001100		
Description	Color	Catalog Number
Abandonment Plates Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes	Black Gray	S1AP4BL S1AP4GY
Replacement Side by Side Divider Used to isolate compartments in S1SP, S1SPFFx, S1SPFFTx, S1SPDU, S1SPD S1SPDU2IM and S1SPSL2IM sub-plat Included with all SystemOne Floor Boxe	USL, es.	S1DIV1
1½" Threaded Hub		S1AVHUB15

For use with S1SFBAV ONLY. Permits feedthrough applications. S1SFBAV floor box includes one (1) threaded hub.

Replacement Universal Cover Mounting Clips Used to mount SystemOne Universal Cover to SystemOne metal and non-metallic floor boxes (S1CFB, S1SFB, S1SFBAV, S1PFB).

Pre-pour PVC stand increases S1PFB box height 2.5 in. to 4.0 in. within the concrete pour.



S1FBCLIP5PK



PFBSTANDGY







Description	Catalog Number	Description		Catalog Number	Description		Catalog Number
Style Line® Decorator/GFCI (2) Style Line® decorator openings for power and/or datacom applications.	0	Duplex/Duplex (2) Duplex openings for power and/or datacom applications.		Duplex/Style Line® Decorator (1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications.		(B)	
Non-Metallic 3.5 Metal	S1SP	3 Non-Metallic	3.5 Metal	S1SPDU	3 Non-Metallic	3.5 Metal	S1SPDUSL
Hubbell 4 X 4 (4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability.		Carpet Furniture Cover/Flange* (1) ¾" and (1) 1½" holes for power at applications. Univ required. Includes	NPT access nd/or datacom ersal Cover not	0	Tile Furniture FecCover/Flange* (1) %" and (1) 1%" holes for power ar applications. Univerequired. Includes	NPT access nd/or datacom ersal Cover not	6
Includes 🖒 stickers.	S1SP4X4C	3 Non-Metallic	Aluminum Fin. Brass Finish	S1SPFFBRS	3 Non-Metallic	Aluminum Fin. Brass Finish	S1SPFFTAL S1SPFFTBRS
Provided with 15 ft. wire leads Provided with 30 ft. wire leads	S1SP4X415 S1SP4X430	3.5 Metal	Black Gray	S1SPFFBL S1SPFFGY	3.5 Metal	Black Gray	S1SPFFTBL S1SPFFTGY
Single Receptacle + Data Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors.	S1SPTL	Hubbell DataCor (1) 20A, 125V recept recessed Hubbell if for data, voice, and	otacle and 3-unit STATION opening I AV applications.	S1SP3IM	Hubbell DataCor (1) Duplex opening openings and 1.5 Hubbell iSTATION voice and AV appl	g, (2) flush Keystone unit recessed opening for data,	S1SPDU2IM
Hubbell DataCom +		Marked with "C Co		S1SP3IMC	Active Multimed	io - Power	
Style Line® Decorator (1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.	S1SPSL2IM	1 unit flush Hubbe opening and 3-un Hubbell iSTATION data, voice, and A	ell iSTATION it recessed I opening for	S1SP4IM	Single 20A, 125V re Keystone opening: Style Line® decorr accommodate act modules or low vol	eceptacle; (2) flush s; (1) rectangular ator opening to ive multimedia	S1SPAMM20
5		3.5			Marked with "Co	entrolled"	S1SPAMM20C
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates.	S1SPEXT1	extron® or FSR - (1) 20A, 125V recepopening for (1) sing MAAP and (2) sing adapter plates or F	ptacle. Recessed gle Extron [®] gle AAP series	S1SPEXT2	Extron® or FSR Single-Service Recessed opening Extron® MAAP and AAP series adaptor FSR IPS plates.	nd (2) single	S1SPEXT3
Marked with "Controlled"	S1SPEXT1C	Marked with "CC		S1SPEXT2C	4.5		
Extron® AAP + Power (1) 20A, 125V receptacle. (2) flush Keystone & recessed opening for (2) single Extron® AAP Series edenter lates	0	Ortronics Series (1) 20A, 125V rece Recessed openin Ortronics Series II	eptacle. g for (3) 1 unit	0	Ortronics TracJa (1) 20A, 125V rece Recessed bezel for TracJack [®] module	eptacle. or (6) Ortronics	
adapter plates.	S1SPEXT4	<u>5</u>		S1SPORT	<u>5</u>		S1SPTRAC
Marked with "Controlled"	S1SPEXT4C	Marked with "CC		S1SPORTC	Marked with "Co		S1SPTRACC
Panduit Mini Com® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for Panduit Mini-Com Connectivity.		SYSTIMAX® 4 X (4) 20A, 125V rece (4) Openings for S Connectivity.	eptacles.		Siemon MAX® + (1) 20A, 125V rece Recessed bezel for MAX® modules.	eptacle.	
	CACDAVADA			C1CDAVACVC			CACDMAY

S1SP4X4PAC Includes © stickers. Note: *Furnished with two screws in flexible metal conduit connectors.

S1SP4X4PA

4

Signifies minimum depth of concrete pour in inches for Metal Floor Boxes (S1CFB, S1SFB and S1SFBAV) and Non-Metallic Floor Box (S1PFB).

Sub-Plate Accessories

Description			Description	Catalog Number
Replacement Threade Used with S1SPFFx and Sub-plate is supplied wi	S1SPFFTx only.		Replacement for S1SPMAX. Sub-plate is supplied with data frame. Works with Siemon MAX [®] .	S1DFMAX
Color	1½" Plug	3/4" Plug	Replacement for S1SPTRAC sub-plate. Sub-plate is supplied with data frame. Works with Ortronics TracJack [®] .	S1DFTRAC
Aluminum Finish Brass Finish Black Gray	S1FP15AL S1FP15BRS S1FP15BL S1FP15GY	S1FP34AL S1FP34BRS S1FP34BL S1FP34GY	Blank Style Line [®] decorator frame, Black. 2-Port Style Line [®] decorator frame, Black. 4-Port Style Line [®] decorator frame, Black. 6-Port Style Line [®] decorator frame, Black.	NS620BK ISF2BK ISF4BK ISF6BK

 $Extron^{@} \ is \ a \ registered \ trademark \ of \ Extron \ Electronics. \ MAX^{@} \ is \ a \ registered \ trademark \ of \ The \ Siemon \ Company. \ Mini-Com^{@} \ and \ Panduit^{@} \ are \ registered \ trademarks \ of \ Panduit \ Corp. \ SYSTIMAX^{@} \ is \ a \ registered \ trademark \ of \ CommScope, \ Inc. \ TracJack^{@}, \ Series \ II^{@} \ and \ Ortronics^{@} \ are \ registered \ trademarks \ of \ Ortronics/Legrand.$

S1SP4X4SYSC Marked with "Controlled"

S1SPMAX

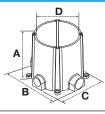
S1SPMAXC



SystemOne			Non-		Floor	Boxes				4" Core Hol	
Configurat	ion Chart		Metallic			Metal			Fire-Ra	ted Poke-T	nrougns
(except S1PFI	use in the City of Chicago B)).					-				1
Sub-Plates S1SP	Style Line® Decorator/GFCI		S1PFB	S1CFB	S1SFB	S1SFBCR	_	S1SFBAVCR	S1PTFIT	S1PT4X4FIT	S1PTAVFII
		U	3	3.5	3.5	3.5	3.5	3.5	/ +	X	1
S1SPDU	Duplex/Duplex		3	3.5	3.5	3.5	3.5	3.5	/ +	X	1
S1SPDUSL	Duplex/Style Line® Decorator	0	3	3.5	3.5	3.5	3.5	3.5	/ +	X	1
S1SP4X4 S1SP4X4PA S1SP4X4SYS	Hubbell 4 X 4 Panduit Mini-Com® 4 X 4 SYSTIMAX® 4 X 4	0	(A)	(4)	(4)	(4)	(4)	(4)	V		V
S1SP4X4C S1SP4X4PAC S1SP4X4SYSC	Marked with "C Controlled"	0	4	4	4	4	4	4	X	/ +	X
S1SPTL	Twist-Lock® Receptacle + Data	0	4	4	4	4	4	4	X	/ +	X
S1SP3IM	Hubbell DataCom + Power	0	5	5	5	5	5	5	1	X	/ +
S1SP4IM	Hubbell DataCom	0	3.5	3.5	3.5	3.5	3.5	3.5	1	X	/ +
S1SPDU2IM	Hubbell DataCom + Duplex	(1)	5	5	5	5	5	5	1	X	/ +
S1SPSL2IM	Hubbell DataCom + Style Line® Decorator	Ŏ	5	5	5	5	5	5	1	X	/ +
S1SPFFxx (Carpet) S1SPFFTxx (Tile)	Furniture Feed Cover/Flange (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).	0	3	3.5	3.5	3.5	3.5	3.5	1	X	/ +
S1SPEXT1 S1SPEXT1C	Extron® or FSR + Power Marked with "Controlled"	Ŏ	4	4	4	4	4	4	1	X	/ +
S1SPEXT2	Extron® or FSR + Power	Ŏ	4	4	4	4	4	4	1	Х	/ +
S1SPEXT2C S1SPEXT3	Marked with "C Controlled" Extron® or FSR Single-Service	ŏ	4.5	4.5	4.5	4.5	4.5	4.5	1	X	/ +
S1SPEXT4	Extron® or FSR + Power	A	4	4	4	4	4	4		X	/.
S1SPEXT4C	Marked with "Controlled"										• •
S1SPORT S1SPORTC	Ortronics Series II® + Power Marked with "C Controlled"	0	5	5	5	5	5	5	1	X	/ +
S1SPTRAC	Ortronics TracJack® + Power	Ŏ	5	5	5	5	5	5		X	/ +
S1SPTRACC S1SPMAX	Marked with "Controlled" Siemon MAX® + Power					_		_			• •
S1SPMAXC	Marked with "Controlled"		5	5	5	5	5	5	1	X	/ +
S1SPAMM20	Active Multimedia + Flush Keystone + Power	0	5	5	5	5	5	5	1	X	/ +
S1SPAMM20C S1CFCxx (Carpet)	Marked with "Controlled" SystemOne Floor Boxes and FRPTs use SystemOne			Signifies min			e pour in inc	hes for	√ + Recommended	d Alternative	X Not
S1TFCxx (Tile)	Universal Covers (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).		Extron [®] is a	registered tra	ademark of E.	xtron Electroi	nics. MAX [®] is s of Panduit C iics [®] are regis	a registered t Corp. SYSTIM stered tradem	Floor Fitting		Compatible



Flush Round Single or Multi-Service Non-Metallic Floor Boxes, for Use In Concrete Floors





6	10-

B	
- 💥 0	PFB1
Min. Depth of Pour	3.00" (76.2)
Cubic Inch (cm³) Capacity	100 cu. in. (1638.7 cm 3) prior to cutting level to floor (19.5 cu. in. (313.2 cm 3) per inch of depth).
Dimensions – A	6.00" (152.4)
Dimensions – B	7.08" (179.8)
Dimensions – C	6.69" (169.9)
Dimensions – D	5.38" (136.5)
Hubs	(2) 1" and (2) 3/4" Conduit Hubs
Concrete Cover Included	✓
Closure/Reducer Plugs	(2) 1" plugs close off 1" hubs or reduce 1" to ¾" (2) ¾" plugs close off ¾" hubs or reduce ¾" to ½"

Description	Catalog Number
Adapter Required for all applications.	PFBA1A

Low Voltage Divider

Required for use with catalog number PFB1 when used in multi-service applications. Accepts Hubbell standard duplex receptacles or 15A Twist-Lock® duplex receptacles (HBL4700 series).



PFBT1A

"Y" Adapter

3/4 in. "Y" adapter to feed parallel runs of ¾ in. conduit.



PFBYA1

Pre-pour PVC stand increases PFB1 box height 2.5 in. to 4.0 in. within the concrete pour.



PFBSTANDGY

Note: UL File Number E92074. CSA File Number LR18416.

Flush Round Covers and Flanges^T

Multi-Service Cover and Flange Assemblies Includes floor box cover with duplex flaps, (2) ½ in. dia. low voltage feed through holes and matching carpet flange. 6.25 in. Diameter



Brass



Brown

Non-Metallic

PFBCBRA





Ivory

PFBCIA

Metal Carpet Flange

Use with single service covers for carpet applications. 6.25 in. Diameter



Brass

Brushed

Aluminum

Adapter Ring

Use with single service covers for tile applications.





Non-Metallic Non-Metallic Non-Metallic **Multi-Service Replacement Covers**

Material	Metallic
Solid Brass	BRS2RCA

Color Black Brown Gray Ivory

S3325

Non-metallic **PFBRCBLA PFBRCBRA PFBRCGYA PFBRCIA**





Single Service Covers[†]

Brass Aluminum 3.88 in. Dia.















S3525



SA3913 Blank

PFBP1

S3913

One Piece Brass Cover and Carpet Flange[†]

Brass Aluminum 6.25 in. Dia.

*Note: Adapter ring S5016 is required for mounting SF series covers onto PFBA1A.

**Note: brass plated aluminum



Duplex

SF3925*

Style Line® Decorator Opening



SF2525

21/8" x 3/4" Combination Combination

 $2\frac{1}{8}$ " x 1"

SF2725

21/8" Single Receptacle

SF2925*

(Terrazzo Floor) **Furniture Feed Plate**

Unpainted plate with 1 in. threaded opening.

Steel

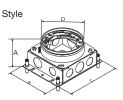
[†]COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.

SFB3926 **

SFA3926

Stamped Steel

Flush Round Single Service Metal Floor Boxes, for Use In Concrete Floors







Cast Iron







× ×					
Catalog Numbers	FB2536	FB2537	FB2546	FB2527	FB2529
Cover Frame Material	Steel	Steel	Steel	Steel	Steel
Min. Depth of Pour	3.25" (82.6)	3.00" (76.2)	3.75" (95.3)	4.00" (101.6)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	-	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.625" (15.9)	.50" (12.7)	.50" (12.7)
Cubic Inch (cm3) Capacity	33.0 (540.8)	30.0 (491.7)	36.0 (590.0)	54.0 (884.9)	37.3 (611.2)
Dimensions – A	3.12" (79.1)	2.87" (72.8)	3.61 (91.6)	3.80 (96.4)	2.82 (71.5)
Dimensions – B	4.85" (123.2)	4.85" (123.2)	5.00" (126.9)	4.81" (122.2)	4.81" (122.2)
Dimensions – C	4.85" (123.2)	4.85" (123.2)	_	6.00" (152.4)	6.00" (152.4)
Dimensions – D	4.21" (106.8)	4.21" (106.8)	4.21" (106.8)	4.21" (106.8)	4.21" (106.8)
Threaded Hubs	(4) 1"	(4) 3/4"	(4) 1"	_	_
Knockouts - Sides	-	_		(2) 3/4", 1", 1-1/4"	(2) ½" & (1) ¾"
Knockouts – Ends	_	_	_	(2) 3/4", 1", 1-1/4"	(1) 1/2" & (1) 3/4"
Knockouts – Bottom	_	_	_	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"
Concrete Cover Included	✓	✓	✓	/	✓
Closure Plugs Included	✓	✓	✓	-	_
1" to 3/4" Threaded Reducer	2 Each	_	2 Each	_	_

Note: Suitable for single service applications only. UL File Number E31999. CSA File Number LR18416.

Cover Adapter Ring, Flush Application

Required for tile or finished concrete applications.

S5016 Brass



Carpet Flanges, Surface Applications

Required for carpet and surface applications. S3082 6.25 in. Dia.





SA3082

Brushed Brass

Brushed Aluminum

Single Service Covers[†]

Brass Aluminum 3.88 in. Dia.















5.25 in. Dia.



S3325 21/8" Single Receptacle

(Terrazzo Floor)

S3913 SA3913 Blank

One Piece Brass Cover and Carpet Flange[†]

Brass Aluminum 6.25 in. Dia.



Flap

SF3925

SFA3925

Style Line® **Decorator Opening**

SFB3926*

SFA3926



SF2725 21/8" x 1"

Combination

SF2925 21/8" Single

[†]COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.

^{*}Note: brass plated aluminum

Flush Rectangular Non-Metallic Floor Boxes with Non-Metallic Covers, for Use In Concrete Floor

Style	1-Gang	2-Gang	3-Gang
A B C D			
<i>y</i> •	PFBRG1*	PFBRG2	PFBRG3
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully	Fully
Cubic Inch (cm ³) Capacity per Gang	14.3 cu. in. (234.3 cm ³) per 1" depth	14.3 cu. in. (234.3 cm ³) per 1" depth	14.3 cu. in. (234.3 cm ³) per 1" depth
Dimensions – A	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B	3.60" (91.4)	6.80" (172.7)	10.04" (255.0)
Dimensions – C	5.47" (138.9)	5.47" (138.9)	5.47" (138.9)
Dimensions – D	6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E	5.41" (137.4)	8.56" (221.4)	11.75" (298.4)
Hubs	(4) 11/4"	(6) 11/4"	(8) 11/4"
Reducers	(4) 1" to 3/4" and (4) 11/4" to 1"	(6) 1" to 3/4" and (6) 11/4" to 1"	(8) 1" to ¾" and (8) 1¼" to 1"
Concrete Cover Included	✓	✓	✓
Closure Plugs Included	✓	✓	✓
Low Voltage Barrier**	_	(1) Removable	(2) Removable

Note: UL File Number E92074.

Flush Rectangular Non-Metallic Covers and Flanges*

Required Components for Carpet Applications Cover with Duplex and Style Line® decorator inserts included Carpet Flanges 3-Gang Number of Gangs 1-Gang 2-Gang One Required per Gang 6.00" x 4.88" 6.00" x 8.13" 6.00" x 11.35" 4 15" x 2 97 Dimensions Black PFBRFBL1 PFBRFBL2 PFBRFBL3 PFBR826BLA Brown PFBRFBR1 PFBRFBR3 PFBR826BRA PFBRFBR2 Grav PFBRFGY1 PFBRFGY2 PFBRFGY3 PFBR826GYA Ivory PFBRFI1 PFBRFI2 PFBRFI3 PFBR826IA Cover **Duplex** Style Line® Decorator Insert

Required Components for Tile Applications

Mounting Collar	Cover Frame	Cover with Duplex and Style Line® decorator inserts included
One Required per Gang	One Required per Gang Dim. 4.47" x 3.25"	One Required per Gang 4.15" x 2.97"

PFBRMC PFBRFRA







PFBR826GYA





Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.

^{*}Suitable for single service applications only.

^{**}Replacement low voltage barriers, 5 pack, catalog number PFBRGLVDPK5



Flush Rectangular Non-Metallic Floor Boxes with Metal Covers, for Use In Concrete Floor



Note: UL File Number E92074.

Flush Rectangular Metal Covers and Flanges

Required Components for Flush Tile Applications

Adapter Collar

(One required per gang)

PFBRAC Gray



Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30"

Brass S5017GR Aluminum **SA5017GR**



Flush Rectangular Metal Covers and Flanges

Required Components for Flat Flange Applications

Adapter Collar (One required per gang)

Gray **PFBRAC**



Flat Flanges*

Flat Flange Height 0.125"

1-Gang Number of Gangs 6.00" x 4.85" Dimensions Brass, square edge SB3083W Aluminum, square edge SA3083W Brass, beveled edge **SB3083WB** Aluminum, beveled edge

SA3083WB



SB3084W **SA3084W SB3084WB SA3084WB**

6.00" x 8.13"

2-Gang



6.00" x 11.34" SB3085W **SA3085W SB3085WB SA3085WB**

3-Gang



Covers - One Required per Gang[†] S3825

Brass Aluminum Dimensions 4.15" x 2.99"

SA3825

Duplex Flap



S3625

SA3625

Tamper Resistant

Duplex Screw

S3625TR

SA3625TR



Decorator

S3826







Combination

S2425



Combination

S2625

SA2625



Receptacle

S2825

21/8" Single



S3425



Blank

S3813

23/8" Single Receptacle

^{*}Suitable for single service applications only.

^{**}Replacement low voltage barriers, 5 pack, catalog number PFBRGLVDPK5

^{*}Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces

Opening [†]COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor Load applied through a 3 in. (76) mandrel at the center of the cover.



Flush Rectangular Cast Iron Floor Boxes with Metal Covers, for Use In Concrete Floors

1-Gang Deep 2-Gang Deep 3-Gang Deep 1-Gang Shallow 2-Gang Shallow 3-Gang Shallow FB4133* FB4233 FB4333 FB4114* FB4214 FB4314 Catalog Numbers Cover Frame Material Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Thermoplastic Min. Depth of Pour 3.50" (95.3) 3.50" (95.3) 3.50" (95.3) 2.00" (50.8) 2.00" (50.8) 2.00" (50.8) Adjustability Fully Fully Fully Semi Semi Semi Before Pour External Height Adjustment 1.25" (31.8) 1.25" (31.8) 1.25" (31.8) 1.25" (31.8) 1.25" (31.8) 1.25" (31.8) After Pour Internal Height Adjustment .875" (22.2) .875" (22.2) .875" (22.2) Cubic Inch (cm3) Capacity per Gang 36.5 (598.2); 34.8 (570.3) 33.0 (540.8) 36.5 (598.2) 16.0 (262.2) 16.0 (262.2) 16.0 (262.2) center gang Dimensions - A 3.42" (87.0) 3.40" (86.4) 3.40" (86.4) 2.03" (51.4) 2.05" (51.9) 2.06" (52.2) Dimensions - R 4.85" (123.2) 4.91" (124.7) 4.91" (124.7) 5.66" (143.7) 5.46" (138.7) 5.46" (138.7) Dimensions - C 4.85" (123.2) 8.13" (206.5) 11.41" (289.8) 4.38" (111.3) 7.50" (190.4) 10.71" (272.0) Dimensions - D 4.32" (109.7) 4.32" (109.7) 4.32" (109.7) 4.32" (109.7) 4.32" (109.7) 4.32" (109.7) Dimensions - E 9.64" (244.8) 3.20" (81.3) 6.42" (163.0) 9.64" (244.8) 3.20" (81.3) 6.42" (163.0) Threaded Hubs (4) 1" (6) 1" (4) 3/4" (4) 3/4" (6) 34" (8) 1" Concrete Cover Included Closure Plugs Included 2 Each 1" to 3/4" Threaded Reducer 4 Each 4 Fach Low Voltage Barrier (1) Removable (2) Removable Non-Removable Non-Removable

Note: UL File Number E92074. CSA File Number LR18416. *Suitable for single service applications only.

Flush Rectangular Covers Flanges

Required Components for Flush Tile or Finished Concrete Applications

Aluminum

S5017GR **SA5017GR**



Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30"

Flat Flanges*

Flat Flange Height 0.125"

Number of Gangs 1-Gang 6.00" x 4.85" Dimensions SB3083W Brass, square edge

Aluminum, square edge SA3083W Brass, beveled edge **SB3083WB** Aluminum, beveled edge **SA3083WB**



SB3084W SA3084W **SB3084WB SA3084WB**

6.00" x 8.13"

2-Gang



SB3085W SA3085W **SB3085WB SA3085WB**

6.00" x 11.34"

3-Gang



Covers - One Required per Gang[†] S3825

Brass Aluminum Dimensions 4.15" x 2.99"



Duplex



S3625

Duplex



S3625TR

Tamper Resistant **Duplex Screw**



S3826

Style Line® Decorator Opening



S2425

21/8" x 3/4" Combination



S2625

21/4" x 1" Combination



S2825

21/8" Single Receptacle



S3425

Receptacle



S3813

Blank 23/8" Single

^{*}Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces

[†]COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover. Dimensions in Inches (mm)



Flush Rectangular Cast Iron Floor Boxes with Non-Metalic Covers, for Use In Concrete Floors

Style	Cast Iron							
A	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow		
Catalog Numbers	FB4133*	FB4233	FB4333	FB4114*	FB4214	FB4314		
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic		
Min. Depth of Pour	3.50" (95.3)	3.50" (95.3)	3.50" (95.3)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)		
Adjustability	Fully	Fully	Fully	Semi	Semi	Semi		
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)		
After Pour Internal Height Adjustment	.875" (22.2)	.875" (22.2)	.875" (22.2)	_	_	_		
Cubic Inch (cm3) Capacity per Gang	33.0 (540.8)	36.5 (598.2)	36.5 (598.2); 34.8 (570.3) center gang	16.0 (262.2)	16.0 (262.2)	16.0 (262.2)		
Dimensions – A	3.42" (87.0)	3.40" (86.4)	3.40" (86.4)	2.03" (51.4)	2.05" (51.9)	2.06" (52.2)		
Dimensions – B	4.85" (123.2)	4.91" (124.7)	4.91" (124.7)	5.66" (143.7)	5.46" (138.7)	5.46" (138.7)		
Dimensions – C	4.85" (123.2)	8.13" (206.5)	11.41" (289.8)	4.38" (111.3)	7.50" (190.4)	10.71" (272.0)		
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)		
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)		
Threaded Hubs	(4) 1"	(6) 1"	(8) 1"	(4) 3/4"	(4) 3/4"	(6) 3/4"		
Concrete Cover Included	/	√	✓	1	1	✓		
Closure Plugs Included	/	√	✓	1	1	✓		
1" to 3/4" Threaded Reducer	2 Each	4 Each	4 Each	_	-	_		
Low Voltage Barrier	_	(1) Removable	(2) Removable	_	Non-Removable	Non-Removable		

Note: UL File Number E92074. CSA File Number LR18416. *Suitable for single service applications only.

Flush Rectangular Non-Metallic Covers and Flanges*

Required Component	ts for Carpet Applica	ations	Cover with Duplex and Style Line® decorator inserts included			
Carpet Flanges						
Number of Gangs Dimensions	1-Gang 6.00" x 4.88"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.35"	One Required per Ga	ng 4.15" x 2.97"	
Black	MFBRFBL1	MFBRFBL2	MFBRFBL3	PFBR826BLA		
Brown	MFBRFBR1	MFBRFBR2	MFBRFBR3	PFBR826BRA		
Gray	MFBRFGY1	MFBRFGY2	MFBRFGY3	PFBR826GYA		
lvory	MFBRFI1	MFBRFI2	MFBRFI3	PFBR826IA		
		00	000			
				Cover	Duplex Insert	Style Line®

Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.

Dimensions in Inches (mm)

Decorator Insert





Flush Rectangular Stamped Steel Floor Boxes with Metal Covers, for Use In Concrete Floors

Style		Stamped Steel							
5 A 3 O	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow			
A		100	o o o o		A Maria				
Catalog Numbers	FB2431*	FB2432	FB2433	FB2421*	FB2422	FB2423			
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic			
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	2.75" (69.9)	2.75" (69.9)	2.75" (69.9)			
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully			
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)			
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)			
Cubic Inch (cm3) Capacity per Gang	54.0 (884.9)	52.8 (865.2)	50.8 (832.5)	37.3 (611.2)	35.0 (573.5)	34.0 (557.2); 35.0 (573.5) center gang			
Dimensions – A	3.73" (94.7)	3.73" (94.7)	3.73" (94.7)	2.75" (69.8)	2.75" (69.8)	2.75" (69.8)			
Dimensions – B	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)			
Dimensions – C	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)			
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)			
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)			
Knockouts - Sides	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(1) ½" & (1) ¾"	(8) 1/2", 3/4"	(12) 1/2", 3/4"			
Knockouts – Ends	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) ½" & (1) ¾"	(4) 1/2", 3/4"	(4) 1/2", 3/4"			
Knockouts – Bottom	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"			
Concrete Cover Included	1	1	/	✓	✓	✓			
Low Voltage Barrier	_	(1) Removable	(2) Removable	_	(1) Removable	(2) Removable			

Note: UL File Number E92074. CSA File Number LR18416.

*Suitable for single service applications only.

Flush Rectangular Covers Flanges

Required Components for Flush Tile or Finished Concrete Applications

Brass **\$5017GR** Aluminum **\$A5017GR**



Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30"

Flat Flanges*

Flat Flange Height 0.125"

Number of Gangs 1-Gang Dimensions 6.00" x 4.85"

Brass, square edge Aluminum, square edge Brass, beveled edge Aluminum, beveld edge SB3083W SA3083W SB3083WB SA3083WB



SB3084W SA3084W SB3084WB SA3084WB

6.00" x 8.13"

2-Gang

SB3085W SA3085W SB3085WB SA3085WB

6.00" x 11.34"

3-Gang



Covers - One Required per Gang[†] Brass S3825 S3625

Brass Aluminum Dimensions 4.15" x 2.99"



SA3825







Duplex T Screw Re



S3625TR

SA3625TR

Tamper Resistant Duplex Screw



S3826

Style Line[®]
Decorator
Opening



S2425

 $2\frac{1}{8}$ " x $\frac{3}{4}$ " tor Combination



2½" x 1"

Combination

S2625



S2825

21/8" Single Receptacle

D HUBBLES D

S3425

9



S3813

SA3813

2³/₈" Single Blank Receptacle

^{*}Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces

[†]COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.



Flush Rectangular Stamped Steel Floor Boxes with Non-Metalic Covers, for Use In Concrete Floors

Style			Stamped Steel			
A	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow
Catalog Numbers	FB2431*	FB2432	FB2433	FB2421*	FB2422	FB2423
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	2.75" (69.9)	2.75" (69.9)	2.75" (69.9)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)
Cubic Inch (cm3) Capacity per Gang	54.0 (884.9)	52.8 (865.2)	50.8 (832.5)	37.3 (611.2)	35.0 (573.5)	34.0 (557.2); 35.0 (573.5) center gang
Dimensions – A	3.73" (94.7)	3.73" (94.7)	3.73" (94.7)	2.75" (69.8)	2.75" (69.8)	2.75" (69.8)
Dimensions – B	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)
Dimensions – C	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)
Knockouts – Sides	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(1) ½" & (1) ¾"	(8) 1/2", 3/4"	(12) 1/2", 3/4"
Knockouts – Ends	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) ½" & (1) ¾"	(4) 1/2", 3/4"	(4) 1/2", 3/4"
Knockouts – Bottom	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"
Concrete Cover Included	1	1	✓	✓	✓	1
Low Voltage Barrier	-	(1) Removable	(2) Removable	-	(1) Removable	(2) Removable
						

Note: UL File Number E92074. CSA File Number LR18416.

Flush Rectangular Non-Metallic Covers and Flanges*

Required Componen	ts for Carpet Applica	ations	Cover with Duplex and Style Line® decorator inserts included		
Carpet Flanges					
Number of Gangs Dimensions	1-Gang 6.00" x 4.88"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.35"	One Required per Gang 4.15" x 2.97"	
Black	MFBRFBL1	MFBRFBL2	MFBRFBL3	PFBR826BLA	
Brown	MFBRFBR1	MFBRFBR2	MFBRFBR3	PFBR826BRA	
Gray	MFBRFGY1	MFBRFGY2	MFBRFGY3	PFBR826GYA	
lvory	MFBRFI1	MFBRFI2	MFBRFI3	PFBR826IA	
			0.7-		













Cover

Duplex Insert

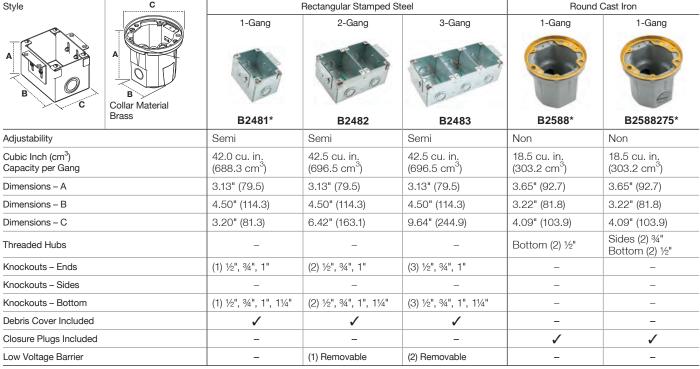
Style Line® **Decorator Insert**

Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.

^{*}Suitable for single service applications only.



Flush Floor Boxes for Wooden Floors



Note: UL File Number E31999. CSA File Number LR18416. *Suitable for single service applications only.

Rectangular Flat Flanges (Required)

Brass SB3083W SB3084W SB3085W Aluminum SA3083W SA3084W **SA3085W**

2-Gang 6.00" x 8.13"

3-Gang 6.00" x 11.34"

Round Flanges

S3182 S3082 SA3082 SA3182



5.25" Dia. 6.25" Dia.

Round Covers (3.88" Dia.)

S3925 S3725 SA3925

SA3725

S2525 **SA2525**



Duplex Flap 21/8" x 3/4" Comb. **Duplex Screw**

Covers - One Required per Gang[†]

1-Gang

6.00" x 4.85"

Brass Aluminum **Dimensions** 4.15" x 2.991

No. of Gangs

Dimensions

SA3825

S3825

Duplex Flap

S2425

SA2425

S3625 SA3625

Duplex Tamper Screw



S3625TR

Resistant **Duplex Screw**

S2825

S3826

SA3826

Style Line® Decorator Opening

S3813

Brass Aluminum Dimensions 4.15" x 2.99"

21/8" x 3/4" Combination

S2625

SA2625

21/8" x 1" Combination



21/8" Single Receptacle



Blank

Round Covers[†] Brass S2725

Aluminum 3.88" Dia.



21/8" x 1" Comb.

SA2725





S2925

21/8" Single Receptacle





23/8" Single Receptacle

S3525



S3325

21/8" Single Rec. (Terrazzo Floor)

One Piece Brass Cover and Carpet Flange[†]

Brass Aluminum 6.25" Dia.

Brass Plated

SF3925 SFA3925

Duplex Flap

SFB3926* SFA3926

Style Line® Decorator

Opening

SF2525

21/8" x 3/4"

SF2725

SF2925

21/8" Single Combination Combination Receptacle

TOVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover.

^{*}Note: brass plated aluminum



Floor Box Cover to Receptacle Compatibility Chart

	er Style		Terrazzo (2½")	23/8"	21/8"	Duplex Flap	Duplex Plug	Style Line®
Round			\$3325	S3525	S(A)2925 S(A)2725 S(A)2525	S(A)3925	S(A)3725	
Rectangular				S3425	S2825 S(A)2625 S(A)2425	S(A)3825	S(A)3625(TR)	S(A)3826
Rating	NEMA C							
2P, 3W 15A, 125V	5-15R		HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	HBL2152 IG2152 GFRST15 HBL5260SA HBL5262SA USB15
2P,3W 15A, 125V	L5-15R	(8.2)	HBL4710 IG4710	HBL4710 IG4710	HBL4710 IG4710	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	00010
2P, 3W 15A, 250V	6-15R	00	HBL5661 IG5661	HBL5661 IG5661	HBL5661 IG5661	HBL5652 HBL5662 IG5662	HBL5652 HBL5662 IG5662	
2P, 3W 15A, 250V	L6-15R		HBL4560 IG4560	HBL4560 IG4560	HBL4560 IG4560	HBL4550 IG4550A	HBL4550 IG4550A	
2P, 3W 15A, 277V	7-15R	(S) (P)				HBL5302	HBL5302	
2P, 3W 15A, 277V	L7-15R		HBL4760	HBL4760	HBL4760	HBL4750	HBL4750	
2P, 3W 20A, 125V	5-20R		HBL5361 IG5361	HBL5361 IG5361	HBL5361 IG5361	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	HBL2162 IG2162 GFRST20 HBL5360SA HBL5362SA USB20
2P, 3W 20A, 125V	5-20R					HBL5392	HBL5392	
2P, 3W 20A, 125V	L5-20R		HBL2310 IG2310	HBL2310 IG2310	HBL2310 IG2310			
2P, 3W 20A, 250V	6-20R	(= })	HBL5461 IG5461	HBL5461 IG5461	HBL5461 IG5461	HBL5462 IG5462	HBL5462 IG5462	
2P, 3W 20A, 250V	L6-20R	()	HBL2320 IG2320	HBL2320 IG2320	HBL2320 IG2320			
2P, 3W 30A, 125V	L5-30R		HBL2610 IG2610	HBL2610 IG2610	HBL2610 IG2610			
2P, 3W 30A, 250V 3P, 4W, 20A	L6-30R 14-20R		HBL2620 IG2620	HBL2620 IG2620	HBL2620 IG2620			
125/250V	L14-20R		HBL8410	HBL8410 HBL2410	HBL8410			
3P, 4W, 20A	15-20R		IG2410 HBL8420	IG2410 HBL8420	IG2410 HBL8420			
3Ø 250V	L15-20R		HBL2420	HBL2420	HBL2420			
3P, 4W, 30A	L14-30R		IG2420 HBL2710	IG2420 HBL2710	IG2420 HBL2710			
125/250V 3P, 4W, 30A	L15-30R		IG2710 HBL2720	IG2710 HBL2720	IG2710 HBL2720			
3Ø 250V 3P, 4W, 30A 3Ø 600V	L17-30R		IG2720 HBL2740	IG2720 HBL2740	IG2720 HBL2740			
4P, 5W, 20A 3ØY 120/208V	L21-20R		HBL2510 IG2510	HBL2510 IG2510	HBL2510 IG2510			
4P, 5W, 20A 3ØY 347/600V	L23-20R		HBL2530	HBL2530	HBL2530			
4P, 5W, 30A 3ØY 120/208V	L21-30R		HBL2810 IG2810	HBL2810 IG2810	HBL2810 IG2810			
4P, 5W, 30A 3ØY 347/600V	L23-30R		HBL2830	HBL2830	HBL2830			

Floor Boxes

Accessories

Theater Seating Floor Box



F3185

Theater Seating Floor Box



Description Catalog Number

Hubbell's nonadjustable theater seating concrete floor box provides a ¾ in. threaded hub for conduit connection to theater aisle lights. This floor box can also be used to

hub for conduit connection to theater aisle lights. This floor box can also be used to power furniture receptacles in lecture halls, libraries and transportation terminals. It permits opening of the enclosure for wiring without disturbing above floor connections. Other features include a cast iron box with a corrosion-resistant finish and a blank steel cover. Threaded NPSM hubs: (¾ in. surface, (3) 3/4 in. sides, ¾ in. bottom) 18.80 cu. in. (380 cubic cm).

Protective Ring for 21/8"
Threaded Covers



S3061

Problem Solvers and Replacement Components Protective Ring for $2\frac{1}{8}$ Inch Threaded Covers

Description	Catalog Number
Provides mechanical and wet mop protection for plugs and receptacles (brass).	S3061

Note: Adjustment: $\frac{3}{4}$ in. and 1 in. fittings permit $\frac{1}{2}$ in. vertical adjustment.

Coupling (Brass)



F1340

Coupling (Brass)

Couplings are utilized for straight conduit connections when a floor box is not required. The conduit stub is brought to within approximately 1½ in. of the planned surface, and the coupling is mounted and adjusted prior to the concrete pour. Standard service heads may be mounted to the couplings as required.

Description	Α	В	Catalog Number
3/4 in. threaded conduit size (female).	1.44" (36.6)	1.25" (31.8)	F1340

Accessories

Experiencing a problem? Let Hubbell accessories help solve it. Hubbell stacking (adjustable) collars are the answer if the box is set too low. Need a replacement? Choose from a full line of replacement covers and fittings. Hubbell accessories also help you with the protection you need for plugs and receptacles.

Problem Solvers and Replacement Components Stacking (Adjustable) Collars and Frames

Designed to be used if floor box is set too low beneath the floor surface or the adjustable collar and/or adapter on the box is damaged

- damagoui		
If the box number is	Extension Value	Use Collar Number
FB2431, FB2421	0.78" (19.81)	FBC2100*
FB2432, FB2422	0.78" (19.81)	FBC2200*
FB2433, FB2423	0.78" (19.81)	FBC2300*
FB2536, FB2537, FB2527, FB2529	0.80" (20.32)	FBC2500*
FB4133	1.16" (29.64)	FBC4100*
FB4233	1.16" (29.64)	FBC4200*
FB4333	1.16" (29.64)	FBC4300*

Note: *Only available as sets (collars and adapters). In cases where the adapter on the floor box is not damaged, and only stacking is required, discard the adapter and use only the collar. The adjustable collars listed above can be stacked as required to reach the floor surface. Longer screws will be required if more than one collar is stacked (screws not provided). These screws are commercially available. Flat head #12-24 UNC machine screw x (approx. length). Minor Upward Adjustments: Round or Rectangular cover frames (trim rings) may be stacked if the floor box is only slightly recessed below the floor surface.



Round Steel Cover Flange

Replacement Carpet Flanges				
	Rectangular	Rectangular	Rectangular	Round
Number of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"	1-Gang 5.25" Dia.
Brass [‡] Aluminum [‡]	SB3083 SA3083	SB3084 SA3084	SB3085 SA3085	

S3084

S3083

S5016PG

S3085

S3079

Crown Plugs

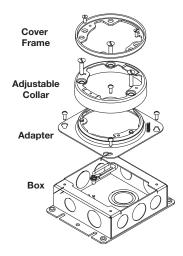
		Catalo	g Number
Description	Used in the following covers	Brass	Aluminum
3/4" thread size.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	S5012	SA5012
1" thread size.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	S5013	SA5013

Flush Cap Rings

		Catalo	g Number
Description	Used in the following covers	Brass	Aluminum
$2\frac{1}{8}$ " threaded plug with $\frac{3}{4}$ " thread size opening.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	S5010	SA5010
21/8" threaded plug with 1" thread size opening.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	S5025	SA5025

Flush Plugs

Brass \$5002	Aluminum –
	_
S5003	_
S5007	SA5007
S5020	SA5020
S5030	-
	S5020



Replacement Adjustable Collar



FBC2500 FBC4200



S5016PG





SB3083

S3085





S3079

SA3084

Crown Plugs

S5012



Flush Cap Rings



Flush Plugs

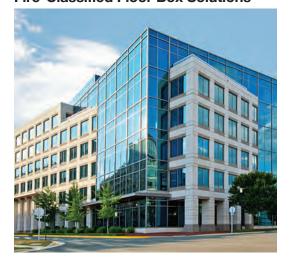


S5007

Clear Polycarbonate [‡]Flange height; 0.47"



Fire-Classified Floor Box Solutions



Hubbell's fire-classified floor boxes are an excellent solution when there is not enough capacity in a poke through and the decking must be penetrated for electrical installations. Available in seven or eleven gang versions, our fire rated kits are compatible with our standard CFB7G6 and CFB11G6 series floor boxes.

Fire-Classified Floor Box Kits

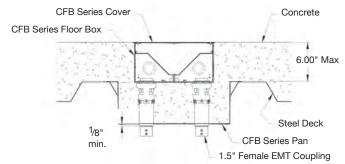
- Preserves 2 or 3 hour fire classified floor rating
- Approved for installations using either light or normal weight concrete
- UL 514 and UL 263 Compliant
- Variety of ADA compliant cover choices for most floor types
- Four 11/2 inch box bottom entry conduits

Fire-Resistant Floor Box Kit Includes

• Floor pan, conduit assemblies, hardware, leveling feet and manual Floor box ordered separately

Installation

- For Concrete pours from 31/4 in. up to 51/2 in. above upper most portion of decking
- Units can be mounted 2 ft. on center
- Fastens to deck with TEK screws or welding



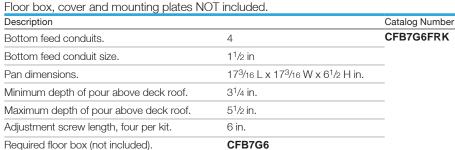
CFB7G6/CFB11G6 Series



CFB7G6 Floor Box above CFB7G6FRK Installed in decking

Fire-Classified Kit for 7-Gang Floor Box



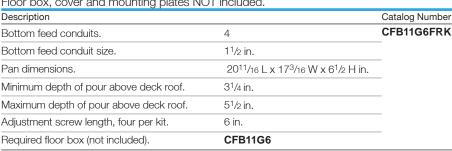




CFB7G6FRK Kit with CFB7G6

Fire-Classified Kit for 11-Gang Floor Box

Floor box, cover and mounting plates NOT included.



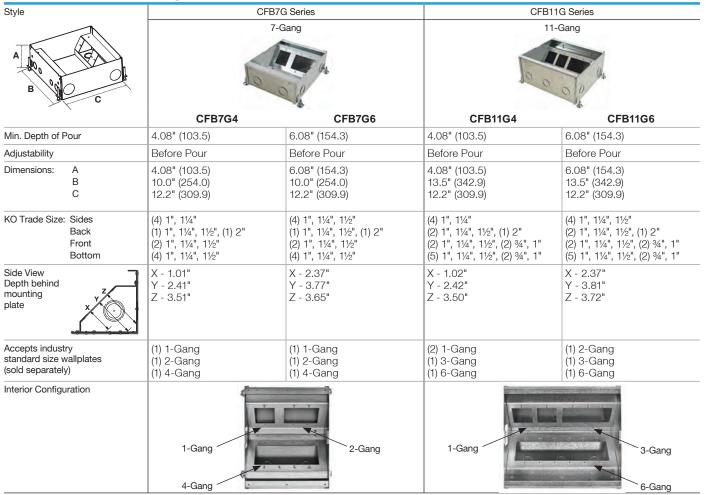


Kit with CFB11G6





Recessed 7- and 11-Gang Concrete Floor Boxes



Note: UL File Number E31999, CSA File Number LR18416.

Accessories

On-grade Barrier

The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

CFBOGPAN4





Pour Pan Dimensions: 15.75 in. sa. 4 in. depth

Floor Box Covers

CFB7G Series CFB11G Series Stainless Steel Stainless Steel Aluminum Black Brass Aluminum Black Brass Flange and cover; Beveled edge for carpet, 1/4" Edging Flange and cover; Beveled edge for carpet, 1/4" Edging CFB7CVRBRS CFB7CVRALU CFB7CVRBLK CFB11CVRBRS CFB11CVRALU CFB11CVRBLK Flange and cover; Square edge for tile, 1/2" Edging Flange and cover; Square edge for tile, 1/2" Edging **CFB7TBRS CFB11TBRS** CFB11TALU **CFB7TALU** Flange and cover; No Edging* Flange and cover; No Edging* CFB7CVRCBLK CFB7CVRCSS CFB11CVRCBLK CFB11CVRCSS

Note: Covers provide a recessed area, allowing floor covering to be inserted. *Not UL Listed or CSA Certified





Recessed 8-Gang Ballroom Series Floor Boxes

Style	CFE	88FC Series
A O O O O	8-Gang CFB8FC1	8-Gang CFB8FC2
Application	Carpet	Tile, Finished Concrete
Min. Depth of Pour	6.95" (176.5)	7.15" (181.6)
Adjustability	Before Pour	Before Pour
Dimensions: A B C	6.95" (176.5) 15.00" (381.0) 13.00" (330.2)	7.15" (181.6) 14.75" (374.7) 12.75" (323.9)
KO Trade Size: Sides Front & Back Bottom	(4) 1", 1½", 1½" (4) 1", 1½", 1½" (4) 1", 1½", 1½"	(4) 1", 1¼", 1½" (4) 1", 1¼", 1½" (4) 1", 1¼", 1½"
Side View Depth behind mounting plate	X = 2.27" (57.7) Y = 4.01" (101.9) Z = 3.13" (79.5)	X = 2.27" (57.7) Y = 4.01" (101.9) Z = 3.13" (79.5)
Accepts industry standard size wallplates (sold separately) 4.63" Maximum Cover Height	One, two, three and four gang plates. Customer configuration dependant.	One, two, three and four gang plates. Customer configuration dependant.
	4-Gang	4-Gang

Note: UL File Number E31999.

Accessories

On-grade Barrier

The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

CFBOGPAN4





Pour Pan Dimensions: 15.75 in. sq. 4 in. depth

Covers

	CFB8FC	1 Covers	CFB8FC	2 Covers
All ballroom floor box covers are machined from Aluminum and have no additional finish options				
Carpet Cover, with 2 egress doors (0.20" depth)	CFB8CVRALU1	_	-	_
Flush cover, with 2 egress doors	_	_	CFB8CVRALU2	_
Blank box cover	_	CFB8JBC1	_	CFB8JBC2
Cover Load Ratings*: Recommended Loading Maximum Load	20,000 lb 40,000 lb	20,000 lb 40,000 lb	20,000 lb 40,000 lb	20,000 lb 40,000 lb

Note: *Load applied through 3" (76mm) mandrel in center of cover. Loads are static and don't apply to rolling loads.

Above-Floor Service Fittings (Single Service)

Hubbell offers a variety of above-floor service pedestals to satisfy just about any requirement. Large capacity enables a choice of services—you can even create your own unique pedestal to satisfy specific requirements. Above floor service fittings are ideal for furniture feed applications.

Pedestals – Metallic – LO-CON (single service only)

Traditional metallic pedestals with die-cast aluminum frame, brushed aluminum housing and stainless steel faceplates. These pedestals are offered as component parts. They mount on floor box covers or floor deck/duct systems with ¾ inch or 1 inch threaded openings.

Create Pedestal - Create your own pedestal to meet specific service requirements. Order housing, face plates and devices separately.





Description	Catalog Number
Frame, housing, ¾ in. chase nipple, without plates.	SC3098A
Frame, housing, 1 in. chase nipple, without plates.	SC3099A
Blank plate.	SS309B
Telephone bushing with 1 in. I.D. and (2) % in. KO for coax.	SS309T
Single receptacle plate with 1.39 in. (35.3) opening.	SS309S
Duplex receptacle plate.	SS309D
Style Line® decorator plate.	SS309DS

Furniture Feed Plates - Use with SC3098A or SC3099A housings to feed furniture systems in office settings or display cases in retail applications.

Description	Catalog Number
Aluminum plate with 3/4 in. trade size knockout.	SS309SF
Aluminum plate, blank.	SS309BF

Note: When using SS309SF on Hubbell's LO-CON pedestals, SS309BF must be used on the opposite side.

Pedestals - Specialized Service - Large Capacity Pedestals (single service only)



Designed to accommodate receptacles up to 50A (4-gang only). These brushed aluminum pedestals are furnished with either a 3/4 inch or 1 inch hub and are designed for mounting to floor box covers with % inch or 1 inch threaded openings. Create your own unique pedestal with a wide choice of stainless steel plates and devices.

Description (2-Gang Housing)	Catalog Number
2-gang aluminum pedestal, grounded (front and back) with ¾ in. hub.	SA6685G
2-gang aluminum pedestal, grounded (front and back) with 1 in. hub.	SA6686G

Plate Option - 1-Gang

Trate Option 1 daily	
Description	Catalog Number
Duplex opening.	SS8
Style Line® decorator opening.	SS26
Single receptacle opening – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	SS7
Single receptacle opening – boss diameter 1.55 to 1.58 in. (39.4 to 40.1).	SS720
Blank plate.	SS13
Description (4-Gang Housing)	Catalog Number
4-gang aluminum pedestal (2 front and 2 back), with ¾ in. hub.	SA6687G
4-gang aluminum pedestal (2 front and 2 back), with 1 in. hub.	SA6688G

Plate Option - 2-Gang

Description	Catalog Number
Two duplex openings.	SS82
Two Style Line® decorator openings.	SS262
Two single receptacle openings – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	SS72
Single receptacle opening – boss diameter 2.41 to 2.44 in. (61.2 to 62.0).	SS701
Single receptacle opening – boss diameter 2.09 to 2.13 in. (53.1 to 54.1).	SS703
Blank plate.	SS23













Features and Benefits

Convention Center Utility Boxes

Painted Galvanized Steel Box (14 Gauge G90)

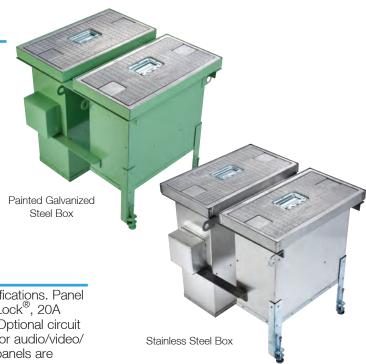
 Cost effective, corrosion resistant paint. Suitable for both on and above-grade applications

Stainless Steel Box (14 Gauge 304)

 Corrosion resistant enclosure suitable for both on and above-grade applications

Listings/Requirements

- UL Listed and CSA Certified
- Meets UL514 requirements for scrubwater and prevents water, dirt and debris from entering the electrical devices



Power and Data Panels*

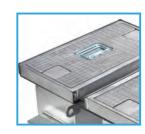
Custom manufactured and pre-wired to your project specifications. Panel options include 100A pin and sleeve, 20A and 30A Twist-Lock[®], 20A GFCI, isolated ground or industrial straight blade devices. Optional circuit breaker protection is available. Up to two gangs available for audio/video/data communication requirements. Both power and data panels are shipped separately after the boxes have been set in concrete.

Note: *Contact Hubbell for available configurations of power and data panels.



Box Design

- Separate enclosure to keep water away from electrical components
- Hooks for tying onto rebar
- 2-gang low voltage compartment
- Custom built panels that accept a wide variety of electrical configurations



Cover Design

 Heavy duty covers, 32,000 lb. load capacity with 2x safety factor



Adjustability

• 4 inch pre-pour adjustability



Air/Water Only Inside View

- Separate enclosure for compressed air/water utilities, prevents air and water from coming in contact with electrical services
- 2 inch drain



Stand Alone Power/Data Box

- Custom manufactured and pre-wired to your project specifications
- Optional circuit breaker protection is available
- Up to 2-gangs available for audio/ video/data communication requirements



Power/Data Box Inside View

- Up to 2-gangs of data
- 20A and 30A devices
- Circuit breakers
- Up to 100A pin and sleeve
- 150A maximum capacity
- Boxes do not ship with power/data panels

Note: *Contact Hubbell for available configurations of power and data panels.



Convention Center Utility Boxes

Metallic Convention Center Utility Boxes*

Steel Convention Center Utility Box	Painted Galvanized Steel Box	Stainless Steel Box
with Cover for Power and Data/Communications.	HBLSCCUBPD	HBLSCCUBPDSS
with Cover for Power, Data/Communications and Air/Water Box.	HBLSCCUBPDW	HBLSCCUBPDWSS
with Cover for Air/Water Only.	HBLSCCUBW	HBLSCCUBWSS

Note: UL File Number E302222.

*All boxes provided with temporary galvanized steel concrete covers.

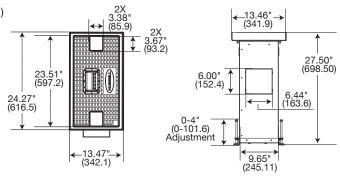
Painted Galvanized Steel Low Voltage Panel

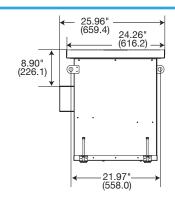
Description	Catalog Number
Data Panel, 2-Gang, 12 Ports	HBLSBDPCC



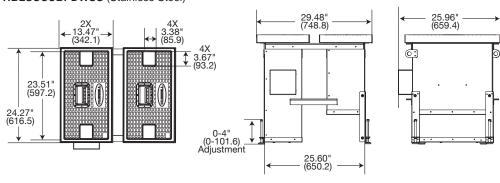
Painted Galvanized or Stainless Steel Metallic Box

Stand Alone Power/Data HBLSCCUBPD (Painted Galvanized) HBLSCCUBPDSS (Stainless Steel)

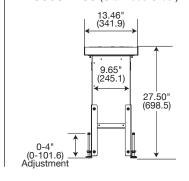




Combination Power/Data/Water
HBLSCCUBPDW (Painted Galvanized)
HBLSCCUBPDWSS (Stainless Steel)

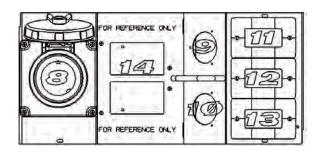


Stand Alone Water/Air Box HBLSCCUBW (Painted Galvanized) HBLSCCUBWSS (Stainless Steel)



Pre-Wired Power Panels

Convention Center Power Panels are custom built to order and pre-wired in the factory to make installation quick and easy. Please contact the factory to configure a power panel for your specific needs.

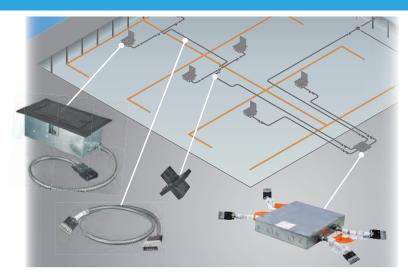


Position	Device Options**
8	Qty. (1) Pin and Sleeve Receptacle, 60A or 100A.
9 & 10	Qty. (2) Twist-Lock® Receptacles (20A or 30A).
11,12,13	Qty. (3) Duplex Receptacles (20A Standard, GFCI or Isolated Ground).
14	Load Center for Circuit Breakers, 8-Pole Positions Max.

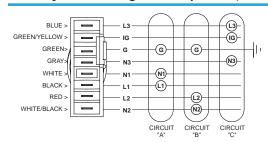
Note: **Contact Hubbell for available configurations of power and data panels.

CONNEXION Zone Distribution System

The Hubbell CONNEXION 2.0 Zone Distribution System is a factory assembled, flexible, modular plug-n-play system with Hubbell AFB Series Boxes that delivers power in raised floor installations. This unique system increases the value of the infrastructure and meets the challenges posed by new construction and renovation in commercial offices, retail outlets and educational facilities. By improving cable management, enhancing flexibility, and reducing administration expense, the CONNEXION 2.0 Zone Distribution System allows power needs to be addressed in a timely and effective manner. The basic CONNEXION 2.0 building blocks are shown below.



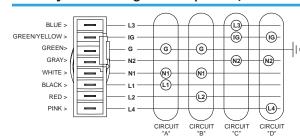
3/3/2 System Configuration (3-Hots, 3-Neutrals, 2-Grounds)



Appropriate for a 120/208 volt 3ØY power distribution and dedicated neutrals are desired.

- · Three circuit capacity.
- Isolated ground capability for sensitive equipment.
- · Each circuit has its own #12 AWG neutral.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (3 hots, 3 neutrals, 1 equipment ground, 1 isolated ground).

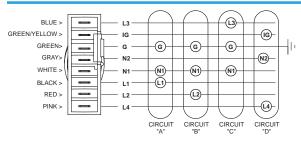
4/2/2 System Configuration (4 Hots, 2 Neutrals, 2 Grounds) 2 + 2 Wiring Configuration



Appropriate in areas where shared neutral conductors are utilized.

- Two circuits share one #10 AWG neutral to manage harmonics for general purpose.
- Two additional circuits share one #10 AWG neutral to manage harmonics for general purpose.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (4 hots, 2 neutrals, 1 equipment ground, 1 isolated ground).

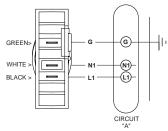
4/2/2 System Configuration (4 Hots, 2 Neutrals, 2 Grounds) 3+ 1 Wiring Configuration



Appropriate in areas where shared neutral conductors are utilized.

- Three circuits share #10 AWG neutral to manage harmonics for general purpose.
- One circuit on dedicated #10 AWG neutral for sensitive equipment.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (4 hots, 2 neutrals, 1 equipment ground, 1 isolated ground).

1/1/1 System Configuration (1 Hot, 1 Neutral, 1 Ground)



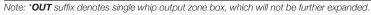
- One circuit capacity.
- Component Rating: 20 amperes at 120/208 volt.
- 3-Wires (1 hot, 1 neutral, 1 equipment ground).

Note: Contact factory for custom wiring configurations.

CONNEXION Zone Distribution System

2.0 Zone Boxes

2.0 Zone Boxes							
Zone Box	Wiring	Output		Circuits			
Part Number	Configuration	Whips	Circuits per Box	per Whip	Home Run Connection Type		
ZB332C3W1POUT*	332	1	3	3	Wire nuts to open leads		
ZB332C6W2P	332	2	6	3	Wire nuts to open leads		
ZB332C12W4P	332	4	12	3	Wire nuts to open leads		
ZB332C3W2TC	332	2	3	3	Single Screw down terminal block		
ZB332C3W4TC	332	4	3	3	Single Screw down terminal block		
ZB332C6W2TM	332	2	6	3	Multi Screw down terminal block		
ZB332C12W4TM	332	4	12	3	Multi Screw down terminal block		
ZB422S2C4W1POUT*	422, 2+2	1	4	4	Wire nuts to open leads		
ZB422S2C8W2P	422, 2+2	2	8	4	Wire nuts to open leads		
ZB422S2C16W4P	422, 2+2	4	16	4	Wire nuts to open leads		
ZB422S2C4W2TC	422, 2+2	2	4	4	Single Screw down terminal block		
ZB422S2C4W4TC	422, 2+2	4	4	4	Single Screw down terminal block		
ZB422S2C8W2TM	422, 2+2	2	8	4	Multi Screw down terminal block		
ZB422S2C16W4TM	422, 2+2	4	16	4	Multi Screw down terminal block		
ZB422S3C4W1POUT*	422, 3+1	1	4	4	Wire nuts to open leads		
ZB422S3C8W2P	422, 3+1	2	8	4	Wire nuts to open leads		
ZB422S3C16W4P	422, 3+1	4	16	4	Wire nuts to open leads		
ZB422S3C4W2TC	422, 3+1	2	4	4	Single Screw down terminal block		
ZB422S3C4W4TC	422, 3+1	4	4	4	Single Screw down terminal block		
ZB422S3C8W2TM	422, 3+1	2	4	4	Multi Screw down terminal block		
ZB422S3C16W4TM	422, 3+1	4	16	4	Multi Screw down terminal block		
ZB111C1W1POUT*	111	1	1	1	Wire nuts to open leads		
ZB111C2W2P	111	2	2	1	Wire nuts to open leads		
ZB111C4W4P	111	4	4	1	Wire nuts to open leads		
ZB111C6W6P	111	6	6	1	Wire nuts to open leads		
ZB111C8W8P	111	8	8	1	Wire nuts to open leads		
ZB111C1W2TC	111	2	1	1	Single Screw down terminal block		
ZB111C1W4TC	111	4	1	1	Single Screw down terminal block		
ZB111C1W6TC	111	6	1	1	Single Screw down terminal block		
ZB111C1W8TC	111	8	1	1	Single Screw down terminal block		
ZB111C2W2TM	111	2	2	1	Multi Screw down terminal block		
ZB111C4W4TM	111	4	4	1	Multi Screw down terminal block		
ZB111C6W6TM	111	6	6	1	Multi Screw down terminal block		
ZB111C8W8TM	111	8	8	1	Multi Screw down terminal block		



2.0 Furniture Feeds

Furniture feeds are junction boxes which come with a pre attached power "IN" connector allowing transition to building hard-wiring underneath the raised floor.

Zone Box	Wiring	Output	Total Number of	Circuits	
Part Number	Configuration	Whips	Circuits per Box	per Whip	Home Run Connection Type
ZB332C3W1PIN	332	1	3	3	Wire nuts to open leads
ZB422S2C4W1PIN	422, 2+2	1	4	4	Wire nuts to open leads
ZB422S3C4W1PIN	422, 3+1	1	4	4	Wire nuts to open leads
ZB111C1W1PIN	111	1	1	1	Wire nuts to open leads

2.0 Extender Cables

Hubbell Connexion 2.0 extender cables have male (power "IN") / female (power "OUT") ends allowing them to be connected in the field as needed. Available in three different versions, 422, 332, and 111, in 5 ft. increments up to 30 ft.

in a r. inclements up to so it.							
422 Family	332 Family	111 Family	Length	Connectors			
CEXT422MFL01	CEXT332MFL01	CEXT111MFL01	1 ft.	Male / Female			
CEXT422MFL05	CEXT332MFL05	CEXT111MFL05	5 ft.	Male / Female			
CEXT422MFL10	CEXT332MFL10	CEXT111MFL10	10 ft.	Male / Female			
CEXT422MFL15	CEXT332MFL15	CEXT111MFL15	15 ft.	Male / Female			
CEXT422MFL20	CEXT332MFL20	CEXT111MFL20	20 ft.	Male / Female			
CEXT422MFL25	CEXT332MFL25	CEXT111MFL25	25 ft.	Male / Female			
CEXT422MFL30	CEXT332MFL30	CEXT111MFL30	30 ft.	Male / Female			
CEXT422FWL01	CEXT332FWL01	CEXT111FWL01	1 ft.	Female / Open			
CEXT422FWL01XP*	CEXT332FWL01XP*	CEXT111FWL01XP*	1 ft.	Female / Open			
CEXT422MWL01	CEXT332MWL01	CEXT111MWL01	1 ft.	Male / Open			
CEXT422MWL01XP*	CEXT332MWL01XP*	CEXT111MWL01XP*	1 ft.	Male / Open			
CEXT422MWL05	CEXT332MWL05	CEXT111MWL05	5 ft.	Male / Open			
CEXT422MWL15	CEXT332MWL15	CEXT111MWL15	15 ft.	Male / Open			

Note: *Standard lead length is 12 in. long. **XP** Suffix denotes 18 in. long leads for installments requiring extra-long wires. 5 piece minimum order quantities.



Zone distribution Boxes are the core of the Connexion 2.0 system. They serve as the main interface between the conventionally connected electrical system and the labor saving Connexion 2.0 system. With a large array of knock outs, they can accept most conduit sizes when run from the circuit breaker panel. They also accept labor saving Homerun cables as part of the Connexion 2.0 system. With depth of 3 inches, the zone boxes will fit in almost any raised flooring system. Custom configurations are also available. Contact Hubbell Wiring Systems for ordering information.



2.0 Splitters

Distributes all cable conductors to up to three locations (one "IN", three "OUTS") to increase the amount of floor boxes fed from a singe Zone Distribution Box output whip.

Catalog Number	Wires	Hot Circuits	
SP31	3	1	
SP83	8	3	
SP84	8	4	

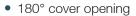






Custom Pre-Wired Access Floor Boxes

Cover



• Two large cable egress doors

• Die cast aluminum construction

Five powder coat finishes

ADA compliant





16 gauge galvanized sheet metal construction

Cable Whip

- Wire leads for field termination
- Pre-wired cable whip

Features and Benefits

- Reduce job site fabrication time and installation labor
- Access Floor Box pre-wired to your specifications
 - Choose from Hubbell quality devices
 - Single or multiple circuit wiring configurations
 - Various cable lengths

- Reduce job site waste
- Pigtail terminates beneath raised floor
- Box covers available in five finishes
- UL Listed Wiring Assembly, file number E305156

Pre-Wired Raised Access Floor Box Options - Contact Hubbell Wiring Systems for Ordering Information

Box Series	Description	Cover Style	Cut Out Dimensions	Conduit Knockouts
AFB2G25PW	2-Gang, 2½" Depth	Rectangular	6¾" x 13½"	1/2" — 3/4"
AFB2G50PW	2-Gang, 5.0" Depth	Rectangular	6¾" x 13½"	1/2" - 2"
AFB4G25PW	4-Gang, 21/2" Depth	Rectangular	11¼" x 11½"	1/2" — 3/4"
AFB4G50PW	4-Gang, 5.0" Depth	Rectangular	11¼" x 11½"	1/2" - 2"
AFB10G55PW	10-Gang, 51/2" Depth	Rectangular	11" x 11¼"	1/2" - 2"
RAFB4PW	4-Gang, 8.0" Depth	Round	8" Diameter	1/2" - 2"

Products at a Glance

Featuring the unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

SystemOne Recessed Raised Access and Wood Floor Applications...



2-Gang Rectangular

Ideal for applications that call for basic power and data/AV requirements. The 2-gang boxes can be used as an access point to electrical or data connections, or as a furniture feed to power interior furniture partitions. Available in two box depths, the 2 ½ in. depth works well in floors using short pedestals; the 5 in. depth is ideal for furniture feed applications. The rectangular covers are available in assorted finishes to enhance any design scheme.

Cover

- 180° cover opening
- Two large cable egress doors
- Listed to UL 514A and UL scrubwater compliant
- Die cast aluminum cover construction
- Available in round, rectangular and furniture feed styles
- All covers are ADA compliant



4-Gang Rectangular

The Hubbell SystemOne 4-Gang Recessed Raised Access or Wood Floor Box delivers AV plus power. Similar to the 2-gang recessed raised access floor box, the 4-gang 2 ½ inch box depth provides a solution for floors using short pedestals. The 5 inch depth is ideal for applications with a lot of requirements. Rectangular covers in a variety of finishes will match any existing or new style.

Rectangular Boxes

- 16 gauge galvanized sheet metal
- 6 in. solid conductor ground pigtail in each gang
- Many boxes allow for 2 in. conduits
- Mounts in tiles ¾ in. to 2 in. thick
- Patent pending, labor saving, easy mount device plates
- Plenum rated box assemblies



4-Gang Round

With an 8 in. diameter, the Hubbell SystemOne 4-Gang Round Recessed Floor Box is ideal for use in raised access floors with pre-cut tile or wood floor coverings. With a variety of finish selections, the round covers blend in with the flooring and overall design of the building. Deep, 2 ¾ in. wiring compartments are ready to accommodate today's most advanced, high-performance power, data and AV needs to supply reliable connectivity.

Round Box

- Fits in 8 in. diameter air diffuser holes
- 16 gauge galvanized sheet metal construction
- Individual grounding screws for each gang
- 2 in. knock-out on the bottom allows for large amounts of data and/or AV devices
- Mounts in tiles ¾ in. to 2 in. thick
- Plenum rated box assemblies

10-Gang Rectangular

Designed to serve high-capacity, multi-service applications, the 10-gang floor box supports installation with an array of Hubbell power, data and AV devices. Third-party mounting plates are available for other manufacturers' devices, including Extron®, Crestron® and FSR®. A 5 ½ in. box depth offers great capacity for connectivity, with the ability accept 2 in. conduit to meet growing AV and data needs. The rectangular covers come in a variety of colors and finishes to enhance any building's design.

Pre-Wired Assemblies

- AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system as shown on page O-38 and O-39
- Plenum rated box assemblies
- Contact Hubbell Territory Manager for details



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FSR[®] is a registered trademark of FSR Inc.

Selecting a SystemOne Recessed Raised Access or Wood Floor Box

To assist with the floor box selection process please have the following information available:

Electrical requirements:	Box depth	Cover style:
Power (each electrical device requires one gang) Data/AV (consult manufacturers' specification for size/volume requirements), number required. Add up total number to determine needed capacity. If necessary capacity is not shown round up to next size. Example: 9-Gang rounds up to a 10-Gang floor box.	Determine maximum tile thickness and stantion height and add together. Box depth can not exceed total.	Round Rectangular

Once this information is gathered start on the right column "capacity" select necessary box, then select the concrete pour depth and on-grade or above-grade application, and finally cover style. Locate inter connecting point of all three categories and move to right to select correct catalog number.

- 1 Capacity: Select necessary box.
- 2 Box Depth: Determine maximum possible depth (tile and stantion height total) and select a depth less than the calculated height.
- 3 Cover Style: Select Round or Rectangular, not all box sizes are available in round.
- 4 Locate interconnecting point of all three categories and move to right to select correct catalog number.

		2 1	⁄2 in.	5	in.	5 ½ in.	6 ¼ in.		
		•	•					AFB2G25	
	O Cong	•	•					AFB2G25CHI	4
	2-Gang			•	•			AFB2G50	ber
				•	•			AFB2G50CHI	Number
0		•						AFB4G25	
Capacity 1		•						AFB4G25CHI	Catalog
Сар	4-Gang			•				AFB4G50	
				•				AFB4G50CHI	Correct
							•	RAFB4BASE	Select (
	10.00==					•		AFB10G55	Sel
	10-Gang					•		AFB10G55CHI	
		Rectangular	Furniture Feed	Rectangular	Furniture Feed	Rectangular	Round		



Features and Benefits

SystemOne Recessed Benefits and Enhancements

Functionality

- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Dirt ingress reduced by egress door brushes
- Meets UL 514A scrubwater requirements with ScrubShield® technology
- Easy selection with common flange for all floor types
- Round and rectangular box versions available
- Plenum rated box assemblies

Value

- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers
- · AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

Online Resources

• BIM models, customer drawings and technical specifications are available on www.hubbell-wiring.com



- Low profile flanges meet ADA requirements
- Hide-away egress doors fold under cover while in use
- 180° opening of main doors



Covers

- Die cast construction available in five finishes
- Furniture feed includes one 2 in. conduit hub and one 1 in. conduit hub with reducer to 3/4 in.
- Maximum static load of 800 lbs. with 2x safety factor*

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.



Rectangular Floor Boxes

- Standard or Chicago version available
- Temporary cover included



- For use with 2, 4 and 6-gang floor boxes
- Easy single screw mounting



Round Floor Boxes

- Corrosion resistant
- Temporary cover included



RAFB4 Plates

• All RAFB4SP series plates are powder coat white

Visit web site for information on Hubbell's Pre-wired, Plug and Play, Connexion System.



SystemOne Recessed 2-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system



Aluminum Powder Coat



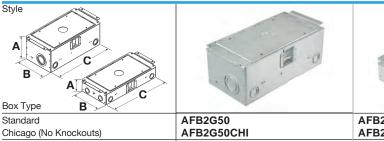
Black Powder Coat



Bronze Powder Coat



Brass Powder Coat



Standard	AFB2G50	AFB2G25	
Chicago (No Knockouts)	AFB2G50CHI	AFB2G25CHI	
Minimum Depth from Top of Floor Tile	5.32" (135.1)	2.88" (73.2)	
Cubic Inch (cm3) Capacity per Gang	60 cu. in. (980 cm ³)	30 cu. in. (491.7 cm ³)	
Furniture Feed; Cubic Inch (cm ³) Capacity per Chamber	135 cu. in. (2212.2 cm ³)	78 cu. in. (1288.3 cm ³)	
Dimensions – A	5.12" (130.1)	2.68" (68.2)	
Dimensions – B	6.32" (160.5)	6.32" (160.5)	
Dimensions – C	12.82" (325.6)	12.82" (325.6)	
KO Trade Size: Ends	(2) ½", (2) 1", 1¼", 1½", 2"	(4) ½", ¾"	
Sides	(4) ½", ¾", 1", 1¼"	(4) ½", ¾"	
Bottom	(4) ½", ¾", 1", 1¼"	(2) ½", ¾", (2) 1", 1¼"	
Floor Thickness	.62- 2.12" (15.7- 53.8)	.62- 2.12" (15.7- 53.8)	
Cover Family	Rectangular	Rectangular	
Temporary Cover Included	✓	√	

Note: UL File Number E31999.

Rectangular Covers (for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- Furniture feed includes one 2 in. conduit hub and one 1 in. conduit hub with reducer to % in.
- Maximum static load of 800 lbs. with 2x safety factor*
- Furniture Feed Covers ship with low voltage dividers

Finish	Without Insert	With Insert	Furniture Feed
Aluminum Powder Coat Black Powder Coat Brass Powder Coat Bronze Powder Coat Satin Nickel Powder Coat	2GAFBCVRALU 2GAFBCVRBK 2GAFBCVRBRS 2GAFBCVRBRZ 2GAFBCVRNK	2GAFBCVRALUC 2GAFBCVRBKC 2GAFBCVRBRSC 2GAFBCVRBRZC 2GAFBCVRNKC	2GAFBFFCVRALU 2GAFBFFCVRBK 2GAFBFFCVRBRS 2GAFBFFCVRBRZ 2GAFBFFCVRNK

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

Plates - for use in 2 and 4-Gang Floor Boxes

riates	- 101 use III 2 and 4	-daily Floor boxes			
• UL 51	4A listed				
Plate Style	(1) Decorator Opening	(1) Duplex Opening	(2) Extron [®] MAAP Openings	(2) Extron [®] Openings	(2) 1U Hubbell iStation Openings
Cat. No.	FBMPREC	FBMPDUP	FBMPMAAP	FBMPAAP	FBMP2IM
	•	.00			
Plate Style	(1) 1.5U Hubbell iStation Opening	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock [®] Ope 1.60 in. Diameter	ening 1-Gang Blank	Cable Feed Through with Bushing
Cat. No.	FBMP15IM	FBMP139	FBMP156	FBMPBNK	FBMPFT
					0
Plate Style	(1) Opening for TracJack [®] or Series II [®]	(2) Hubbell Jack Openings and (4) Jack KOs w/Label Field	(1) Opening with Hul Frame for Keystone		
Cat. No.	FBMPTRAC	FBMP6DJ	FBMP6KS		
				is a registered trademark of Cre	of FSR Inc. TracJack®, Series II®

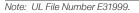


AFB series boxes are available from our SystemOne Recessed 4-Gang Rectangular Floor Boxes, factory as pre-wired assemblies with Covers and Plates For Use In Raised Access or Wood Floors

.62- 2.12" (15.7- 53.8)

Rectangular





Temporary Cover Included

Rectangular Covers (for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- UL 514A listed

Floor Thickness

Cover Family

Maximum static load of 1500 lbs. with 2x safety factor*

Surface Cover Dimensions 13 in. x 131/4 in.				
Without Insert With Insert				
4GAFBCVRALU	4GAFBCVRALUC			
4GAFBCVRBK	4GAFBCVRBKC			
4GAFBCVRBRS	4GAFBCVRBRSC			
4GAFBCVRBRZ	4GAFBCVRBRZC			
4GAFBCVRNK	4GAFBCVRNKC			
	Without Insert 4GAFBCVRALU 4GAFBCVRBK 4GAFBCVRBRS 4GAFBCVRBRZ	Without Insert With Insert 4GAFBCVRALU 4GAFBCVRALUC 4GAFBCVRBK 4GAFBCVRBKC 4GAFBCVRBRS 4GAFBCVRBRSC 4GAFBCVRBRZ 4GAFBCVRBRZC		

.62- 2.12" (15.7- 53.8)

Rectangular

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

Accessories

Description	Catalog Number
AFB4G series replacement dividers.	AFB4GDIVKIT

CONNEXION modular plug-n-play system



Aluminum Powder Coat



Black Powder Coat



Bronze Powder Coat



Brass Powder Coat



Plates - for use in 2 and 4-Gang Floor Boxes

• UL 51	4A listed				
Plate	(1) Decorator	(1) Duplex	(2) Extron®	(2) Extron®	(2) 1U Hubbell
Style	Opening	Opening	MAAP Openings	Openings	iStation Openings
Cat. No.	FBMPREC	FBMPDUP	FBMPMAAP	FBMPAAP	FBMP2IM
		00			
Plate	(1) 1.5U Hubbell	(1) Simplex Opening	(1) Twist-Lock® Opening	g	Cable Feed Through
Style	iStation Opening	1.40 in. Diameter	1.60 in. Diameter	1-Gang Blank	with Bushing
Cat. No.	FBMP15IM	FBMP139	FBMP156	FBMPBNK	FBMPFT
				in on	0
Plate Style	(1) Opening for TracJack [®] or Series II [®]	(2) Hubbell Jack Openings and (4) Jack KOs w/Label Field	(1) Opening with Hubbel Frame for Keystone Jac		
Cat. No.	FBMPTRAC	FBMP6DJ	FBMP6KS		
				® · · · · · · · · · · · ·	(F. F

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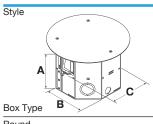


SystemOne Recessed 4-Gang Round Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system



RAFB4NKL with Devices





RAFB4BASE		
6.47" (164.3)		
28.5 cu. in. (460 cm ³)		
6.41" (162.9)		
7.33" (186.2)		
8.05" (204.6)		
(2) 1/2" (2) 3/4", 11/2" - Concentric, (2) 1", 11/4" - Concentric		
(1) 1½", 2" (1) ¾", 1" - Concentric, (1) ¾", 1", 1¼" - Concentric		
.71" (19.1) - 2.50" (63.5)		
✓		
Flange thickness is $\frac{1}{8}$ inches thick and complies with ADA requirements		



RAFB4BRS





Note: UL File Number E31999.









Gray Powder Coat



RAFB4 Series – Round Floor Box with Cover

8 Inch Round Covers- * 1,000 lbs. static cover load

Includes: RAFB4BASE and 8 in. cover					
Cover Finish	Catalog Number				
Brushed Aluminum	RAFB4ALU				
Black Powder Coat	RAFB4BLK				
Brass Plated	RAFB4BRS				
Antique Bronze Plated RAFB4BRZ					
Gray Powder Coat RAFB4GRY					
Satin Nickel Plated	RAFB4NKL				

Round covers are suitab	Round covers are suitable for use with all floor types				
Plate Style	Catalog Number				
Brushed Aluminum Black Powder Coat Brass Plated Antique Bronze Plated Gray Powder Coat Satin Nickel Plated	CFBS1R8CVRALU CFBS1R8CVRBLK CFBS1R8CVRBRS CFBS1R8CVRBRZ CFBS1R8CVRGRY CFBS1R8CVRNKL				

RAFB4 Series - Plates

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

D	All RAFB4SP	series	plates	are	powder	coat	white
---	-------------	--------	--------	-----	--------	------	-------

Cat. No.	RAFB4SPDECO	RAFB4SPDUPLEX	RAFB4SPTL14	RAFB4SPTL16	RAFB4SPBLANK
Style	(1) Decorator	(1) Duplex	1.40 in. Diameter	1.60 in. Diameter	Blank
Plate			(1) Simplex Opening	(1) Twist-Lock® Opening	











Cat. No.	RAFB4SP3UIS	RAFB4SP3MAAP	RAFB4SP2AAP	RAFB4SPORT
Style	Opening for 3 Units	MAAP Modules	AAP Modules	for Ortronics TracJack [®]
Plate	(1) Hubbell iStation	(3) Extron®	(2) Extron®	Opening to Accept Bezels











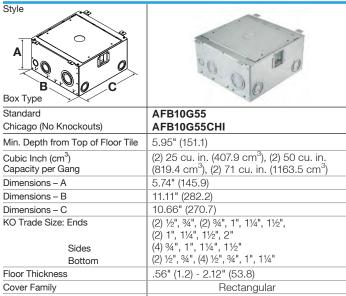
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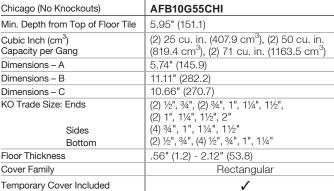
Note: UL File Number E31999.



SystemOne Recessed 8*/10-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system











Satin Nickel Powder Coat

Rectangular Covers

(for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- UL 514A listed
- Maximum static load of 1500 lbs with 2x safety factor**

	Surface Style Covers			
Finish	Without Insert	With Insert		
Aluminum Powder Coat	10GAFBCVRALU	10GAFBCVRALUC		
Black Powder Coat	10GAFBCVRBK	10GAFBCVRBKC		
Brass Powder Coat	10GAFBCVRBRS	10GAFBCVRBRSC		
Bronze Powder Coat	10GAFBCVRBRZ	10GAFBCVRBRZC		
Satin Nickel Powder Coat	10GAFBCVRNK	10GAFBCVRNKC		

Note: **Load applied through a 3 in. (76mm) mandrel in center of the cover.

	for Use in System		ig rioor boxes			
Plate	(1) Decorator	(1) Duplex	Blank		Opening Plate	(2) Openings to Accommodate (6) Ortronics TracJack®
Style	Opening	Opening			lubbell ISF6GY	. ,
Cat. No.	FB10MPREC	FB10MPDUP	FB10MPBNK	FB10MPK	LEY	FB10MPTRAC
•	•	.00		•	•	
Plate Style	(2) Decorator	(2) Duplex Openings	(4) Extron [®] MAAP Modules	(4) Extron [®] AAP Modules	For (6) 1U Hu iStation Mod	
Cat. No.	FB10MP2A	FB10MP2E	FB10MPMAAP	FB10MPAAP	FB10MP2B	FB10MPFT
	(1) Twist-Lock [®] Openin	g (1) Simplex Openir 1.40 in, Dia.	ng (2) Twist-Loc 1,60 in, Dia.		Simplex Opening	(1) Opening for Appliance Receptacle
Style	(Uses 2-Gangs)	(Uses 2-Gangs)	(Uses 3-Gan	gs) (Use	s 3-Gangs)	(Uses 3-Gangs)
Cat. No.	FB10TLA	FB10TLX	FB10TLB	FB1	0TLY	FB10MP3GAPP
			••		•	
Plate Style	(3) Twist-Lock [®] Openin 1.60 in. Dia. (Uses 5-G		Opening . (Uses 5-Gangs)	(2) 2-Gang. Meets Ideal for Crestron® I and Power (Uses 5	DM –TX Product	(4) Single Service Openings Utilizing NEMA Wallplate (Uses 5-Gangs)
Cat. No.	FB10TLC	FB10TLZ		FB10MPNEMA2	(G*	FB10MPNEMA4G*
				0	II.	149 70 01

Note: *Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.

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Features and Benefits

SystemOne 4 inch Recessed Floor Box, for Raised Access and Wood Floors

The AFBS1R4 floor box was designed for use in raised access or wood floors. It installs easily into a 4 inch diameter hole and is retained by two sets of retaining barbs on the side. Electrical connections are made below the walking surface to protect the electrical devices and increase safety by reducing tripping hazards. Intended for areas that require basic power requirements - one duplex, a duplex with two data jacks or a quadplex – the unobtrusive design will blend into any setting. Available in six architectural finishes and utilizing a flange that is ADA compliant at 1/8 inch thick, Hubbell SystemOne Floor Boxes harmonize aesthetics with function and safety.

- UL listed, scrubwater compliant
- Plenum rated box assembly
- Factory configurable with CONNEXION modular plug-n-play system





Box Design

- Durable die-cast aluminum box construction
- Flexible single or dual service
- Easily installs in 4 inch diameter hole,
 5½ inch device depth
- Four ½ inch side knockouts
- One 1, ¾ and ½ inch concentric bottom knockout



Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Safety

- Increased safety with recessed connections
- Low profile flanges meet ADA requirements



- Hide-away egress door fold under cover while in use
- 180° opening of main doors



Easy Mount Device Plates

 All S1R4SP series plates are powder coat white



Applications

 Raised access and wood floor applications in commercial and residential buildings



Pre-Wired Assemblies

- AFBS1R4 series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system
- Contact Hubbell Territory Manager for details



SystemOne 4 inch Recessed Floor Box, for Raised Access and Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

Description	Catalog Number
Floor Box with temporary installation Cover	AFBS1R4BASE
Floor Box (AFBS1R4BASE) with Brushed Aluminum Finish Cover (AFBS1R4CVRALU)	AFBS1R4ALU
Floor Box (AFBS1R4BASE) with Black Powder Coat Finish Cover (AFBS1R4CVRBLK)	AFBS1R4BLK
Floor Box (AFBS1R4BASE) with Plated Brushed Brass Finish Cover (AFBS1R4CVRBRS)	AFBS1R4BRS
Floor Box (AFBS1R4BASE) with Plated Antique Bronze Finish Cover (AFBS1R4CVRBRZ)	AFBS1R4BRZ
Floor Box (AFBS1R4BASE) with Gray Powder Coat Finish Cover (AFBS1R4CVRGRY)	AFBS1R4GRY
Floor Box (AFBS1R4BASE) with Plated Satin Nickel Finish Cover (AFBS1R4CVRNKL)	AFBS1R4NKL



Note: UL File Number E31999.

Replacement Parts

Description	Catalog Number
Low Voltage Divider	AFBS1R4DIV
Replacement Bottom Knockouts	AFBS1R4BOTTOM



Installation

Hole Diameter	4 inch
Bottom Knock out	1 inch, ¾ inch, ½ inch concentric
Side knock out	(4) ½ inch



AFBS1R4BLK



Covers

- Flange diameter is 5.5 inches
- Flange thickness is ¹/₈ inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs, for a static load applied through a 3 inch dia. mandrel with 2x safety factor*

AFBS1R4BOTTOM

Architectural Covers

Description / Catalog Number	Cover	Description / Catalog Number
Brushed Aluminum Finish, Single fold under cable egress door.		Plated Antique Bronze Finish, Single fold under cable egress door.



3.98

(101)



egress door.

4X 1/2"

KNOCKOUT

Cover

Gray Powder Coat Finish, Single fold under cable egress door.

Powder Coat Covers

Description / Catalog Number

Black Powder Coat Finish, Single fold under cable



Plated Brushed Brass Finish, Single fold under cable egress door.

AFBS1R4CVRALU

AFBS1R4CVRBRS



Plated Satin Nickel Finish, Single fold under cable egress door.

5 5/8

AFBS1R4CVRNKL

AFBS1R4CVRBRZ

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

AFBS1R4CVRGRY

Device Mounting Plates

Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate
2X2 Sub-plate with (1) Style Line® decorator device opening and (2) keystone jack openings S1R4SP2X2STYLE	0	(1) Style Line® decorator device opening for power or datacom applications \$1R4\$P\$TYLE	0	2X2 Sub-plate with (1) decorator device opening and (2) Ortronics® TracJack® openings S1R4SP2X2STYLETJ	0
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings S1R4SP2X2DUPLEX	0	(1) Duplex device opening for power or datacom applications S1R4SPDUPLEX	0	2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings S1R4SP2X2DUPLEXTJ	8
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12 inch wire leads Includes © stickers. S1R4SPQUAD		(1) 1.60 inch opening for 20 or 30A Twist-Lock® receptacle	0	(1) 1.40 inch opening for simplex receptacle S1R4SPSIMPLEX	0

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.



Features and Benefits

SystemOne 6 inch Furniture Feed Floor Box, for Raised Access and Wood Floors

The AFBS1R6FF floor box is designed for use in raised access or wood floors. It installs easily into a 6 inch diameter hole and is retained by two pawl arms which swing outwards when tightened by a screw driver. Providing the lowest profile in the industry, the 1/8 inch flange thickness is ADA complaint. The box can also serve as a wiring chamber for power if needed.

Available in six architectural finishes, Hubbell SystemOne Floor Boxes harmonize aesthetics with function and safety.

Description

- UL listed, scrubwater compliant
- Plenum rated box assembly
- Factory configurable with CONNEXION modular plug-n-play system



Pre-Wired Assemblies

- AFBS1R6 series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system
- Contact Hubbell Territory Manager for details



6 inch Recessed Floor Boxes

Floor Box with Temporary Installation Cover



AFBS1R6BASE



AFBS1R6FFBLK



AFBS1R6FFCVRBRS

1	-	1
6	1	
1)	9
1		

Replacement Parts

Note: UL File Number E31999.

6 Inch Round Covers

• Flange Diameter 7.5 inches

with ADA requirements

		-	
1			
(
AFB	S1R6	GROM	

AFBS1R6DIV



Description	Catalog Number		
Low Voltage Divider	AFBS1R6DIV		
Low Voltage Grommet	AFBS1R6GROM		
Low Voltage Gate	AFBS1R6GATE		

• Flange thickness is 1/8 inches thick and complies

Cover load rating is 1,000 lbs, for a static load applied

through a 3 inch dia. mandrel with 2x safety factor*

Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.

Installation	
Hole Diameter	6 inch
Bottom low Voltage Knock out	2 inch
Side low voltage entry	Removable gate, area equal to 2 inch conduit
Bottom Power Knock out	34" 1/2" concentric
Side Power knock out	34" 1/2" concentric
Fastening	2 pawl arms

Floor Box (AFBS1R6BASE) with Brushed Aluminum Finish Cover (AFBS1R6FFCVRALU)

Floor Box (AFBS1R6BASE) with Brushed Brass Plated Finish Cover (AFBS1R6FFCVRBRS)

Floor Box (AFBS1R6BASE) with Antique Bronze Plated Finish Cover (AFBS1R6FFCVRBRZ)

Finish

Brushed Aluminum

Black Powder Coat

Gray Powder Coat

Satin Nickel Plated

Antique Bronze Plated

Brass Plated

Floor Box (AFBS1R6BASE) with Gray Powder Coat Finish Cover (AFBS1R6FFCVRGRY)

Floor Box (AFBS1R6BASE) with Plated Satin Nickel Finish Cover (AFBS1R6FFCVRNKL)

Floor Box (AFBS1R6BASE) with Black Powder Coat Finish (AFBS1R6FFCVRBLK)

7.53 (191.3)	J
)
	″ <mark>†</mark> 3.08
	(78.23) ↓
5.96	
(151.38)	

Catalog Number

AFBS1R6BASE

AFBS1R6FFALU

AFBS1R6FFBLK

AFBS1R6FFBRS

AFBS1R6FFBRZ

AFBS1R6FFGRY

AFBS1R6FFNKL

AFBS1R6FFCVRALU

AFBS1R6FFCVRBLK

AFBS1R6FFCVRBRS

AFBS1R6FFCVRBRZ

AFBS1R6FFCVRGRY

AFBS1R6FFCVRNKL

Catalog Number

SystemOne Fire-Rated Poke-Through and Floor Box Recessed Covers



Two Concrete Floor Applications

Fire-Rated Poke-Throughs are used when the conduits can't be installed in the concrete floor and for tenant improvements.



Floor boxes in concrete applications are used when the connecting conduits can be installed into the concrete floor.



Same Results!

Dynamic Round low profile durable covers





or Furniture Feed Cover Activation



SECTION P

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Hubbell Pedestal Multi-Service Applications



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Hubbell SystemOne Recessed FRPTs

Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhance functionality providing increased power, data and AV capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

10 Inch Concrete Core Hole Applications...



High Capacity Multimedia ApplicationsSub-plate layout for the center four gangs of the ten inch FRPT allows for maximum AV capacity. The NEMA spacing plate allows the product flexibility to easily accept 3rd party products.



Sub-Plates Offer Application FlexibilityPerimeter sub-plates for the ten inch FRPT help compliment the AV or data in the center four gangs. Additionally these plates can be exchanged for other low voltage compatible plates.

10 Inch Recessed Access



Center Sub-Plates with Perimeter Sub-plates

8 Inch Concrete Core Hole Applications...



High Capacity Multimedia Applications Sub-plate layout for the center three gangs of the eight inch FRPT allows for maximum AV capacity. The NEMA spacing allows the product flexibility to easily accept 3rd party products.



Sub-Plates Offer Application Flexibility
Perimeter sub-plates for the eight inch
FRPT help compliment the AV or data
in the center three gangs. Additionally
these plates can be exchange for other
low voltage compatible plates.

8 Inch Recessed Access



Center Sub-Plates with Perimeter Sub-plates

Hubbell SystemOne Recessed FRPTs

Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhance functionality by providing increased power, data and AV capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

6 Inch Concrete Core Hole Applications...



60/40 6 Inch Sub-Plate Split

An Industry first, the 60/40 sub-plate layout allows for unmatched capacity with up to 12 keystone jacks and one 20A duplex.



50/50 6 Inch Sub-Plate Split

Two duplexes with ample AV and data are achieved by using the 50/50 sub-plate layout. Additionally this layout will accommodate two Style Line® devices for GFCI, surge, etc. applications.

6 Inch Recessed Access



4 Inch Concrete Core Hole Applications...



4 Inch Quad Sub-Plate

The pre-wired quad sub-plate can be wired as one circuit or two and includes 12 inch of stranded wire.



4 Inch 2X2 Sub-Plate

The 2x2 sub-plates are available with Style Line® or traditional duplex openings and can accommodate up to two keystone jacks.

4 Inch Recessed Access



Quad Sub-Plate

Multi & Single Service Sub-Plates







How to Order 10, 8, 6 and 4 Inch SystemOne Products

STEP 1: Select Recessed Access Poke-Through

10 Inch



8 Inch



6 Inch



4 Inch



Or Select Furniture Feed Poke-Through

10 Inch



8 Inch



6 Inch



4 Inch



STEP 2: Select Recessed Access Sub-Plate

10 Inch



6 Inch

4 Inch



Center Sub-Plates with Perimeter Sub-plates



Center Sub-Plates with Perimeter Sub-plates



60/40 Split Sub-Plates



Quad Sub-Plates



Open Data/AV Center Sub-Plate with Perimeter Power Sub-Plates



3-Gang Data/AV Center Extension with Perimeter Power Sub-Plates



50/50 Split Sub-Plates



2X2 Sub-Plates

Note: Furniture feed version does not require sub-plates.







How to Order 10, 8, 6 and 4 Inch SystemOne Products

STEP 3: Select Recessed Cover (Aluminum cover shown, see below for all available finishes)

10 Inch



8 Inch



6 Inch



4 Inch

Note: Tamper-Resistant 10 inch covers are also available.

Or Select Furniture Feed Cover (Aluminum cover shown, see below for all available finishes)

10 Inch



8 Inch



6 Inch



4 Inch

Available Cover Finishes













Recommended Fire-Rated Poke-Through Size Chart

To avoid over or under utilizing the capacity of the fire-rated poke-through, first determine how many gangs of power, data and AV are required for the application. The matrix below will guide you to the correct poke-through size.

		Recor	nmended	d Fire-Ra	ted Poke	e-Throug	h Size		
0	5	8"	10"	10"	10"	////			
NGS	4	8"	8"	10"	10"	10"			
GA	3	6"	8"	8"	10"	10"	10"		
/ER	2	6"	6"	8"	8"	10"	10"		
POWER GANGS	1	4"	6"	6"	8"	8"	10"		
_	0	_	4"	6"	8"	8"	8"		
		0	1	2	3	4	5		
		DATA AND AV GANGS							

Exceeds capacity of Hubbell recessed poke-throughs

Example: 2-gangs of power, 1-gang of AV and 1-gang of data is required. Find the intersection for 2 power gangs with 2 data/AV gangs. The highlighted intersection defines the recommended FRPT.





Features and Benefits

SystemOne Recessed 10 Inch Fire-Rated Poke-Through Fittings

- The most dynamic FRPT system with the largest capacity available to meet all multimedia applications where power and voice/data are required
- Maintains concrete floor fire rating up to two hours
- Tamper-resistant recessed covers available
- Furniture feed cover available with (2) generous 2 inch NPT low voltage hubs and (2) 1 inch NPT power hubs
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 10" concrete pre-pour tube





FRPT Design

- Step down installation
- Flexible single or multi-service
- Recessed connections



Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available as recessed or furniture feed
- Tamper-resistant recessed covers available
- Available in six architectural finishes



FRPT Chambers

- 4 inch deep access chamber
- 4.43 inch deep center device chamber
- Dividers to make up to 8 individual services
- Perimeter to perimeter wiring tunnel



Easy Mount Device Plates

- Multiple, open architecture mounting plates for power, data and AV
- 4 center gangs
- 2 full or 4 half independent perimeter gangs



Safety

- Low profile flange, 0.16 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



Bottom Feed Plates

- 9 center chamber and 6 perimeter adaptable feed plates
- Center chamber ranges from 1/2" to 2-1/2"
- Perimeter ranges from ½" to 1-1¼"







SystemOne Recessed 10 Inch Core Hole Kits, for Use In Concrete Floors

10 Inch Fire-Rated Poke-Through

Catalog Number

Hubbell SystemOne 10 Inch Recessed Floor Fitting with Installation Cover

S1R10PTFIT

Catalog Number

S1R10PTALU

S1R10PTBLK

S1R10PTBRS

S1R10PTBRZ

S1R10PTGRY

S1R10PTNKL

Approved for use in the City of Chicago with EMT and full blank bottom feed plates.

Note: See page P-36 for technical information.



S1R10PTFIT

10 Inch Fire-Rated Poke-Through Kits

Kits		

- (1) Hubbell SystemOne 10 inch recessed floor fitting (S1R10PTFIT)
- (2) Hubbell SystemOne 10 inch perimeter device mounting brackets (S1R10PSPREPBRKT)
- \bullet (4) Hubbell SystemOne 10 inch bottom center pass through plate (S1R10CBFPT)
- (3) Hubbell SystemOne 10 inch bottom perimeter blank plate (S1R10PBFBLANK)
- (1) Hubbell SystemOne 10 inch bottom perimeter ¾ inch plate (S1R10PBF075)
- (1) Hubbell SystemOne 10 inch perimeter divider (S1R10PERIMDIV)
- (1) Hubbell SystemOne 10 inch center divider (S1R10CENTERDIV)
- (1) Hubbell SystemOne 10 inch flange and universal cover assembly (S1R10CVRxx)



S1R10PTBRS

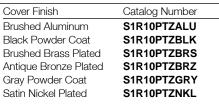
Pre-Wired 10 Inch Fire-Rated Poke-Through Kits

Kits include:

- (1) Hubbell SystemOne 10 inch recessed floor fitting (S1R10PTFIT)
- (2) 20A pre-wired receptacle sub-plates with 24 inch wire leads (S1R10PSPZ)
- (2) Hubbell SystemOne 10 inch perimeter device mounting brackets (S1R10PSPREPBRKT)
- (4) Hubbell SystemOne 10 inch bottom center pass through plate (S1R10CBFPT)
- (3) Hubbell SystemOne 10 inch bottom perimeter blank plate (S1R10PBFBLANK)
- (1) Hubbell SystemOne 10 inch bottom perimeter ¾ inch plate (S1R10PBF075)
- (1) Hubbell SystemOne 10 inch perimeter divider (S1R10PERIMDIV)
- (1) Hubbell SystemOne 10 inch center divider (S1R10CENTERDIV)
- (1) Hubbell SystemOne 10 inch flange and universal cover assembly (S1R10CVRxx)

Receptacles feature single circuit wiring

Note: xx indicates finish options.



Cover Finish

Brushed Aluminum

Black Powder Coat

Gray Powder Coat

Satin Nickel Plated

Brushed Brass Plated

Antique Bronze Plated



S1R10PTZBLK

Recessed 10 Inch Covers

The 10 inch FRPT cover assembly unit includes solid cast aluminum construction and mounting hardware. Covers are recessed and available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.16 inch exceeds ADA requirement and suitable for use on any floor finish. All covers are UL514A, scrubwater compliant. Furniture Feed covers includes (2) 2" Threaded Hubs & (2) 1" Threaded Hubs with 3/4" Reducers.















10 Inch Fire-Rated Poke-Through Covers

Finish	Recessed Cover Catalog Number	TR Recessed Cover* Catalog Number	Furniture Feed Cover** Catalog Number
Brushed Aluminum	S1R10CVRALU	S1R10CVRTRALU	S1R10FFCVRALU
Black Powder Coat	S1R10CVRBLK	S1R10CVRTRBLK	S1R10FFCVRBLK
Brushed Brass Plated	S1R10CVRBRS	S1R10CVRTRBRS	S1R10FFCVRBRS
Antique Bronze Plated	S1R10CVRBRZ	S1R10CVRTRBRZ	S1R10FFCVRBRZ
Gray Powder Coat	S1R10CVRGRY	S1R10CVRTRGRY	S1R10FFCVRGRY
Satin Nickel Plated	S1R10CVRNKL	S1R10CVRTRNKL	S1R10FFCVRNKL

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover.

Rated for static loads only.

^{*}Tamper-resistant covers ship with (1) S1RTR10BIT Torx-T10 bit.

^{**(2)} $\dot{1}$ " NPT plugs for power with (2) $\dot{1}$ " to 34" reducers and (2) 2" NPT plugs for Low Voltage.







SystemOne Recessed 10 Inch Sub-Plates and Bottom Feed Plates

Perimeter Plate Configurations

- Available in pre-wired duplexes or openings to accommodate third party AV devices
- Available in full or ½ gang plates



Perimeter Sub-Plates - Full Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(1) Style Line® decorator opening S1R10PSPD		(1) Duplex opening S1R10PSPI		(1) 1.40" opening for simplex or 15A Twist-Lock® S1R10PSPJ	
(4) Extron® MAPP openings S1R10PSPC		(2) Extron® AAP openings S1R10PSPA		(1) 1.60" opening for 20A & 30A Twist-Lock® S1R10PSPG	

Perimeter Sub-Plates - 1/2 Gang*

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(2) 20A pre-wired receptacles; 24" lead; one circuit (Supplied with isolated ground sticker)		(2) 20A pre-wired receptacles; 25 foot lead; one circuit (Supplied with isolated ground sticker)		(2) 20A pre-wired receptacles; 24" lead; one circuit (Supplied with isolated ground sticker). Marked with "O Controlled"		(2) 20A pre-wired receptacles; 25 foot lead; one circuit (Supplied with isolated ground sticker). Marked with "O Controlled"	
S1R10PSPZ		S1R10PSPZ25		S1R10PSPZC		S1R10PSPZ25C	
(2) 20A pre-wired tamper resistant receptacles; 24 Inch lead; one circuit (Supplied with controlled and isolated ground stickers)		(1) Unit Hubbell iSTATION opening		(1) VGA/HDMI/DP opening		(1) XLR opening	
S1R10PSPZTR		S1R10PSPF		S1R10PSPH		S1R10PSPO	
Perimeter device		Blank cover plate		(2) Extron® MAPP			
bracket.				openings			
S1R10PSPREPBRKT		S1R10PSPB		S1R10PSPV			

Note: *Requires S1R10PSPREPBRKT. See page P-7 for covers and P-10 for accessories.

10 Inch Bottom Feed Plates

1-Gang Center Bottom Feed Plates	Catalog Number
½ inch EMT Feed	\$1R10CBF050
¾ inch EMT Feed	\$1R10CBF075
1 inch EMT Feed	\$1R10CBF100
1¼ inch EMT Feed	\$1R10CBF125
Blank	\$1R10CBFBLANK
Pass through	\$1R10CBFPT**
2-Gang Center Bottom Feed Plates	
1½ inch EMT Feed	S1R10CBF150
2 inch EMT Feed	S1R10CBF200
2½ inch EMT Feed	S1R10CBF250*
Perimeter Bottom Feed Plates	
½ inch EMT Feed	S1R10PBF050
¾ inch EMT Feed	S1R10PBF075
1 inch EMT Feed	S1R10PBF100
1¼ inch EMT Feed	S1R10PBF125
Blank	S1R10PBFBLANK
Pass through	S1R10PBFPT**

Note: *Data/AV wiring only.

**Not approved for use in the City of Chicago. See page P-36 for technical information.

Extron® is a registered trademark of Extron Electronics. Crestron® is a registered trademark of Crestron Electronics, Inc. FSR® is a registered trademark of FSR Inc.

Requires 2 Total; Perimeter Feed Plates Requires 4-Gangs Total; Center Bottom Feed Plates Requires 2 Total; Perimeter Feed Plates

1-Gang Center

Bottom Feed Plate

Perimeter

Bottom Feed Plate

2-Gang Center

Bottom Feed Plate*







SystemOne Recessed 10 Inch Sub-Plates

Center Plate Configurations

- 1, 2, 3 and 4 Gang Device Plates
- Accept third party AV devices (i.e. Extron®, Crestron®, FSR®)
- Multi-gang NEMA spaced plates available



Center Sub-Plates - Single Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(1) Style Line® decorator opening	i	3 Unit Hubbell iSTATION opening		(1) Duplex opening	ė	Blank cover plate	
S1R10CSPD		S1R10CSPL		S1R10CSPI		S1R10CSPB	
(1) XLR opening		(2) XLR openings		(1) 1.40" opening for simplex or 15A Twist-Lock®		(1) 1.60" opening for 20A & 30A Twist-Lock®	
S1R10CSPX		S1R10CSP2X	•	S1R10CSPJ		S1R10CSPG	
(1) VGA/HDMI/DP opening	-	(2) VGA/HDMI/DP openings	-	(4) Extron® MAPP openings		Ortronics® TracJack®/ Series II® opening	
S1R10CSPH		S1R10CSP2H		S1R10CSPC		S1R10CSPK	

Center Sub-Plates - Two Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(2) Style Line® decorator openings NEMA spacing		Blank cover plate		(1) 2.16" opening for 30A & 50A, 3-wire, straight blade receptacle		(4) Extron® APP openings	
S1R10CSPM		S1R10CSP2B		S1R10CSPE		S1R10CSPU	

Center Sub-Plates - Three and Four Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(3) Style Line® decorator openings NEMA spacing		(4) Style Line® decorator openings	
S1R10CSPT		S1R10CSPP	
(4) Blank cover plate		(4) Duplex openings	6666
S1R10CSPQ		S1R10CSPR	

Note: Rectangular sub-plates are for center compartments, crescent sub-plates are for perimeter compartments and are not inter-changeable. See page P-7 for covers, P-8 for bottom feed plates and P-10 for accessories.

Extron® is a registered trademark of Extron Electronics.

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Crestron® is a registered trademark of Crestron Electronics, Inc.

FSR® is a registered trademark of FSR Inc.









SystemOne Recessed 10 Inch Accessories and Replacement Parts



S1R10PPT



S1R10ADMTBK



S1R10CVRBRUSH



10 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	S1R10PPT*
Abandonment plate, black finish.	S1R10ADMTBK
Center divider.	S1R10CENTERDIV
Perimeter divider.	S1R10PERIMDIV
Egress door brushes (1 Pair).	S1R10CVRBRUSH
Perimeter to perimeter wiring tunnel.	S1R10TUNNEL
Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector.	S1FRPTJB
Perimeter device bracket.	S1R10PSPREPBRKT

Note: *Not UL Listed.











10 Inch Replacement Parts

Description	Catalog Number
Intumescent replacement divider.	S1R10INTUMDIV
Replacement furniture feed cover dividers (1 pair).	S1R10FFDIV
Replacement tamper-resistant Torx-T10 bit.	S1RTR10BIT*

Note: *Not UL Listed.

Capacity, Capability and Versatility





Features and Benefits

Pre-Pour Tubes For Increased Installation Efficiency

- Hubbell SystemOne Pre-pour Tubes save installers time and money
 when it counts. Designed for second floor applications and above,
 pre-pour tubes are installed before the concrete slab is poured to
 provide correctly sized circular holes for Fire-Rated Poke-Through
 (FRPT) installation. Pre-pour tubes also ensure that the FRPT is
 placed exactly as specified on the print, while avoiding systems
 within the concrete floor's construction.
- Pre-pour tube installation is quicker and more cost effective as compared to the time-consuming process of concrete core drilling. Additional time and scheduling must be considered for core drilling, along with the possible safety hazards of drilling on job sites. Prior to drilling, professionals take the precaution to use x-ray or ground-penetrating radar (GPR) technology to ensure the core drill does not damage embedded conduits, rebar or tensioned cables. Cutting a tensioned cable can endanger the installer and compromise the structural integrity of the slab. If there is an obstacle, the core drill location must be adjusted, which may impact furniture and powered cubicle layouts.





Pre-Pour Tube Design

- Creates a circular hole for Fire-Rated Poke-Through installation
- For use in poured concrete floors
- The pre-pour tubes can be use in corrugated steel decking or plywood forms



Hardware

- Includes adjustable mounting legs for easy leveling
- The mounting hardware provided allows for installation versatility
- The PVC walls are then easily removed with hand tools, leaving a clean circular hole for FRPT installation



Pre-Pour Tube Sizes

- Hubbell pre-pour tubes are available in 4-, 6-, 8- and 10-inch sizes
- Single use



Installation Design

They consist of extruded PVC segmented dove-tailed walls which easily slide together and are locked with pre-galvanized steel disks to maintain the tube's circular shape under the stress of the concrete pour

Pre-Pour Tubes

Includes all hardware	
Diameter	Catalog Number
4 inches	S1R4PPT
6 inches	S1R6PPT
8 inches	S1R8PPT
10 inches	S1R10PPT

Note: Not UL Listed











Features and Benefits

SystemOne Recessed 8 Inch Fire-Rated Poke-Through Fittings

- Perfect for high capacity multimedia applications where power and low voltage are required
- Maintains concrete floor fire rating up to two hours
- Fitting box standard
- For use in the City of Chicago applications, fitting box is NOT included
- Furniture feed cover available with (1) generous 2 inch NPT low voltage hub and (1) 1 inch NPT power hub
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 8" concrete pre-pour tube





FRPT Design

- Step down installation
- Flexible single or dual service
- Recessed connections



Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Chamber

- Recessed 3.5 inch deep connectivity chamber
- Large wiring compartments
- Fixed wiring chambers
- On-site exchangeable center compartment fitting
- Standard ¾-inch EMT



Easy Mount Device Plates

- Multiple, open architecture mounting plates for power, data and AV
- 3 center gangs
- 2 independent perimeter gangs



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



8 Inch Sub-Plate Features

- Center and perimeter plate configurations
- Available in pre-wired 20A duplex receptacles or data/AV plates
- Multiple 20A duplex receptacles can be wired to a common circuit or independently
- NEMA spacing between devices







SystemOne Recessed 8 Inch Core Hole Kits, for Use In Concrete Floors

Pre-Wired 8 Inch Fire-Rated Poke-Through Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1) • (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ) • (1) Fitting connection box with 1 inch and 1½ inch EMT stubs (S1R8JNC1) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx) Receptacles feature single circuit wiring	Brushed Aluminum Black Powder Coat Brushed Brass Plated Antique Bronze Plated Gray Powder Coat Satin Nickel Plated	S1R8PTZZ1ALU S1R8PTZZ1BLK S1R8PTZZ1BRS S1R8PTZZ1BRZ S1R8PTZZ1BRZ S1R8PTZZ1GRY S1R8PTZZ1NKL
8 Inch Fire-Rated Poke-Through Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1) • (1) Fitting connection box with 1 inch and 1½ inch EMT stubs (S1R8JNC1) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx)	Brushed Aluminum Black Powder Coat Brushed Brass Plated Antique Bronze Plated Gray Powder Coat Satin Nickel Plated	S1R8PT1ALU S1R8PT1BLK S1R8PT1BRS S1R8PT1BRZ S1R8PT1GRY S1R8PT1NKL
Pre-Wired 8 Inch Fire-Rated Poke-Through Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2) • (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ) • (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx) Receptacles feature single circuit wiring	Brushed Aluminum Black Powder Coat Brushed Brass Plated Antique Bronze Plated Gray Powder Coat Satin Nickel Plated	S1R8PTZZ2ALU S1R8PTZZ2BLK S1R8PTZZ2BRS S1R8PTZZ2BRZ S1R8PTZZ2GRY S1R8PTZZ2NKL
8 Inch Fire-Rated Poke-Through Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2) • (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx)	Brushed Aluminum Black Powder Coat Brushed Brass Plated Antique Bronze Plated Gray Powder Coat Satin Nickel Plated	S1R8PT2ALU S1R8PT2BLK S1R8PT2BRS S1R8PT2BRZ S1R8PT2GRY S1R8PT2NKL
Pre-Wired 8 Inch Fire-Rated Poke-Through for Data AV Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3) • (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ) • (1) Fitting connection box with one 2 inch EMT stubs (S1R8JNC3) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx) Receptacles feature single circuit wiring	Brushed Aluminum Black Powder Coat Brushed Brass Plated Antique Bronze Plated Gray Powder Coat Satin Nickel Plated	S1R8PTZZ3ALU S1R8PTZZ3BLK S1R8PTZZ3BRS S1R8PTZZ3BRZ S1R8PTZZ3BRZ S1R8PTZZ3GRY S1R8PTZZ3NKL
8 Inch Fire-Rated Poke-Through Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3) • (1) Fitting connection box with (1) 2 inch EMT stubs (S1R8JNC3) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx)	Brushed Aluminum Black Powder Coat Brushed Brass Plated Antique Bronze Plated Gray Powder Coat Satin Nickel Plated	S1R8PT3ALU S1R8PT3BLK S1R8PT3BRS S1R8PT3BRZ S1R8PT3GRY S1R8PT3NKL
8 Inch Fire-Rated Poke-Through Furniture Feed Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT13) • (1) Fitting connection box with 1 inch and 2 inch EMT stubs (S1R8JNC13) • Low voltage dividers, internal and external intumescent materials (S1R8PTFCOMPKIT) • (1) 8 inch furniture feed cover assembly (S1R8FFCVRxx)	Brushed Aluminum Black Powder Coat Brushed Brass Plated Antique Bronze Plated Gray Powder Coat Satin Nickel Plated	S1R8PTFFALU S1R8PTFFBLK S1R8PTFFBRS S1R8PTFFBRZ S1R8PTFFGRY S1R8PTFFNKL

Note: xx indicates finish options.







SystemOne Recessed 8 Inch FRPT and Covers, for Use In Concrete Floors











Description	Catalog Number
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1FRPTJB box and flexible metal conduit. S1R8JNCxx Series fitting box not included.	S1R8PTFIT
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC1 with (1) 1 inch EMT and (1) 1½ inch EMT. (1) S1FRPTJB box and flexible metal conduit.	S1R8PTFIT1
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT (1) S1FRPTJB box and flexible metal conduit.	S1R8PTFIT2
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT (1) S1FRPTJB box and flexible metal conduit.	S1R8PTFIT3
8 Inch Furniture Feed Fire-Rated Poke-Through includes: S1R8PTFFCOMPKIT (see below). S1FRPTJB box or flexible metal conduit not included. Approved for use in the City of Chicago.	S1R8PTFIT13
8 Inch Fire-Rated Poke-Through includes: (1) $\%$ inch power EMT plus (1) S1R8JNC1 with (1) 1 inch EMT and (1) 1% inch EMT. S1FRPTJB box or flexible metal conduit not included.	S1R8PTFIT1CHI
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT. S1FRPTJB box or flexible metal conduit not included.	S1R8PTFIT2CHI
8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT. S1FRPTJB box or flexible metal conduit not included.	S1R8PTFIT3CHI

Note: See page P-37 for technical information.

Recessed 8 Inch Covers

8 Inch FRPT cover assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant. Furniture Feed covers includes (1) 2" Threaded Hub & (1) 1" Threaded Hub with 3/4" Reducer.



S1R8PTFIT2CHI







S1R8JNC10

S1FRPTJB













Finish Catalog Number Furniture Feed Option Brushed Aluminum S1R8FFCVRALU S1R8CVRALU Black Powder Coat S1R8CVRBLK S1R8FFCVRBLK Brushed Brass Plated S1R8CVRBRS S1R8FFCVRBRS Antique Bronze Plated S1R8CVRBRZ S1R8FFCVRBRZ Gray Powder Coat S1R8CVRGRY S1R8FFCVRGRY Satin Nickel Plated S1R8CVRNKL S1R8FFCVRNKL

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.

Fitting Boxes

Description	Catalog Number	Description	Catalog Number
(1) 1½ inch & (1) 1 inch EMT.	S1R8JNC1	(1) ¾ inch & (1) 1¼ inch EMT.	S1R8JNC8
(2) 1 inch EMTs.	S1R8JNC2	(1) ¾ inch & (2) 1¼ inch EMTs.	S1R8JNC9
(1) 2 inch EMT.	S1R8JNC3	(1) 11/4 inch & (1) 2 inch EMT.	S1R8JNC10
(3) 1 inch EMTs.	S1R8JNC4	(1) 1½ inch & (1) 2 inch EMT.	S1R8JNC11
(1) 1½ inch & (1) 1¼ inch EMT.	S1R8JNC5	(3) 11/4 inch EMTs.	S1R8JNC12
(2) 11/4 inch EMTs.	S1R8JNC6	(1) 1 inch & (1) 2 inch EMTs.	S1R8JNC13
(1) ¾ inch & (2) 1 inch EMTs.	S1R8JNC7		

8 Inch Accessories

<u> </u>			
Description	Catalog Number	Description	Catalog Number
Includes components to convert installed 8" Recessed FRPT to Furniture Feed activation; S1R8JNC13, low voltage dividers, internal and external intumescent materials.	S1R8PTFFCOMPKIT	1 Inch replacement Plug, Brushed Aluminum	S1RPLUG100ALU
		1 Inch replacement Plug, Black Powder	S1RPLUG100BLK
		1 Inch replacement Plug, Brass Plated	S1RPLUG100BRS
		1 Inch replacement Plug, Bronze Plated	S1RPLUG100BRZ
Pre-pour tube, includes hardware.	. S1R8PPT*	1 Inch replacement Plug, Gray Powder	S1RPLUG100GRY
Abandonment plate, black finish.	S1R8ADMTBK	1 Inch replacement Plug, Nickel Plated	S1RPLUG100NKL
Low voltage replacement divider.	S1R8DIV	Power junction box	S1FRPTJB

Note: *Not UL Listed.









SystemOne Recessed 8 Inch Sub-Plates

Center Plate Configurations

- Allows for 3 duplexes or up to 18 data/ AV jacks. Other combinations possible
- Accepts third party AV devices (i.e. Extron®, Crestron®, FSR®)

Standard NEMA spacing between devices



Perimeter Plate Configurations

- Available in pre-wired duplexes or openings to accommodate third party AV devices
- Multiple duplexes can be wired in the supplied junction box or independently



Perimeter Sub-Plates

Center Sub-Plates - Single Gang				Perimeter Sub-Plates			
Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
Blank cover plate		(2) Extron® MAAP openings		Blank cover plate		Single Extron® MAAP opening	Ä
S1R8CSPB		S1R8CSPC		S1R8PSPU		S1R8PSPV	
(1) 1 unit Hubbell iSTATION opening	i	(1) 1.5 unit Hubbell iSTATION opening (See section Y for modules)	i	Pull through with 1" bushing opening	0	Single Extron® AAP opening	A
S1R8CSPD		S1R8CSPE		S1R8PSPW		S1R8PSPX	
(1) 1.60" opening for 20A & 30A Twist-Lock®		(1) Duplex opening	ė	(1) 1 unit Hubbell iSTATION opening (See section Y for modules)		Dual 20A pre-wired power cubes; one circuit (Supplied with isolated ground sticker)	N.
S1R8CSPG		S1R8CSPI				S1R8PSPZ	
(1) 1.40" opening for simplex or 15A		(1) Style Line® decorator	-	S1R8PSPY		S1R8PSPZ25 (25 foot leads)	
Twist-Lock® S1R8CSPJ		opening S1R8CSPK		Dual 20A pre-wired power cubes; one circuit (Supplied with isolated ground sticker); Marked	A	Dual 20A pre- wired power tamper resistant cubes; one circuit (Supplied with	An Control of the Con
(1) Hubbell Jack opening and (3) Jack KOs with Label Field				with "Ó Controlled"; (18 inch leads)		controlled and isolated ground stickers); (18 inch leads)	0
S1R8CSP4DJ				S1R8PSPZC		S1R8PSPZTR	

Center Sub-Plates - Two Gang

0011101 00	ib i iatoo	i wo dang							
Desc/Cat. No.	Sub-plate	Desc/Cat. No.	Sub-plate	Desc/Cat. No.	Sub-plate	Desc/Cat. No.	Sub-plate	Desc/Cat. No.	Sub-plate
Two gang; (4) Extron [®] AAP openings		Two gang; 3 unit Hubbell iSTATION opening (See section Y for modules)		Two gang; (2) Style Line® Decorator openings		Two gang; device depth extension collar (for use with 3rd party data up to 2.5"depth)		Two gang; (2) Hubbell Jack openings and (4) Jack KOs with Label Field	
S1R8CSPA	0 0	S1R8CSPL		S1R8CSPM		S1R8CSPEXT		S1R8CSP6DJ	

Center Sub-Plates - Three Gang

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
Three gang; blank cover plate		Three gang; device depth extension collar (for use with 3rd party data up to 2.5" depth)	(S X X)	Three gang extender with two gang opening; device depth extension collar (for use with 3rd party data up to 2.5" depth)	
S1R8CSPN		S1R8CSPEXT3		S1R8CSPEXT32	

Note: Rectangular sub-plates are for center compartments, crescent sub-plates are for perimeter compartments and are not inter-changeable. See page P-14 for covers and accessories.

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Features and Benefits

SystemOne Recessed 6 Inch Fire-Rated Poke-Through Fittings

- Maintains concrete floor fire rating up to two hours
- Junction box standard
- Includes (1) 2 inch data/AV EMT and (1) ¾ inch power EMT
- For use in the City of Chicago applications, junction box is NOT included
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 6" concrete pre-pour tube





FRPT Design

- Step down installation
- Flexible single or dual service
- Recessed connections



Cover

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available as recessed or furniture feed
- Available in six architectural finishes



Chamber

- Recessed 3.5 inch deep connectivity chamber
- Large wiring compartments divides up to 2.9 inch (73mm) deep
- Adaptable low voltage divider
- 2-inch EMT bottom feed
- ¾-inch EMT bottom feed



Easy Mount Device Plates

 Multiple, open architecture mounting plates for power, data and AV



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



6 Inch Sub-Plate Features 60/40 or 50/50 Device Plate Combinations

- Allows for a wide array of data and AV connectivity with a 20A duplex receptacle
- The two plates can be independently wired







SystemOne Recessed 6 Inch Core Hole Kits, for Use In Concrete Floors

Pre-Wired 60/40 Split 6 Inch Fire-Rated Poke-Through for Data AV Kits

Kits include:

- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (2) Decorator opening sub-plate (S1R6SPW)
- (2) 20A, pre-wired receptacle with 18 inch wire leads (S1R6SPZ)
- (1) Set 1½ inch sub-plate extensions (S1R6SPEXT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Receptacles feature single circuit wiring.

Cover Finish	Catalog Number
Brushed Aluminum	S1R6PTWZALU
Black Powder Coat	S1R6PTWZBLK
Brushed Brass Plated	S1R6PTWZBRS
Antique Bronze Plated	S1R6PTWZBRZ
Gray Powder Coat	S1R6PTWZGRY
Satin Nickel Plated	S1R6PTWZNKL



S1R6PTWZALU

Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Hubbell Data AV Kits

Kits include:

- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (4) 1 Unit Hubbell iSTATION openings (S1R6SPD)
- (1) Decorator opening and (2) keystone openings (S1R6SPE)
- (4) 20A, pre-wired receptacles (S1R6SPH)
- (1) Set 11/2 inch sub-plate extensions (S1R6SPEXT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Opening architecture Keystone openings accept Hubbell modular jacks and many others.

Receptacles feature single or two circuit wiring and isolated ground capability.

Catalog Number
S1R6PTDEHALU
S1R6PTDEHBLK
S1R6PTDEHBRS
S1R6PTDEHBRZ
S1R6PTDEHGRY
S1R6PTDEHNKL



S1R6PTDEHBLK

Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Hubbell or Third Party Devices Kits

Kits include:

- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (3) Extron® AAP openings (S1R6SPA)
- (5) Extron® MAPP openings (S1R6SPC)
- (1) Decorator opening and (2) Hubbell keystone openings (S1R6SPE)
- (4) 20A, pre-wired receptacles (S1R6SPH)
- (1) Set 11/2 inch sub-plate extensions (S1R6SPEXT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Opening architecture Keystone openings accept Hubbell modular jacks and many others.

Receptacles feature single or two circuit wiring and isolated ground capability.

Cover Finish	Catalog Number
Brushed Aluminum	S1R6PTACEHALU
Black Powder Coat	S1R6PTACEHBLK
Brushed Brass Plated	S1R6PTACEHBRS
Antique Bronze Plated	S1R6PTACEHBRZ
Gray Powder Coat	S1R6PTACEHGRY
Satin Nickel Plated	S1R6PTACEHNKL



S1R6PTBRS

6 Inch Fire-Rated Poke-Through with Finished Cover Kits

Kits include:

- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (1) Set 1½ inch sub-plate extensions (S1R6SPEXT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Cover Finish	Catalog Number
Brushed Aluminum	S1R6PTALU
Black Powder Coat	S1R6PTBLK
Brushed Brass Plated	S1R6PTBRS
Antique Bronze Plated	S1R6PTBRZ
Gray Powder Coat	S1R6PTGRY
Satin Nickel Plated	S1R6PTNKL



6 Inch Fire-Rated Poke-Through for Furniture Feed Applications Kits

Kits include:

- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (1) 6 inch furniture feed flange and cover assembly (S1R6FFCVRxx)
- (1) 2 inch conduit fitting
- (1) ¾ inch conduit fitting
- (1) Set 11/2 inch sub-plate extensions (S1R6SPEXT)

Cover Finish	Catalog Number
Brushed Aluminum	S1R6PTFFALU
Black Powder Coat	S1R6PTFFBLK
Brushed Brass Plated	S1R6PTFFBRS
Antique Bronze Plated	S1R6PTFFBRZ
Gray Powder Coat	S1R6PTFFGRY
Satin Nickel Plated	S1R6PTFFNKL



S1R6PTFFNKL

Note: xx indicates finish options.

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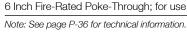






SystemOne Recessed 6 Inch FRPT and Covers, for Use In Concrete Floors





6 Inch Fire-Rated Poke-Throughs Description Catalog Number 6 Inch Fire-Rated Poke-Through. S1R6PTFIT 6 Inch Fire-Rated Poke-Through; for use in the City of Chicago. S1R6PTFITCHI

Recessed 6 Inch Covers

6 Inch FRPT cover assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant. Furniture Feed covers include (1) 2" Threaded Hub & (1) 3/4" Threaded Hub.



S1R6PTFITCHI















Cover Finish	Catalog Number	Furniture Feed Option
Brushed Aluminum	S1R6CVRALU	S1R6FFCVRALU
Black Powder Coat	S1R6CVRBLK	S1R6FFCVRBLK
Brushed Brass Plated	S1R6CVRBRS	S1R6FFCVRBRS
Antique Bronze Plated	S1R6CVRBRZ	S1R6FFCVRBRZ
Gray Powder Coat	S1R6CVRGRY	S1R6FFCVRGRY
Satin Nickel Plated	S1R6CVRNKL	S1R6FFCVRNKL

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover.



S1R6SPEXT

6 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	S1R6PPT*
Abandonment plate, black finish.	S1R6ADMTBK
Low voltage replacement divider.	S1R6DIV
Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector.	S1FRPTJB
Replacement 1½ inch extension kit, ships with 6" FRPT kits and S1R6PTFIT(CHI)	S1R6SPEXT
Power junction box	S1FRPTJB2

Note: *Not UL Listed.

S1RFFFIT2

Rep	lacement	Furniture	Feed	Fitting
_				

Description	Catalog Number
2 inch furniture feed fitting.	S1RFFFIT2



R	е	placement	Plugs

Finish	2 Inch	3/4 Inch
Brushed Aluminum	S1RPLUG2ALU	S1RPLUG075ALU
Black Powder Coat	S1RPLUG2BLK	S1RPLUG075BLK
Brushed Brass Plated	S1RPLUG2BRS	S1RPLUG075BRS
Antique Bronze Plated	S1RPLUG2BRZ	S1RPLUG075BRZ
Satin Nickel Plated	S1RPLUG2NKL	S1RPLUG075NKL







SystemOne Recessed 6 Inch Sub-Plates, for Use In Concrete Floors

60/40 Device Plate Combination

- Allows for up to twelve data/AV jacks plus a 20A duplex receptacle
- Two plates which can be wired independently



Left 60% Sub-Plates

ECIT 00 /0 Oub			
Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(1) Extron® MAAP opening, (4) Extron® MAAP openings, (1) Extron® MAAP opening, left side only	G	(2) MAAP and (2) AAP Extron® openings, left side only	
S1R6SPT*		S1R6SPU*	
(1) Style Line® decorator and (2) Extron® MAAP openings, left side only		(2) Style Line® decorator openings, left side only	
S1R6SPV*		S1R6SPW*	
(1) Style Line® decorator and (2) Extron® AAP openings, left side only		(1) Style Line® decorator and (2) 1.5 unit Hubbell iSTATION openings, left side only (See section Y for modules)	
S1R6SPX*		S1R6SPY*	

Right 40% Sub-Plates

rugiit 1070 Gai	, , , , , , , , , , , , , , , , , , , 		
(2) 20A pre-wired receptacles; 16" lead; one circuit, right side only (Supplied with isolated ground sticker)		(2) 20A pre-wired receptacles; 25 foot lead; one circuit, right side only (Supplied with isolated ground sticker)	•
S1R6SPZ		S1R6SPZ25	
(2) 20A pre-wired receptacles; 16" lead; one circuit, right side only (Supplied with isolated ground sticker); Marked with "O Controlled"	1		
S1R6SPZC			

Note: Sub-plates can not be rotated to create additional layouts. When assembled, sub-plates can not overlap. Custom plates available upon request and may be subject to minimum order quantity.

*Sub-plates must only be used for Data/AV. Do not mix with power devices. See page P-18 for covers and accessories.

50/50 Device Plate Combination

- Allows for up to eight Hubbell data jacks plus two 20A duplex receptacles
- Two plates which can be wired independently



Left 50% Sub-Plates

Description/Cat. No.	Sub-plate	Description/Cat. No.	Sub-plate
(3) Extron® AAP plate openings, left side only		Blank cover plate, left side only	
S1R6SPA		S1R6SPB	
(5) Extron® MAAP plate openings, left side only		(4) 1 unit Hubbell iSTATION openings, left side only (See section Y for modules) S1R6SPD	
(1) Style Line®		(2) 1.5 unit	
decorator and (2) Hubbell keystone openings, left side only		Hubbell iSTATION openings, left side only (See section Y for modules)	
S1R6SPE*		S1R6SPF	
(3) Extron® MAAP openings and (2) Hubbell keystone jack openings, left side only		(1) Style Line® decorator opening, left side only	
S1R6SPL		S1R6SPM	
(1) Decorator opening and (2) Ortronics® TracJack® openings, left side only	1	(2) Hubbell Jack openings and (4) Jack KOs with Label Field	
S1R6SPN		S1R6SP6DJ	П

side only		Label Field					
S1R6SPN		S1R6SP6DJ					
Right 50% Sub-P	Right 50% Sub-Plates						
(1) Duplex device opening, right side only	8	(1) Style Line® Decorator device opening, right side only					
S1R6SPI		S1R6SPK					
(1) 1.60" opening for 20A and 30A Twist-Lock®, right side only	Ò	(1) 1.40" opening for simplex or 15A Twist-Lock [®] , right side only	ò				
S1R6SPG		S1R6SPJ					
(4) 20A pre-wired receptacles; one or two circuits, right side only (Supplied with isolated ground sticker) S1R6SPH (16" leads)	44	(4) 20A pre-wired receptacles; 16" leads; one or two circuits, right side only; Marked with "O Controlled" S1R6SPHC4 (4 Controlled)	44				
S1R6SPH25		(+ Controlled)					

S1R6SPHC2

(3) 20A pre-wired tamper resistant receptacles; one circuit, right side only (Supplied with controlled and isolated ground stickers)

S1R6SP3RTR

(25 foot leads)



Extron® is a registered trademark of Extron Electronics. TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.





Features and Benefits

SystemOne Recessed 4 Inch **Fire-Rated Poke-Through Fittings**

- Maintains concrete floor fire rating up to two hours
- Junction box standard, 27 cubic inches
- (1) ¾ inch conduit for power and (2) ½ inch conduits for low voltage
- For use in the City of Chicago applications, junction box is NOT included
- Works with time and labor saving 4" concrete pre-pour tube





FRPT Design

- Step down installation
- Flexible single or dual service
- Recessed connections



Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Chamber

- 3-inch deep user access chamber
- Deep wiring chamber for GFCI and USB devices
- Low voltage dividers
- Perimeter chamber: (2) 1/2 inch EMTs bottom feed
- Center chamber: (1) ¾ inch EMT bottom feed



Easy Mount Device Plates

- Field configurable device plates
- Multiple, open architecture mounting plates for power, data and AV



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- Hide-away egress door folds under cover while in use
- 180° opening of main door



4 Inch Sub-Plate Features

- Sub-plates accept Hubbell keystone jacks
- Third party sub-plates accept Ortronics® TracJack®

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.







SystemOne Recessed 4 Inch Core Hole Kits, for Use In Concrete Floors

Pre-Wired, 4 Inch Quad Receptacle Kit, Recessed Connectivity,
Fire-Rated Poke-Through for Power Only

Kits include:

- (1) Hubbell SystemOne 4 inch recessed floor fitting (S1R4PTFIT)
- (1) Hubbell pre-wired quad receptacle with mounting plate (S1R4SPQUAD)
- (1) Hubbell SystemOne 4 inch recessed activation cover (S1R4CVRxx)
- (1) Hubbell Junction box (S1FRPTJB)

Cover Finish	Catalog Number
Brushed Aluminum	S1R4PTQUADALU
Black Powder Coat	S1R4PTQUADBLK
Brushed Brass Plated	S1R4PTQUADBRS
Antique Bronze Plated	S1R4PTQUADBRZ
Gray Powder Coat	S1R4PTQUADGRY
Satin Nickel Plated	S1R4PTQUADNKL



S1R4PTQUADALU

4 Inch Fire-Rated Poke-Through Kit, Recessed Connectivity

Kits include:

- (1) Hubbell SystemOne 4 inch recessed floor fitting (S1R4PTFIT)
- (1) Hubbell SystemOne 4 inch recessed activation cover (S1R4CVRxx)
- (1) Hubbell Junction box (S1FRPTJB)

Cover Finish	Catalog Number
Brushed Aluminum	S1R4PTALU
Black Powder Coat	S1R4PTBLK
Brushed Brass Plated	S1R4PTBRS
Antique Bronze Plated	S1R4PTBRZ
Gray Powder Coat	S1R4PTGRY
Satin Nickel Plated	S1R4PTNKL



S1R4PTBRS

Note: xx indicates finish options.

SystemOne Recessed 4 Inch FRPT and Covers, for Use In Concrete Floors

4 Inch Fire-Rated Poke-Throughs

Description	Catalog Number
4 Inch FRPT includes: Junction box and low voltage dividers.	S1R4PTFIT
4 Inch FRPT includes: Low voltage dividers, junction box NOT included.	S1R4PTFITCHI
4 Inch FRPT includes: Quad sub-plate and junction box.	S1R4PTQUAD

Note: See page P-22 for sub-plates and accessories. See page P-39 for technical information.



Recessed 4 Inch Covers

Single fold under cable egress door. Unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant.















S1R4PTFITQUAD

Cover Finish	Catalog Number
Brushed Aluminum	S1R4CVRALU
Black Powder Coat	S1R4CVRBLK
Brushed Brass Plated	S1R4CVRBRS
Antique Bronze Plated	S1R4CVRBRZ
Gray Powder Coat	S1R4CVRGRY
Satin Nickel Plated	S1R4CVRNKL

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.







SystemOne Recessed 4 Inch Sub-Plates and Accessories

The 4 Inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch exceeds ADA requirements and suitable for use on any floor finish. All covers are UL514A, scrubwater compliant.



Device Mounting Plates

Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate	Description / Catalog Number	Sub-plate
2X2 Sub-plate with (1) Style Line® decorator device opening and (2) keystone jack openings		(1) Style Line® decorator device opening for power or datacom applications		2X2 Sub-plate with (1) Style Line® decorator device opening and (2) Ortronics® TracJack® openings	
S1R4SP2X2STYLE		S1R4SPSTYLE		S1R4SP2X2STYLETJ	
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings		(1) Duplex device opening for power or datacom applications	(8)	2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings	
S1R4SP2X2DUPLEX	en	S1R4SPDUPLEX	· ·	S1R4SP2X2DUPLEXTJ	
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12" wire leads	66	(1) 1.60" opening for 20A or 30A Twist-Lock® receptacle		(1) 1.40" opening for simplex receptacle	
S1R4SPQUAD	•	S1R4SPTWIST	en	S1R4SPSIMPLEX	en

Note: See section Y for data jacks and frames.



For low light applications (i.e. under tables or podiums) consider using Hubbell's LED illuminated receptacles: HBL8200ILW 15A, LED or HBL8300ILW 20A, LED.

HBL8300ILW





4 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	S1R4PPT*
Abandonment plate, black finish.	S1R4FRPTADMTBK
Low voltage replacement divider.	S1R4DIV
Note: *Not I II listed	·

Design Solutions for:

Retail, Cafeterias, Commercial Office Space, Mass Transit Hubs, Education.



Tile Carpet Terrazzo

For Technical files, including BIM models, CAD files and Customer drawings, please visit www.hubbell-wiring.com under the Technical tab.

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.







Features and Benefits

SystemOne Recessed 4 Inch Furniture Feed Fire-Rated Poke-Through Fittings

- Excellent solution for retrofit and new construction
- Maintains concrete floor fire rating up to four hours
- One ¾ inch conduit for power and one 1½ inch conduit for low voltage
- Junction box standard, 27 cubic inches
- For use in the City of Chicago, junction box is NOT included
- Works with time and labor saving 4" concrete pre-pour tube



4 Inch Furniture Feed FRPT with Accessories



FRPT Design

- Step down installation
- Flexible single or dual service
- Adjustable lower fire barrier accommodates concrete floor thicknesses from 2½ to 7 inch



Cover Construction

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Chambers

- Fittings include removable metallic low voltage divider
- Cover hubs in-line with fitting EMT conduits for easy wiring
- (1) 1½ inch EMT conduit for low voltage
- (1) 3/4 inch EMT conduit for power



Furniture Feed Cover Design

- Seamless one piece design
- (1) 11/2 inch EMT conduit for low voltage
- (1) ¾ inch EMT conduit for power
- 5½ inch diameter flange



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- UL514A scrubwater compliant



Application Compatibility

- Hubbell PolyTuff® I conduits
- Hubbell SwivelLok® fittings
- Metallic/Non-metallic liquidtight fittings







SystemOne Furniture Feed 4 Inch Core Kits, Covers and Accessories







S1R4PTFFBLKJ



S1R4PTAVFIT



S1R4PTAVFITJ



S1R4PPT



SystemOne Furniture Feed 4 Inch Core Kits, Use In Concrete Floors

FRPT, Furniture Feed Flush Connectivity	Cover Finish	Without Juction Box	With Juction Box
Kits Include: (1) Hubbell SystemOne 4 Inch flush furniture feed fitting (S1R4PTAVFIT) (1) Hubbell SystemOne 4 Inch flush furniture feed activation cover (S1R4FFCVRxx)	Brushed Aluminum	S1R4PTFFALU	S1R4PTFFALUJ
	Black Powder Coat	S1R4PTFFBLK	S1R4PTFFBLKJ
	Brushed Brass Plated	S1R4PTFFBRS	S1R4PTFFBRSJ
	Antique Bronze Plated	S1R4PTFFBRZ	S1R4PTFFBRZJ
	Gray Powder Coat	S1R4PTFFGRY	S1R4PTFFGRYJ
	Satin Nickel Plated	S1R4PTFFNKL	S1R4PTFFNKLJ

SystemOne Furniture Feed 4 Inch FRPT and Covers, Use In Concrete Floors

4 Inch Furniture Feed Fire-Rated Poke-Throughs	
Description	Catalog Number
4 Inch FRPT Includes: low voltage divider, junction box NOT included	S1R4PTAVFIT
4 Inch FRPT Includes: low voltage divider and junction box	S1R4PTAVFITJ

Flush 4 Inch Furniture Feed Covers

One piece cover solid cast aluminum construction with (1) 11/2" hub for low voltage and (1) 3/4" hub for power. All covers are UL514A, scrubwater compliant. Liquid-tight fittings not included.













S1R4FFCVRALU S1R4FFCVRBLK S1R4FFCVRBRS S1R4FFCVRBRZ S1R4FFCVRGRY S1R4FFCVRNKL

Cover Finish Catalog Number

Brushed Aluminum
Black Powder Coat
Brushed Brass Plated
Antique Bronze Plated
Gray Powder Coat
Satin Nickel Plated

Note; COVER LOAD RATING: 1,000 lbs. with 2x safety factor. Load applied through a 3" (76mm) dia. Mandrel at the center of cover without fittings installed. Rated for static loads only.

4 Inch Furniture Feed Accessories

+ mon r drintare r cea Accessories	
Description	Catalog Number
Pre-pour tube, includes mounting hardware.	S1R4PPT*
Abandonment plate, black finish.	S1R4FFADMTBK

Note: *Not UL Listed.

Products at a Glance

Featuring the innovative SystemOne product line, Hubbell's offering of Fire-Rated Poke-Throughs (FRPT) products provide installers with a broad range of options to support a wide array of connections. Hubbell SystemOne flush FRPTs install in a 4 inch core hole and provide users the flexibility to create personal solutions for their most demanding applications.

Hubbell SystemOne Flush FRPTs for 4 Inch Concrete Core Hole Applications...



Multi-Service Applications

This Hubbell SystemOne sub-plate incorporates two Style Line® rectangular openings. These can be used for a variety of power and/or data applications. It will accommodate 15 or 20 amp, standard, isolated ground, GFCI or surge protected receptacles. Using communication frames it can provide up to a 6-port multi-service or a 12-port all communication solution.



Multimedia Applications

Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio and video markets. Some sub-plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series AV modules.



4X4 Applications

Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for Hubbell's Snap Fit, flush mount modular jacks and AV connectors.

Traditional Hubbell FRPTs for 3 Inch and 2 Inch Concrete Core Hole Applications...



Flush Applications

Hubbell offers a variety of single and multi-service flush fire-rated poke-through products. It incorporates a Hubbell Style Line®, 20 amp, duplex receptacle and two Hubbell Category 6 data jacks. The jacks mount flush to the cover for an unobtrusive appearance. Various colors and all brass versions are available.



Pedestal Applications

Hubbell offers single and multi-service pedestal style FRPTs for those applications requiring above-the-floor connections. Available in 2, 4 or 6-gang sizes, pedestal FRPTs provide more power and low voltage connections to the desktop than most flush configurations in a 3 Inch core hole.



Furniture Feed Applications

Hubbell offers single and multiple service flush and pedestal style FRPTs that deliver power and voice/data cabling to feed furniture systems. Various models can feed up to 2 inch conduit and can accommodate up to 36 Category 5e data cables.

Extron® is a registered trademark of Extron Electronics.





Features and Benefits

SystemOne Flush 4 Inch Core Through Floor Fittings



- Step down installation clips allow the fitting to be installed or removed from the floor above
- Fire barrier expands during fire conditions to maintain the floor's fire rating
- Adjustable lower fire barrier accommodates concrete floor thicknesses from 2¼ to 7 inch
- Oversized EMT conduit tubes for increased cable capacity

Features

- Accepts all Hubbell SystemOne universal covers and flush sub-plates
- Excellent solution for retrofit and new construction
- Delivers power, voice, data and multimedia
- UL listed for use in 1 4 hour fire rated floors at 100% rated fill
- Available with integral power junction box
- SystemOne Fire-Rated Poke-Throughs are approved for use in the City of Chicago
- UL installation spacing minimum 2 feet on center, not more than one per 65 square feet of floor area in each span

Universal Flange and Cover Assembly







- Hinged doors open 180 degrees flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Fire-Rated Poke-Throughs and Floor Boxes
- Finishes and colors available:

Black



Aluminum Finish



Brass Finish



Gray



lvory

Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA requirements for accessible design

Hubbell SystemOne Flush Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, additions and changes. See page P-27 for additional information.



4x4 Sub-Plate



Datacom and Power Sub-Plate



Extron® APP/MAPP and Power Sub-Plate



Dual Style Line® Decorator Sub-Plate



Twist-Lock® Sub-Plate



Furniture Feed Cover. Carpet

Furniture Feed

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Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron[®] Electronics Architectural Series AV system integration products
- Accommodates GFCI, surge and standard Style Line[®] Decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility







SystemOne Flush Systems 4 Inch Core Hole One-Piece Units, for Use In Concrete Floors

Color

Black

Hubbell SystemOne 4 Inch Core Hole, One-Piece Units

All Hubbell SystemOne 4 Inch core, one-piece units include the sub-plate and cover to simplify your order and reduce installation time. Units are also available with a power junction box installed. The junction box is also available for purchase separately.



Catal	log N	lum	ber
with .	Junc	tion	Box

One-Piece 4X4 Poke-Through

Assembled-unit includes:

Description

- Hubbell SystemOne 4X4 floor fitting (S1PT4X4FIT)
- 4x4 sub-plate (S1SP4X4)
- Finish flange and universal carpet cover assembly (S1CFCxx)
- 4-hour fire classification

Keystone openings accept Hubbell modular jacks, X-END connectors and flush multimedia snap fit connectors. Receptacles feature single or two circuit wiring and isolated ground capability.



Aluminum Finish

Black/Brass Finish

Brass Finish

S1PT4X4AL S1PT4X4BRS S1PT4X4BRS3 S1PT4X4BL S1PT4X4GY

S1PTAL

S1PTBL

S1PTGY

S1PTBRS

Catalog Number

without Junction Box

S1PT4X4ALJ S1PT4X4BRSJ S1PT4X4BRS3J S1PT4X4BLJ S1PT4X4GYJ



One-Piece Dual Style Line® Decorator Poke-Through Assembled-unit includes:

- Hubbell SystemOne dual channel floor fitting (S1PTFIT)
- Dual Style Line® decorator opening sub-plate (S1SP)
- Finish flange and universal carpet cover assembly (S1CFCxx)
- 4-hour fire classification

Style Line® decorator openings accept two Style Line® decorators or one surge or GFCI receptacle and one Style Line® decorator receptacle. Outlet frames can be used to convert the application to a 6-port multi-service or a 12-port all communication solution. Fitting is 4-hr rated at 100% fill to accommodate (12) Cat. 6A cables (0.330" diameter).





S1PTALJ S1PTBRSJ S1PTBLJ S1PTGYJ



One-Piece Modular AV Poke-Through

Assembled-unit includes:

- Hubbell SystemOne AV floor fitting (S1PTAVFIT)
- 20A, 125V power and 3-unit Hubbell iSTATION sub-plate (S1SP3IM)
- Finish flange and universal carpet cover assembly (S1CFCxx)
- 4-hour fire classification

The Hubbell iSTATION's recessed opening can accommodate data/voice/audio and video solutions including15-pin VGA, RCA, S-Video, 3.5mm stereo, X-END, HDMI and XLR microphone jacks.





S1PT3IMAL S1PT3IMBRS S1PT3IMBL S1PT3IMGY

S1PT3IMALJ S1PT3IMBRSJ S1PT3IMBLJ S1PT3IMGYJ



S1PT3IMAL

One-Piece Furniture Feed Poke-Through

Assembled-unit includes:

- Hubbell SystemOne AV floor fitting (S1PTAVFIT)
- Hubbell SystemOne furniture feed cover plate (S1SPFFxx)
- 4-hour fire classification

This solution provides one 34 in. conduit for power and one 1½ in. conduit for low-voltage. Furnished with two screw-in flexible metal conduit connectors.

Aluminum Finish Brass Finish Black Gray



S1PTFFAL S1PTFFBRS S1PTFFBL S1PTFFGY

S1PTFFALJ S1PTFFBRSJ S1PTFFBLJ S1PTFFGYJ



S1PTFFGY

Note: *Junction box factory installed on through floor fitting. See pages P-40 and P-41 for technical information.







SystemOne Flush Systems 4 Inch Core Hole Three-Piece Units, for Use In Concrete Floors

S1PT4X4FITJ

Hubbell SystemOne 4 Inch Core, Three-Piece Units



S1PT4X4FITJ

Catalog Number Description without Junction Box S1PT4X4FIT

4X4 Through Floor Fitting

Through floor fitting with two ¾ in. EMT for communications and one 3/4 in. EMT for power. For use with Hubbell SystemOne universal covers and S1SP4X4 and S1SPTL series sub-plates only. Universal cover and sub-plate ordered separately. 4-hour fire classification.

Catalog Number with Junction Box*



Dual Channel Through Floor Fitting

Through floor fitting with two 1 in. EMT conduit stems to feed power and/or communication services. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates except S1SP4X4 and S1SPTL series. Universal cover and sub-plate ordered separately. 4-hour fire classification.

S1PTFIT

S1PTAVFIT

S1PTFITJ

S1PTAVFITJ



AV Through Floor Fitting

Through floor fitting with one ¾ in. EMT conduit stem for power and one 1½ in. EMT conduit stem for communication services. Ideal for demanding, high capacity AV and data requirements. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates except S1SP4X4 and S1SPTL series. Universal cover and sub-plate ordered separately. 4-hour fire classification.

Note: *Junction box factory installed on through floor fitting. See pages P-40 and P-41 for technical information.

Hubbell SystemOne Universal Cover

- · Cast aluminum construction
- Durable powder coat finish

Finish/Color	Carpet	

Aluminum Finish S1CFCAL S1TFCAL S1CFCBRS S1TFCBRS Brass Finish S1CFCBL S1TFCBL Black S1CFCGY S1TFCGY Gray S1CFCI S1TFCI Ivory



Brass Aluminum Finish Finish







Poke Through Accessories

•	٠.,	_	• • •	. •	~ 5	,	•	 _	•	-	_	•	•••
D	escri	pti	on										

Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes.

S1AP4BL Black S1AP4GY Gray

Color

Gray

Catalog Number

Fire-Rated Closure Plug

Abandonment Plates

Used to seal a 4 Inch core hole when the FRPT is no longer required and the through-floor fitting is removed. Maintains the floor's 1-4 hour fire rating.

S1FRP4BL Black S1FRP4GY

Power Junction Box

For use with SystemOne Fire-Rated Poke-Throughs. Provides 27.0 cubic inches. (1) ¾ and (1) 1" EMT connector supplied.

Trade size knockouts: Top (1) 1 inch

Bottom (1) ¾ inch Sides (2) ½ inch (1) ¾ inch



4 Inch Dia., Pre-Pour Tube

Includes hardware.



S1R4PPT*

Note: *Not UL Listed.



Aluminum Fin.



SystemOne Flush Sub-Plates

Description Style Line® Decorator/GFCI (2) Style Line® decorator openings for power and/or datacom



Description

Duplex/Duplex (2) Duplex openings for power and/or datacom applications.



Description

Duplex/Style Line® Decorator (1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications.



Hubbell 4 X 4

Includes O stickers.

applications.

(4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability.



Carpet Furniture Feed Cover/Flange*

(1) 3/4" and (1) 11/2" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes carpet flange.



Tile Furniture Feed Cover/Flange*

(1) 3/4" and (1) 11/2" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes tile flange.



Provided with 15 ft. wire leads Provided with 30 ft. wire leads

S1SP4X415 S1SP4X430

Aluminum Fin. Brass Finish Black Gray

S1SPFFAL S1SPFFBRS S1SPFFBL S1SPFFGY

Brass Finish Black Gray **Hubbell DataCom + Duplex**

S1SPFFTAL S1SPFFTBRS S1SPFFTBL S1SPFFTGY

Single Receptacle + Data

Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors.



Hubbell DataCom + Power

(1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications.



(1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.



Marked with "O Controlled"

Hubbell DataCom

1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications.



S1SP3IMC

Active Multimedia + Power Single 20A, 125V receptacle; (2) flush

Keystone openings; (1) rectangular Style Line® decorator opening to accommodate active multimedia modules or low voltage outlet frames.



S1SPAMM20

Hubbell DataCom + Style Line® Decorator

(1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.

Recessed opening for (3) single

Extron® MAAP series adapter



Extron® or FSR + Power

Marked with "O Controlled"

(1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.



Marked with "O Controlled" Extron® or FSR

Single-Service Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.



Marked with "O Controlled"

plates or FSR IPS plates.

Extron® or FSR + Power

(1) 20A, 125V receptacle.

Extron® AAP + Power

(1) 20A 125V receptacle, (2) flush Keystone & recessed opening for (2) single Extron® AAP Series adapter plates.



S1SPEXT4

S1SPEXT1

Ortronics Series II® + Power (1) 20A, 125V receptacle. Recessed opening for (3) 1 unit Ortronics Series II® modules.



Ortronics TracJack® + Power

(1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules.



Marked with "O Controlled"

Marked with "O Controlled" S1SPEXT4C

S1SPORT S1SPORTC

Marked with "O Controlled"



Panduit Mini Com® 4 X 4

(4) 20A, 125V receptacles. (4) Openings for Panduit Mini-Com Connectivity.



SYSTIMAX® 4 X 4

(4) 20A, 125V receptacles. (4) Openings for SYSTIMAX® Connectivity.



Siemon MAX® + Power

(1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules.



Includes 🖰 stickers.

Description

S1SP4X4PAC Includes 🖰 stickers.

S1SP4X4SYSC Marked with "O Controlled"

S1SPMAX S1SPMAXC

Note: *Furnished with two screw-in flexible metal conduit connectors. See Network Wiring section for complete offering of Hubbell jacks, frames and datacom accessories. See page P-30 for FRPT Configuration Chart.

Sub-Plate Accessories

Replacement Threaded Con Used with S1SPFFx and S1SF Sub-plate is supplied with plug	PFFTx only.	
Color	11/2" Plug	¾" Plug
Aluminum Finish	S1FP15AL	S1FP34AL
Brass Finish	S1FP15BRS	S1FP34BRS
Black	S1FP15BL	S1FP34BL
Gray	S1FP15GY	S1FP34GY

Description	Catalog Number
Replacement for S1SPMAX . Sub-plate is supplied with data frame. Works with Siemon MAX®.	S1DFMAX
Replacement for S1SPTRAC sub-plate. Sub-plate is supplied with data frame. Works with Ortronics TracJack [®] .	S1DFTRAC
Blank Style Line® decorator frame, Black. 2-Port Style Line® decorator frame, Black. 4-Port Style Line® decorator frame, Black. 6-Port Style Line® decorator frame, Black.	NS620BK ISF2BK ISF4BK ISF6BK



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					Floor	Boxes*		•	US WILLI OL		
SystemOne Configurat			Non-		FIOOI	Metal				4" Core Hol ted Poke-T	
			Metallic			Wictai			40000		- Carg
(except S1PFI	use in the City of Chicago B)	0.		100					Ħ		
Sub-Plates	Ot 1- 1 : @ D (OFO)		S1PFB	S1CFB	S1SFB	S1SFBCR	S1SFBAV	S1SFBAVCR	S1PTFIT	S1PT4X4FIT	S1PTAVFIT
S1SP	Style Line® Decorator/GFCI		3	3.5	3.5	3.5	3.5	3.5	/ +	X	1
S1SPDU	Duplex/Duplex	(B)	3	3.5	3.5	3.5	3.5	3.5	/ +	X	1
S1SPDUSL	Duplex/Style Line® Decorator	1	3	3.5	3.5	3.5	3.5	3.5	/ +	X	1
S1SP4X4 S1SP4X4PA S1SP4X4SYS	Hubbell 4 X 4 Panduit Mini-Com® 4 X 4 SYSTIMAX® 4 X 4	A	4	4	4	(4)	4	4	X	/ +	X
S1SP4X4C S1SP4X4PAC S1SP4X4SYSC	Marked with "O Controlled"	3							^	V +	^
S1SPTL	Twist-Lock® Receptacle + Data	0	4	4	4	4	4	4	X	/ +	X
S1SP3IM	Hubbell DataCom + Power	0	5	5	5	5	5	5	1	X	√ +
S1SP4IM	Hubbell DataCom	0	3.5	3.5	3.5	3.5	3.5	3.5	1	X	/ +
S1SPDU2IM	Hubbell DataCom + Duplex	(1)	5	5	5	5	5	5	1	X	/ +
S1SPSL2IM	Hubbell DataCom + Style Line® Decorator	0	<u>5</u>	5	<u>5</u>	5	5	5	1	X	/ +
S1SPFFxx (Carpet) S1SPFFTxx	Furniture Feed Cover/Flange (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).		3	3.5	3.5	3.5	3.5	3.5	1	X	/ +
(Tile)	F										
S1SPEXT1 S1SPEXT1C	Extron® or FSR + Power Marked with "O Controlled"		4	4	4	4	4	4	1	X	/ +
S1SPEXT2 S1SPEXT2C	Extron® or FSR + Power Marked with "O Controlled"		4	4	4	4	4	4	1	X	/ +
S1SPEXT3	Extron® or FSR Single-Service	Ŏ	4.5	4.5	4.5	4.5	4.5	4.5	1	X	/ +
S1SPEXT4	Extron® or FSR + Power								_		_
S1SPEXT4C	Marked with "O Controlled"	U	4	4	4	4	4	4		X	/ +
S1SPORT	Ortronics Series II® + Power	-							_		
S1SPORTC	Marked with "O Controlled"	U	5	5	5	5	5	5		X	√ +
S1SPTRAC	Ortronics TracJack® + Power									V	
S1SPTRACC	Marked with "O Controlled"		5	5	5	5	5	5		X	/ +
S1SPMAX	Siemon MAX® + Power				(5)			(5)		V	,
S1SPMAXC	Marked with "O Controlled"		5	5	5	5	5	5	/	X	√ +
S1SPAMM20	Active Multimedia + Flush Keystone + Power	A	5	5	5	5	5	5	1	Х	/ +
S1SPAMM20C											
S1CFCxx (Carpet)	SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace			Signifies mir Hubbell Sys			e pour in inc	ches for	Recommended Floor Fitting	Alternative Floor Fitting	Not Compatible
S1TFCxx (Tile)	"xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).		Mini-Com® a	and Panduit®	are registere	ed trademark:	s of Panduit (a registered to Corp. SYSTIM, red trademark	rademark of AX® is a regis	The Siemon (stered tradem	Company.







Traditional Flush 2X2 FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

2X2 Flush FRPT, One-Piece Units (PT2X2FIT)

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
2X2 Poke-Through Non-metallic Cover	Black/Aluminum Black/Aluminum Black Gray Black Gray	PT2X2ALU3 PT2X2IGALU3 PT2X2BL PT2X2GY PT2X2IGBL* PT2X2IGGY*	2X2 Poke-Through	Black/Brass Brass Finish/Brass Black/Brass Brass Finish/Brass	PT2X2BRS3 PT2X2BRS PT2X2IGBRS3* PT2X2IGBRS*
Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks Painted or brushed aluminum flange Approved for use in the City of Chicago			 Pre-wired 20A Style Lir receptacle and (2) Cat Solid brass flange Approved for use in th 	egory 6 data jacks	

Note: *Includes pre-wired 20A isolated ground Style Line® decorator duplex receptacle.

2X2 Flush FRPT, Two-Piece Units

Description	Catalog Number	
Multi-Channel Through-Floor Fitting with (1) ¾ in. EMT stem with junction box for power and (2) ½ in. EMT stems for low voltage.	PT2X2FIT	 Specifications: 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) For 21/4 in. to 7 in. floor thickness UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area Approved for use in the City of Chicago

Service Fittings

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
2X2 Service Fitting Non-metallic Cover/ Aluminum Flange	Black/Aluminum Black Gray	PT2X2SFALU3 PT2X2SFBL PT2X2SFGY	2X2 Service Fitting Non-metallic Cover/ Brass Flange	Black/Brass Brass Finish/Brass	PT2X2SFBRS3 PT2X2SFBRS
Pre-wired 20A Style Line receptacle and (2) Cate Painted or brushed alun	gory 6 data jacks		Pre-wired 20A Style Line® receptacle and (2) Catego Solid brass flange		

Accessories

Description	Color/Material	Catalog Number	Description	Color/Material	Catalog Number
Non-metallic Replacement Covers	Brass Finish Black Gray	PT2X2CBRS PT2X2CBL PT2X2CGY	Closure Plug Textured aluminum plug seals 3 in. core hole when FRPT is no longer required and is removed. Maintains the floor's 1 – 4 hour fire rating. UL Listed and CSA Certified.	Gray	FRP250

Note: See page P-43 for technical information.





Traditional Flush Duplex FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

Flush Duplex FRPT, One-Piece Units

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
Flush Poke-Through	Black Brown Gray Ivory Gray Ivory	PT7FSDBLA PT7FSDBRA PT7FSDGYA PT7FSDIA PT7IGFSDGYA* PT7IGFSDIA*	Flush Brass Poke-Through	All Brass Black/Brass All Brass	PT7FSDBRS2A PT7FSDBRS3A PT7IGFSDBRSA*
Complete assembled unit in Pre-wired 20A duplex rec Non-metallic flip lid cover (2) ½ in. diameter low vol feed-through holes Painted aluminum flange	ceptacle with tage		Complete assembled unit inc Pre-wired 20A duplex rece All brass or black non-met Flip lid cover with (2) ½ in. low voltage feed-through h Solid brass flange	eptacle allic cover option diameter	

Note: *Includes pre-wired 20A isolated ground duplex receptacle.

Flush FRPT, Two-Piece Units

Multi-Channel Through-Floor Fitting with (1) ¾ in. EMT stem for power and (2) ½ in. low voltage feed-through holes.

Catalog Number

PT7FSD (with Junction Box)
PT73SD (without Junction Box)



Specifications

- 1 4 hour fire rating (1 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 21/4 in. to 7 in. floor thickness
- UL installation spacing minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area

Service Fittings

Description

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
Flush Aluminum Service Fitting	Black Brown Gray Ivory	FRFBLA FRFBRA FRFGYA FRFIA	Flush Brass Service Fitting	Solid Brass	FRFBRS2A
Complete assembled ur Pre-wired 20A duplex Non-metallic flip lid cc (2) ½ in. diameter low feed-through holes Painted aluminum flar	receptacle over with voltage		 Complete assembled Pre-wired 20A dupl Solid brass flip lid or (2) ½ in. diameter lo feed-through holes Solid brass flange 	ex receptacle over with ow voltage	

Accessories

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
Non-metallic Replacement Covers	Black Brown Gray Ivory	PFBRCBLA PFBRCBRA PFBRCGYA PFBRCIA	All Brass Replacement Covers	Solid Brass	BRS2RCA

Note: See page P-35 for 3 Inch FRPT accessories. See page P-43 for technical information.





Traditional Flush Furniture Feed FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

Large Capacity, Single-Service Flush Furniture Feed FRPT, Two-Piece Units

Large Capacity, Single-Service Flu	Large Capacity, Single-Service Flush Furniture Feed FRF1, Two-Piece Offics				
Description	Catalog Number	Description	Color/Material	Catalog Number	
Large Capacity, Single-Service Through Floor Fitting with (1) 2 in. EMT stem. Will accommodate up to 36 Category 6 cables.	PT2FIT	Large Capacity Cover/Flange	Brass Finish Black Gray	FF2BRS FF2BK FF2GY	
Specifications:1- to 2-hour fire ratingSingle-Service, Power or Data	T	Specifications: • Cover/flange with 1½ trade size combination	on knockout		
 For 2¼ to 7 in. floor thickness 		Painted aluminum co	over and flange		

 UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area

• Approved for use in the City of Chicago

Approved for use in the City of Chicago



Note: See page P-44 for technical information.

Flush Furniture Feed FRPT, One-Piece Units

Description	Color	Catalog Number	Description	Color	Catalog Number
3-Service Furniture Feed Poke-Through	Black Gray Ivory	PT73FFSDBK PT73FFSDGY PT73FFSDI	Single-Service Furniture Feed Poke-Through	Black Gray Ivory	 PT7FFSDGY PT7FFSDI
Complete assembled unit inclu PT73SD floor fitting Aluminum cover with (2) ½ i threaded hubs for low voltage (1) ¾ in. threaded hub for polymers. Painted aluminum flange	n. ge and		Complete assembled unit incli PT71SD floor fitting Aluminum cover with (1) KC to accept a ¾ in. connector Painted aluminum flange)	

Note: See page P-44 for technical information.

Flush Furniture Feed FRPT, Two-Piece Units

Description	Catalog Number	Description	Catalog Number
3-Service Furniture Feed Through- Floor Fitting with (1) ¾ in. EMT stem for power and (2) ½ in. low voltage conduit holes.	PT73SD	Single-Service Furniture Feed Through-Floor Fitting with (1) % in. EMT stem for power or low voltage applications.	PT71SD
Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)		Specifications: • For 2½ to 7 in. floor thickness • UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area	

Service Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
3-Service Furniture Feed Service Fitting	Black Gray Ivory	FRF3BK FRF3GY FRF3I	Single-Service Furniture Feed Service Fitting	Brass Finish Black Gray	FRF1BRS FRF1BK FRF1GY
Complete assembled unit inc Aluminum cover with (2) ½ threaded hubs for low volta (1) ¾ in. threaded hub for p Painted aluminum flange	in age and		Complete assembled unit incl Aluminum cover with (1) KC to accept a ¾ in. connecto Painted aluminum flange)	

Note: See page P-35 for 3 Inch FRPT accessories. See page P-44 for technical information.



Painted Pedestal FRPT 2 and 3 Inch Core Hole Units, for Use In Concrete Floors

3 Inch Core Hole, Two-Piece Unit

2 Inch Core Hole, Two-Piece Unit

Description	Catalog Number	Description	Catalog Number
Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1½ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications.	РТ7ХС	Multi-Service Pedestal Through-Floor Fitting with (1) ¾ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications.	PT27A
 Specifications: 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) For 2¼ in. to 7 in. floor thickness Approved for use in the City of Chicago 		 Specifications: 1 - 4 hour fire rating (1 - 3 hour for steel floor units and concrete topping, D900 Series Design) For 21/4 in. to 7 in. floor thickness Approved for use in the City of Chicago 	

Note: See page P-45 for technical information.

Pedestal Service Fittings (Order 1 plate per gang)

Aluma Finiah			Color	Catalog Number	Description	Color	Catalog Number
Alum. Finish Black Gray	FR280ALA FR280BKA FR280GYA	4-Gang	Black Gray	FR480BKA FR480GYA	6-Gang	Black Gray	FR680BKA FR680GYA
7A only.		Use with P	T27A or PT7	XC.	Use with PT	27A or PT7XC	Э.
EDOSORKA		1			. B. B. J. J.		₽ , , ,
	Gray 7A only.	Gray FR280GYA 7A only.	Gray FR280GYA 7A only. Use with P	Gray FR280GYA 7A only. Use with PT27A or PT7.	Gray FR280GYA 7A only. Use with PT27A or PT7XC.	Gray FR280GYA 7A only. Use with PT27A or PT7XC. Use with PT	Gray FR280GYA 7A only. Use with PT27A or PT7XC. Use with PT27A or PT7XC.

- Painted aluminum housing with low voltage barrier(s); plates and devices sold separately
- For additional barriers, use FRBR1, see page P-33.
- UL Listed and CSA Certified

Note: See page P-45 for technical information.

Pedestal Face Plates (Order 1 plate per gang)

Description	Color/Material	Catalog Number		Description	Color/Material	Catalog Number	
Duplex	Black Gray	SS2309DBKA SS2309DGYA	.00.	Furniture feed (¾ in. KO)	Alum. Finish Black Gray	SS2309FALA SS2309FBKA SS2309FGYA	. 0 .
Style Line [®] / GFCI	Black Gray	SS2309SLBKA SS2309SLGYA		Furniture feed (1 in. KO)	Black Gray	SS2309F1BKA SS2309F1GYA	. 0 .
Single receptacle (1.39 in. OD)	Black Gray	SS2309SBKA SS2309SGYA	· •·.	Bushed data opening (1 in. ID)	Black Gray	SS2309TBKA SS2309TGYA	
Blank	Alum. Finish Black Gray	SS2309BALA SS2309BBKA SS2309BGYA		Painted alum UL Listed and			



Brushed Aluminum Pedestal FRPT 3 Inch Core Hole Two-Piece Units, for Use In Concrete Floors

Through-Floor Fitting

Pedestal Service Fitting

Description	Catalog Number	Description	Color/Material	Catalog Number
Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1½ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications. Specifications: 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design). For 2¼ in. to 7 in. floor thickness. Approved for use in the City of Chicago.	PT7XC	2-Gang Pedestal Service Fitting For use with PT7XC only. Specifications: Brushed aluminum housin with low voltage barrier. Pland devices sold separate	Brushed Aluminum g ates	FR80AL

Note: See pages P-45 and P-46 for technical information.

Plates

Description	Catalog Number		Description	Catalog Number	
Duplex	SS309D		Furniture feed (% in. KO)	SS309SF*	, PRILL ,
Style Line®/GFCI	SS309DS	•	Furniture feed, blank	SS309BF*	· Space
Single receptacle (1.39 in. OD)	SS309S	300	Bushed data opening (1 in. ID)	SS309T	
Blank	SS309B	6 6	302/304 stainless steel p (SS309SF and SS309BF UL Listed and CSA Certi	are aluminum).	

Note: *For furniture feed applications using SS309SF, a blank SS309BF must be used for second plate.

3 Inch Core Hole FRPT Accessories

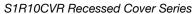
Description	Color	Catalog Number	Description	Color/Gang	Catalog Number
Flush FRPT Abandonment Plate Use with PT7FSD, PT73SD or PT71SD only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains.	Gray Ivory	AP2GY AP2I	PT7XC Extension Kit Extends PT7XC FRPT to accommodate between 7 in. and 13 in. floor thickness.	_	EXT13
Multi-Service Furniture Feed Replacement Inserts Use as a replacement cover for PT73FFSD series, or to convert installed PT7FSD series into furniture feed FRPTs. Includes (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power. (UL Listed only.)	Gray Ivory	FF3GY FF3I	Pedestal FRPT Abandonment Plate Use with PT27A or PT7XC only. Covers the opening when FRPT is abandoned. Service fitting is removed and through- floor fitting remains.	Gray/ 2-gang Gray/ 4-gang	AP22 3 3 AP42
Replacement Low Voltage Barrier Use with FR280, FR480, and FR680 pedestal service fittings only when additional power/low voltage separation is required.		FRBR1			



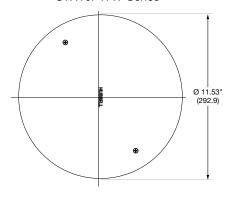


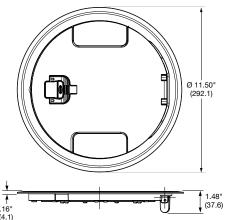
Hubbell SystemOne Recessed 10 Inch Series

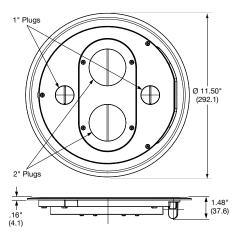
S1R10PTFIT Series

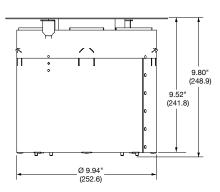


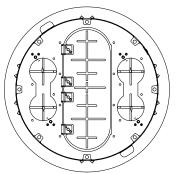
S1R10CVRFF Cover Series











Fitting Bottom View

Product Information

- · Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black and gray powder coat.
- S1R10PSPZ series sub-plates supplied with pre-wired dual 20A receptacles. Wired with three #12 AWG solid conductors.
- Receptacles can be wired as dual circuit and isolated ground.
- S1R10FFCVR series furnished with one (2) 1 in. to ¾ in. threaded reducer
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the
 center of the cover. Rated for static loads only.

Application Data

- Mounted in 10 in. (254.0) cored concrete diameter through hole.
- Minimum floor thickness: 21/4 in. (57.2).
- UL Listed for fire resistance in 1 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm ²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm ²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm ²)

UL Listed Wiring Capacity

	S1R10PT Recessed S	eries	S1R10PT FF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	Center Chamber .0978 sq. in.	Perimeter Chambers (each) .0408 sq. in.	Each 1 in. Power Hub .1304 sq. in.	Each 2 in. Low Voltage Hub .0962 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings.

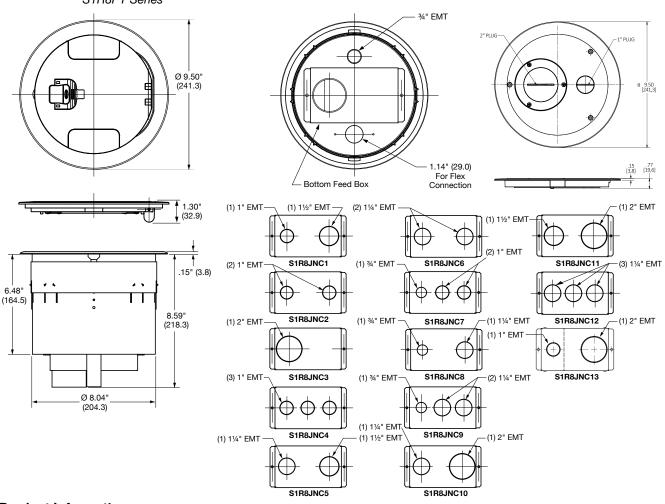
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.





Hubbell SystemOne Recessed 8 Inch Series

S1R8PT Series



Product Information

- · Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black powder coat.
- S1R8PSPZ sub-plate supplied with pre-wired dual 20A receptacle. Wired with three #12 AWG solid conductors.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

Application Data

- Mounted in 8 in. (203.2) cored concrete diameter through hole.
- Minimum floor thickness: 21/4 in. (57.2).
- UL Listed for fire resistance in 1 2 hour rated D900 series floors.
- · Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

	-			
	S1R8PT Series		S1R8PT FF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	Perimeter Chambers (each)	Center Chamber	1 in. Power	2 in. Low Voltage

UL Characteristics

Listing	UL File Number	ULC File Number	
Outlet Box	E31999	CEYYC	
Fire Resistance	R8429	R8429	

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings.

When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

Dimensions in Inches (mm)

Copper Cross Sectional

Conductors

Area for Solid or Stranded

.00032 sq. in. (.206mm2)

.00040 sq. in. (.258mm²)

.00050 sq. in. (.322mm2)

.00323 sq. in. (2.083mm2)

.00512 sq. in. (3.303mm²)

.00815 sq. in. (5.258mm²)

.01296 sq. in. (8.361mm²)

Wire

Size

(AWG)

#24

#23

#22

#14

#12

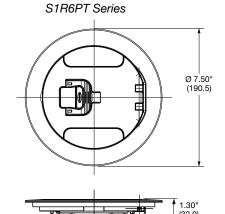
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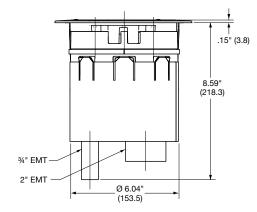
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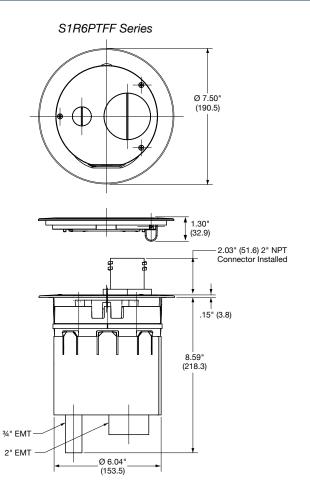




Hubbell SystemOne Recessed 6 Inch Series







Product Information

- · Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black powder coat.
- S1R6SPZ sub-plate supplied with pre-wired dual 20A receptacle. Wired with three #12 AWG solid conductors.
- S1R6SPH sub-plate supplied with pre-wired quad 20A receptacle. Wired with six #12 AWG solid conductors.
 Receptacle can be wired as dual circuit and isolated ground.
- S1R6FFCVR series furnished with one (1) % in. and one (1) 2 in. screw-in flexible metal conduit connectors.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the
 center of the cover. Rated for static loads only.

Application Data

- Mounted in 6 in. (152.4) cored concrete diameter through hole.
- Minimum floor thickness: 21/4 in. (57.2).
- UL Listed for fire resistance in 1 − 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

Size (AWG)	Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm ²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm ²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm ²)
#10	.00815 sq. in. (5.258mm ²)
# 8	.01296 sq. in. (8.361mm ²)

Copper Cross Sectional

Wire

UL Listed Wiring Capacity

	S1R6PT Series		S1R6PTFF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	34 in. Power EMT .0307 sq. in.	2 in. Low Voltage EMT .0348 sg. in.	¾ in. Power EMT .0815 sq. in.	2 in. Low Voltage EMT .0962 sg. in.

UI Characteristics

-			
Listing	UL File Number	ULC File Number	
Outlet Box	E31999	CEYYC	
Fire Resistance	R8429	R8429	

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings.

When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

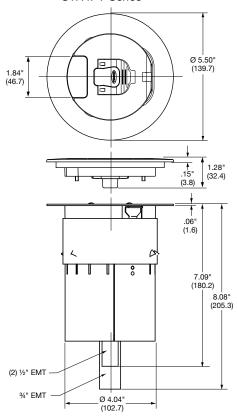


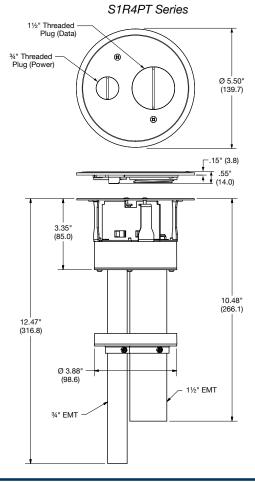




Hubbell SystemOne Recessed 4 Inch Series

S1R4PT Series





Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum, black or gray powder coat.
- S1R4SPQUAD sub-plate supplied with pre-wired quad 20A receptacle. Wired with six #12 AWG solid conductors.
 Receptacle can be wired as dual circuit and isolated ground.
- · Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 21/4 in. (57.2).
- S1R4PT Series UL Listed for fire resistance in 1-2 hour rated D900 series floors.
- S1R4PTFF & S1R4PTAV Series UL Listed for fire resistance in 1-4 hour rated D900 series floors.
- · Approved for use in the City of Chicago without junction box.
- Not intended to be used in high traffic installations and not intended to support furniture.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors		
#24	.00032 sq. in. (.206mm²)		
#23	.00040 sq. in. (.258mm²)		
#22	.00050 sq. in. (.322mm²)		
#14	.00323 sq. in. (2.083mm²)		
#12	.00512 sq. in. (3.303mm²)		
#10	.00815 sq. in. (5.258mm²)		
# 8	.01296 sq. in. (8.361mm ²)		

UL Listed Wiring Capacity

S1R4PT Series			S1R4PTFF & S1R4PTAV Series	
Fire Resistance Rating	2-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section	34 in. Power EMT .0408 sq. in.	½ in. Low Voltage EMT .008 sq. in.	¾ in. Power EMT .072 sq. in.	1½ in. Low Voltage EMT .100 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

S1R4PT Series use in 1, 1½ or 2 hour rated unprotected reinforced floors or 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). Also as applies to S1R4PTF & S1R4PTAV Series except for 1-4 hours. UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings.

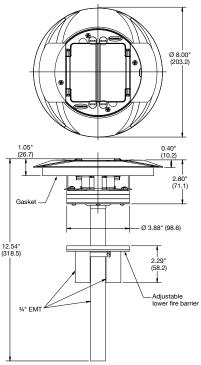
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

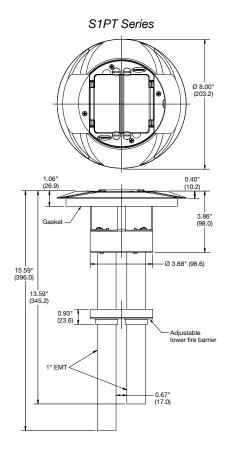




Hubbell SystemOne Flush 4 Inch Series







Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1SP4X4 sub-plate supplied with pre-wired, molded, four position 20A, 125V, black receptacle, NEMA 5-20R.
- S1SP4X4 wired with six thermally protected #14 AWG THHN stranded copper conductors, receptacle can be wired as dual-circuit and isolated ground.
- S1SP4X4 accepts four (4) Hubbell HXJ6, HXJ5E, HXJU; category 6A, 6, 5e, and USOC, and flush series jacks.
- S1SP sub-plate accepts two (2) 15A or 20A Style Line® decorator receptacles, Style Line® data frames, and/or one (1) GFCI or surge receptacle.

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 4 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors	
#24	.00032 sq. in. (.206mm²)	
#23	.00040 sq. in. (.258mm²)	
#22	.00050 sq. in. (.322mm²)	
#14	.00323 sq. in. (2.083mm²)	
#12	.00512 sq. in. (3.303mm ²)	
#10	.00815 sq. in. (5.258mm ²)	
# 8	.01296 sq. in. (8.361mm²)	

UL Listed Wiring Capacity

	S1PT4X4 Series	S1PT Series
Fire Resistance Rating	4-Hrs. (D900)	4-Hrs. (D900)
Max. Copper Cross Section % in. Power EMT		1 in. Power EMT
	.0307 sq. in.	.0307 sq. in.
	3/4 in. Low Voltage EMT	1 in. Low Voltage EMT
	.016 sq. in.	.024 sq. in.

UL Characteristics

<u> </u>			
Listing	UL File Number	ULC File Number	
Outlet Box	E31999	CEYYC	
Fire Resistance	R8429	R8429	

For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 1½, 2, or 3 hour rated floors employing steel form units and concrete topping (D900 Series designs), or concrete floors with suspended ceilings.

Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings. When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

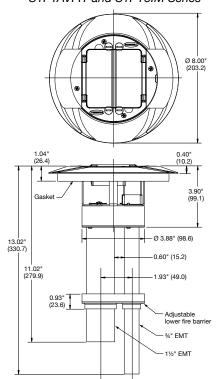




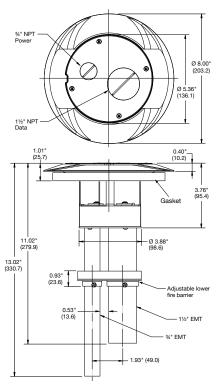


Hubbell SystemOne Flush 4 Inch Series

S1PTAVFIT and S1PT3IM Series



S1PTFF Series



Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- · Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1PTFF series aluminum conduit insert cover with one (1) ¾ in. and one (1) 1½ in. die-cast threaded plugs.
- S1PTFF series furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.
- S1PT3IM series sub-plate supplied with pre-wired single 20A 125V black receptacle, NEMA 5-20R.
- S1PT3IM wired with three #12 AWG THHN stranded copper conductors.
- S1PT3IM sub-plate also accepts three unit recessed Hubbell iSTATION; 15-Pin VGA, RCA, S-Video, 3.5 mm stereo and XLR microphone jacks.
- · Meets UL 514A scrubwater exclusion requirements.

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 21/4 in. (57.2).
- UL Listed for fire resistance in 1 4 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors		
#24	.00032 sq. in. (.206mm²)		
#23	.00040 sq. in. (.258mm²)		
#22	.00050 sq. in. (.322mm²)		
#14	.00323 sq. in. (2.083mm²)		
#12	.00512 sq. in. (3.303mm²)		
#10	.00815 sq. in. (5.258mm²)		
# 8	.01296 sq. in. (8.361mm ²)		

UL Listed Wiring Capacity

	S1PTAVFIT and S1PT3IM Series	S1PTFF Series	
Fire Resistance Rating	4-Hrs. (D900)	4-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT	¾ in. Power EMT	1½ in. Low Voltage EMT
	.0307 sq. in.	.072 sq. in.	.100 sq. in.
	1½ in. Low Voltage EMT		
	.048 sg. in.		

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

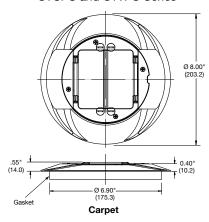
For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 1½, 2, or 3 hour rated floors employing steel form units and concrete topping (D900 Series designs), or concrete floors with suspended ceilings.

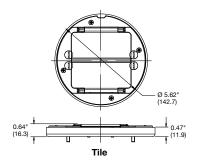
Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings. When connecting0 conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.



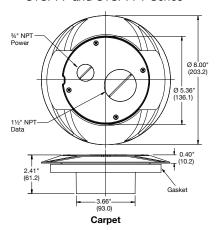
Hubbell SystemOne Flush 4 Inch Series

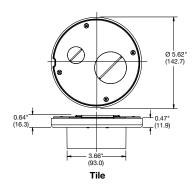
S1CFC and S1TFC Series





S1SPFF and S1SPFFT Series





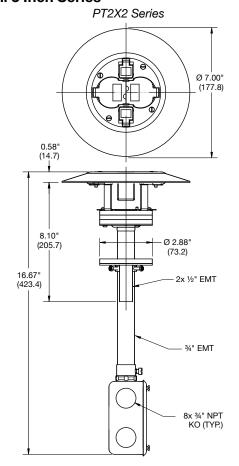
Product Information

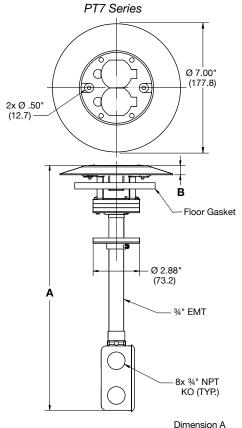
- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1SPFF and S1SPFFT series aluminum conduit insert cover with one (1) ¾ in. and one (1) ½ in. die-cast threaded plugs.
- S1SPFF and S1SPFFT series furnished with one (1) 1/2 in. screw-in flexible metal conduit connectors.
- Meets UL 514A scrubwater exclusion requirements.





Hubbell 3 Inch Series





Series	Dimension A	Dimension B
Thermoplastic cover with aluminum flange.	13.24 in. (336.2)	.51 in. (13.0)
Brass cover and flange.	13.20 in. (335.2)	.49 in. (12.4)

Product Information

- PT7 series supplied with flush thermoplastic cover with matching painted aluminum flange (black, brown, gray, ivory) or solid brass cover and flange.
- PT2X2 series supplied with Hubbell pre-wired HBL2162BK; black Stye Line® or IG2162 (isolated ground) receptacle, NEMA 5-20R, 20A, 125V.
- PT2X2 series supplied with two (2) Hubbell HXJ6BK black jacks; category 6, UL Listed, 110 type contacts.
- PT7 series supplied with Hubbell pre-wired HBL5352 or IG5362 (isolated ground) series receptacle, NEMA 5-20R, 20A, 125V.
- PT7 series supplied with two (2) ½ in. low voltage feed through holes. Two (2) feed through bushings supplied (cover will not accept data jacks).
- Wired with three (3) #12 AWG THHN stranded copper conductors.
- Supplied with 13.0 cu. in. junction box having eight (8) ¾ in. knockouts.

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 21/4 to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 4 hour rated floors.
- Approved for use in the City of Chicago (PT2X2 series).
- Not intended to be used in high traffic installations and not intended to support furniture.

Size	Area for Solid or Stranded		
(AWG)	Conductors		
#24	.00032 sq. in. (.206mm²)		
#23	.00040 sq. in. (.258mm²)		
#22	.00050 sq. in. (.322mm²)		
#14	.00323 sq. in. (2.083mm²)		
#12	.00512 sq. in. (3.303mm²)		
#10	.00815 sq. in. (5.258mm²)		
# 8	.01296 sq. in. (8.361mm²)		

UL Listed Wiring Capacity

	PT2X2 Series		PT7 Series	
Fire Resistance Rating	4-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section	¾ in. Power EMT .0155 sq. in.	½ in. Data EMT .0026 sq. in.	¾ in. Power EMT .0155 sq. in.	Low Voltage EMT .0250 sq. in.

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

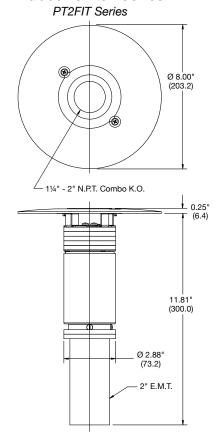
Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

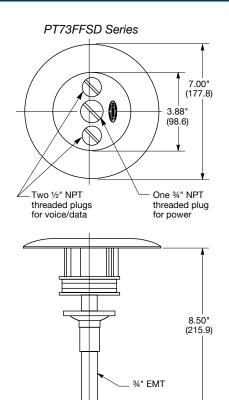
The above product data pertains to both one-piece units and through-floor fittings.

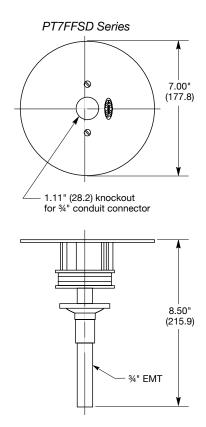




Hubbell 3 Inch Series







Product Information

PT2FIT series

- Flush aluminum service fitting with epoxy paint finish (gray, black and brass finish).
- Aluminum conduit cover with 2.47 in. (62.7) and 1.74 in. (44.2) combination knockouts to accept a 2 in. or 11/4 in. NPT flexible metal conduit connector.

PT73FFSD series

- Flush painted aluminum service fitting and carpet flange (color finish options: black, gray and ivory).
- Aluminum conduit insert cover with one (1) ¾ in. and two (2) ½ in. die-cast threaded plugs.
- Supplied with one (1) ¾ in. and two (2) ½ in. screw-in flexible metal conduit connectors.

PT73FFSD series

- Flush aluminum service fitting with epoxy paint finish (color finish options: gray, ivory and brass finish).
- Aluminum conduit cover with 1.11 in. (28.2) knockout to accept a ¾ in. NPT flexible metal conduit connector.

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 21/4 in. to 7 in. (57.2 to 177.8).
- PT2FIT series has single-service, power or data.
- UL Listed for fire resistance in 1 2 hour (PT2FIT series) rated floors.
- UL Listed for fire resistance in 1 4 hour (PT73FFSD and PT7FFSD series) rated floors.
- Approved for use in the City of Chicago (PT2FIT series).
- Not intended to be used in high traffic installations and not intended to support furniture.

Area for Solid or Stranded Conductors		
Conductors		
.00032 sq. in. (.206mm²)		
.00040 sq. in. (.258mm²)		
.00050 sq. in. (.322mm²)		
.00323 sq. in. (2.083mm²)		
.00512 sq. in. (3.303mm ²)		
.00815 sq. in. (5.258mm ²)		
.01296 sq. in. (8.361mm ²)		

UL Listed Wiring Capacity

	PT2FIT Series	PT73FFSD Series	PT7FFSD Series	
Fire Resistance Rating	2-Hrs. (D900)	4-Hrs. (D900)	4-Hrs. (D900)	
Max. Copper Cross Section	2 in. EMT	¾ in. EMT ½ in. Feed Through	¾ in. EMT	
	.0922 sq. in.	.0470 sq. in. .0250 sq. in.	.0500 sq. in.	

UL Characteristics

Listing	UL File Number	ULC File Number
Outlet Box	E31999	CEYYC
Fire Resistance	R8429	R8429

For use in 1, 1½, or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

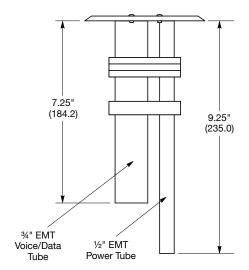
Note: The above product data pertains to both one-piece units and through-floor fittings.

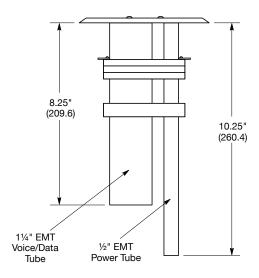
When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.



Pedestal FRPT Series

Pedestal Fitting Series





Applications	PT27A	PT7XC 3 in. (76.2) diameter hole. 2¼ in. to 7 in. (57.2 to 177.8) For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 series design).	
Mounting	2 in. (50.8) diameter hole.		
Floor Thickness Range	2¼ in. to 7 in. (57.2 to 177.8)		
Fire Rating	For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated employing steel floor units and concrete topping (D900 series design).		
Service Pedestal Options FR280, FR480, FR680 Series.		FR480 and FR680 Series.	

Note: Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

Power Wiring Capacity	½ in. EMT power tube		½ in. EMT power tube	
	Handles:		Handles: Up to ten #12 AWG type THHN wires, or	
	Up to ten #12 AWG	type THHN wires, or		
	Up to six #12 AWG and two #10 AWG type THHN wires.		Up to six #12 AWG and two #10 AWG type THHN wires.	
Voice/Data Wiring Capacity	3/4 in. EMT low-voltage tube		1¼ in. EMT low-voltage tube	
. , ,	Handles:	-	Handles:	
	Up to two 25 pair tel./data cables		Up to four 25 pair tel./data cables	
	(100 #22 AWG tel./data conductors), or		(200 #22 AWG tel./d	lata conductors), or
	Up to two IBM Type 2 data cables.		Up to five IBM Type 2 data cables and	
			four 8-conductor tel.	/data cables.
Total Allowable	½ in. Power EMT	3/4 in. Low Voltage EMT	½ in. Power EMT	1½ in. Low Voltage EMT
Copper Cross-Sectional Area	.0461 sq. in.	.0500 sq. in.	.0461 sq. in.	.1000 sq. in.

When conductors larger than #22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the #22 AWG conductors permitted in the low voltage compartment.

Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.

UL Characteristics

Listing	UL File Number	UL File Number
Outlet Box	E31999	E31999
Fire Resistance	R8429	R8429

For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).

UL Spacing Restrictions - Minimum of 2 ft. O.C. and not more than one unit per each 65 sq. ft. of floor area in each span.

Chicago Approved

Catalog Number	City of Chicago File Number
PT27A, PT7XC	5587E

These through-floor fittings are approved for the City of Chicago. Installation requires a plenum-rated 1900 series box or a handy box with gasketed cover. These boxes are to be affixed with compression gland-type connectors.

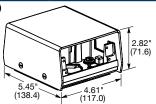


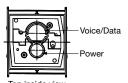
Pedestal FRPT Series

Painted and Brushed Aluminum Series

Dimensions

2-Gang - FR280 Series (Use with PT27A Only)

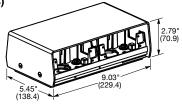


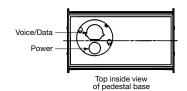


Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)	39.00 in. (638.8cm³)		
Cubic Inch Capacity	Power	19.5 in. (319.4cm³)	
(when divided for multi-service)	Voice/Data	19.5 in. (319.4cm³)	
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates.		
Pedestal Finish	Textured black or gray epoxy paint.		

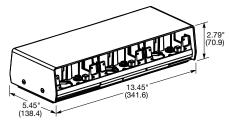
4-Gang – FR480 (Use with PT27A or PT7XC)

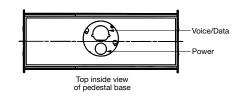




Total Cubic Inch Capacity (Single-Service)	78.00 in. (1277.6cm³)	
Cubic Inch Capacity	Power	39.00 in. (638.8cm³)
(when divided for multi-service)	Voice/Data	39.00 in. (638.8cm³)
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates.	
Pedestal Finish	Textured black or gray epoxy paint.	

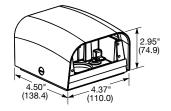
6-Gang - FR680 (Use with PT27A or PT7XC)

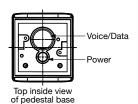




Total Cubic Inch Capacity (Single-Service)	117.00 in. (1916.4cm³)	
Cubic Inch Capacity	Power	58.5 in. (958.2cm³)
(when divided for multi-service)	Voice/Data	58.5 in. (958.2cm³)
Service Pedestal Construction	Heavy gauge	galvanized steel frame with aluminum housing and face plates.
Pedestal Finish	Textured black or gray epoxy paint.	

2-Gang – FR80AL (Use with PT7XC Only)





Total Cubic Inch Capacity (single service)	33.00 in. (540.9 cu cm³)		
Cubic Inch Capacity	Power	8.80 in. (144.2cm³)	
(when divided for multi-service)	Voice/Data	26.70 in. (437.6cm³)	
Service Pedestal Construction	Heavy gauge	aluminum frame with satin anodized aluminum housing with 302/304 stainless steel face plates.	
Pedestal Finish	Brushed.		

SECTION Q

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Features and Benefits

Powered Seating Boxes

Hubbell's On-the-Go Powered Seating Boxes fulfill customers' need for power accessibility. As the use of electronic devices has increased, the demand for charging has followed. Powered Seating Boxes provide an easy means of charging user's devices while meeting custom space requirements. Seating boxes can easily be attached to waiting area seating arrangements, conference tables, lecture halls, anywhere convenient power is needed.

HUBBELL ON-the-GO CHARGING

Convenient Charging Stations





Housing Design

- Rugged design features satin aluminum construction body with impact-resistant polycarbonate end caps
- Make any furniture or seating area into a convenient charging station
- Available with up to 4 boxes per unit



Powered Seating Boxes

- Parallel module wiring keeping individual seating boxes from losing power up and downstream
- Push to reset circuit breaker—trip electronically and reset manually



Charging Power

- Fast charging speeds delivering up to 5 amps of charging power
- Green power LED provides visual indication of power to the devices



Installation

- Security Torx-screw minimizes the potential for customers to open or tamper with units
- Hardwired permanently connected power and interconnecting cords
- Available with heavy-gauge durable powder coated steel mounting bracket



USB ports

- Smooth insertion tamper-resistant devices provide an extra level of safety to your customers
- Overcurrent protection—12 amp string and 5 amp individual module protection



Configurations

- Powered seating boxes are available in convenient bracketed configurations that easily attach to any flat surface
- Unbracketed configurations are also available







SP15USB1

Powered Seating Boxes

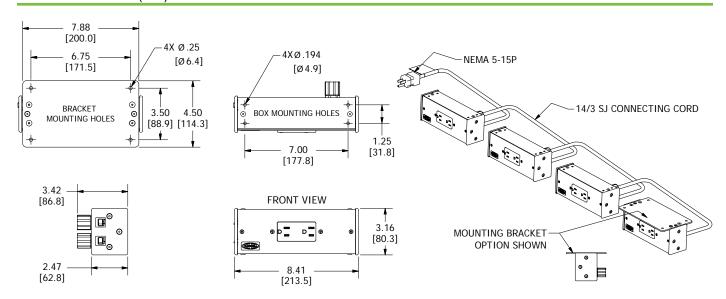
Description	Cord Length*	Boxes per Unit*	Without Mounting Bracket	With Mounting Bracket
Powered Seating Box with dual USB ports. (1) USB Type-A port: 5A,5V, and (1) Power Delivery USB Type-C port: 55W	10 ft power and 5 ft	1	SP15USB1	SP15USB1B
	connecting cords	2	SP15USB2	SP15USB2B
		3	SP15USB3	SP15USB3B
		4	SP15USB4	SP15USB4B

Note: *Special constructions are available with up to 7 boxes and up to 25 ft. of power cord. Contact you local Hubbell representative for more information. Options for USB Type-C and hospital grade receptacles are also available

Specifications

- UL, cULus
- Meets construction and safety testing standards for UL962A Furniture Power Distribution Units

Dimensions Inches (mm)



Charging Solutions





USB Charging Receptacles Type-C • Type A&C • Type A

Hubbell USB Chargers are available in the new Type-C port, a combination unit with Type A&C, and the legacy Type A. All with the increase in power to a 5 Amp 5 Volt USB port adds capacity so that there is always ample current to support multiple device charging. Portable mobile manufacturers are using the faster Type-C ports. More phones, tablets and other electronic devices are expected to use this new standard.

- Compliant with USB BC1.2 battery charging and 3.0 power delivery
- Compatible with USB 2.0, 3.0 and 3.1 devices
- USB Type-C port is legacy USB Type A compatible (adapter cord not included)
- Heavy duty stainless steel USB ports; rated for 10,000 cord insertions and removals
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- Designed for commercial, industrial and home use
- Weather resistant receptacles meets Section 406.9 of NEC®
- Weather resistant receptacles available in Type A&C USB ports only





Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant Commercial Grade USB ports rated 10,000 cycles.	Black Brown Gray Ivory Light Almond	USB15AC5BKWR USB15AC5WR USB15AC5GYWR USB15AC5IWR USB15AC5LAWR	USB20AC5BKWR USB20AC5WR USB20AC5GYWR USB20AC5IWR USB20AC5LAWR
cob porte rated re,000 cyclos.	White	USB15AC5WWR	USB20AC5WWR

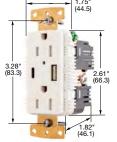
Note: Outdoor circuits should be GFCI protected per national and local electric codes.

USB Charger Duplex Receptacles Type-C and Type A-C

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Description	Color	15A 125V	20A 125V
Hospital Grade USB Charger Receptacle, two Type-C port configurations, (1) USB-C Power Delivery port with up to 55W output and (1) USB-C Convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles. Hospital Grade USB Charger Receptacle, (1) USB-C Power Delivery port with up to 55W of output and (1) USB-Type A convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black Brown Gray Ivory Light Almond Red White Black Brown Gray Ivory Light Almond Red	USB8200CPDBK USB8200CPD USB8200CPDI USB8200CPDI USB8200CPDLA USB8200CPDR USB8200CPDW USB8200ACPDBK USB8200ACPDGY USB8200ACPDI USB8200ACPDI USB8200ACPDI USB8200ACPDI USB8200ACPDLA USB8200ACPDR	USB8300CPDBK USB8300CPD USB8300CPDI USB8300CPDI USB8300CPDLA USB8300CPDW USB8300CPDW USB8300ACPDBK USB8300ACPDBK USB8300ACPD USB8300ACPDI USB8300ACPDI USB8300ACPDI USB8300ACPDLA USB8300ACPDR
Commercial Grade USB Charger Receptacle, two Type-C port configurations, (1) USB-C Power Delivery port with up to 55W output and (1) USB-C Convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	White Black Brown Gray Ivory Light Almond White	USB8200ACPDW USB15CPDBK USB15CPD USB15CPDGY USB15CPDI USB15CPDLA USB15CPDW	USB8300ACPDW USB20CPDBK USB20CPD USB20CPDGY USB20CPDI USB20CPDLA USB20CPDW
Commercial Grade USB Charger Receptacle, (1) USB-C Power Delivery port with up to 55W of output and (1) USB-Type A convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black Brown Gray Ivory Light Almond White	USB15ACPDBK USB15ACPD USB15ACPDGY USB15ACPDI USB15ACPDLA USB15ACPDW	USB20ACPDBK USB20ACPD USB20ACPDGY USB20ACPDI USB20ACPDLA USB20ACPDW

Note: See page Tech-10 for Tamper-Resistant description. See section N for wallplates. NEC® is a registered trademark of the National Fire Protection Association (NFPA).



USB15AC5WWR



USB8300CPDW



USB15ACPDGY

Charging Solutions



SNAPConnect® USB Charger Duplex Receptacles



Description	Color	15A 125V AC	20A 125V AC
Hospital Grade SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black	SNAP8200UACBK	SNAP8300UACBK
	Brown	SNAP8200UAC	SNAP8300UAC
	Gray	SNAP8200UACGY	SNAP8300UACGY
	Ivory	SNAP8200UACI	SNAP8300UACI
	Light Almond	SNAP8200UACLA	SNAP8300UACLA
	Red	SNAP8200UACR	SNAP8300UACR
	White	SNAP8200UACW	SNAP8300UACW
SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black	SNAP15UACBK	SNAP20UACBK
	Brown	SNAP15UAC	SNAP20UAC
	Gray	SNAP15UACGY	SNAP20UACGY
	Ivory	SNAP15UACI	SNAP20UACI
	Light Almond	SNAP15UACLA	SNAP20UACLA
	White	SNAP15UACW	SNAP20UACW
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material.	Solid Stranded	SNAP1RNA SNAP2RNA	SNAP1RNA SNAP2RNA



SNAP8300UACW





USB102W

4 Port USB Charger Outlets

Description	Color	Catalog Number
USB Charger Outlets, 4 USB ports, two Type A & two Type-C ports,	Black Brown	USB4ACBK USB4AC
5 Amp up to 9 Volt DC, Style Line® decorator.	Gray Ivory Light Almond White	USB4ACGY USB4ACI USB4ACLA USB4ACW

Switch Combo Outlets



Description	Color	Catalog Number
Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator.	Black Brown Gray Ivory Light Almond White	USB102BK USB102 USB102GY USB102I USB102LA USB102W

2X2 USB Work Surface Pop-Up Boxes, NEMA 5-15 Duplex Receptacle

Description	Finish	Catalog Number
15A 125V duplex receptacle with (2) USB charging ports, 5 foot long cord with NEMA 5-15 plug	Brushed Aluminum Black Powder Paint White Powder Paint	WSBUSB2X2AC5ALU WSBUSB2X2AC5BLK WSBUSB2X2AC5WHT

Note: UL File Number E327832



WSBUSB2X2AC5ALU

PlugTrak® Raceway with USB Charger Outlets

USB type 2.0	ports, 2	.4 Amp, 5 V	olt DC, 15 /	Amp, 125 Vo	olt AC receptad	cles.
Material	Length	Ends	# of USB Ports	# of Single Receptacles	Color	Catalog Number
Steel	3 ft.	6 in. leads	2	2	lvory	HBL20GB312UIV
Steel	6 ft.	6 in. leads	4	4	lvory	HBL20GB612UIV
Aluminium	3 ft.	6 in. leads	2	2	Aluminum	HBLALU20GB312U
Aluminium	6 ft.	6 in. leads	4	4	Aluminum	HBLALU20GB612U
Non-metallic	6 ft.	6 in. leads	4	8	Office White	PT156112U*
Portable - Plu	g in					
Steel	40 in.	6 ft. cord and plug	2	4	lvory	HBL20C215UIV
Non-metallic	36 in.	6 ft. cord	2	4	Office White	PT153112UP*

Note: *For additional colors add "BK" for Black or "W" for white.



Dimensions in Inches (mm)

Charging Solutions

Surface Mount Countertop Receptacles

Hubbell's Pop-Up Receptacles for countertops provide a power source ideal for residential and commercial locations. Hubbell is the first to market a countertop receptacle listed under UL498 Section 146 Spill Test. Silicon gaskets built into the receptacle creates a water-resistant seal up to a half gallon of liquid.

Because Spills Happen

- Spill water tested
- Self sealing silicon gaskets at the face
- · Watertight interior

Install With Ease

- Permanent installation ready for hardwire
- Accepts non-metallic sheathed cable and/or metal conduit
- Suitable for 20 Amp circuit, end of line
- Push-down to pop-up function is rated for a minimum of 10,000 cycles
- Tower design ensures secure fitment

User Friendly

- Type A and C USB ports
- LED Light indicates power to the ports

Certified

- UL Listed for countertop installation (UL 498 Section 146-151)
- Meets NEC 406.5 (E) for countertop surfaces. Plug-in products are non-compliant

Tops in Black, White, and Grey







COMPACT

Receptacles for

countertops

Small Profile & Pop-Up

COMPATIBILITY

Compatible with most phones

QI CERTIFIED

Has passed rigorous

independent lab tests



USB

PERFORMANCE

Able to charge devices fast and safe



SAFETY Waterproof

countertop rated

ACCESSIBILITY

Multiple ways to charge devices: A/C power, USB ports and Wireless

Surface Mount Countertop Receptacles

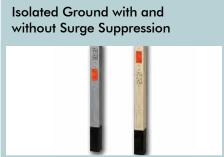
Flange Col	olor Top Color		15 AMP	20 AMP
	Nickel	Black, White, & Gray	RCT600NI	RCT620NI
	Aluminum	Black, White, & Gray	RCT600ALU	RCT620ALU
	Black	Black	RCT600BK	RCT620BK
	White	White	RCT600W	RCT620W
	Chrome	Black, White, Gray	RCT600CH	RCT620CH
	Bronze	Black, White, Gray	RCT600BZE	RCT620BZE
	Brass	Black, White, Gray	RCT600BR	RCT620BR

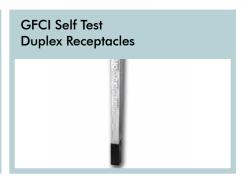
SECTION R

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Products at a Glance



Two Duplex Receptacles or Blank Pole

- (2) 20A 125V Style Line® duplex receptacles; one circuit
- Available in three standard lengths: 10' 2", 12' 2" and 15' 2" to accommodate a variety of applications
- Available in five attractive durable paint colors: gray, ivory, black, white and office white painted or clear anodized aluminum finish to suit every need



Isolated Ground with and without Surge Suppression

- (1) Orange isolated ground 20A 125V Style Line® duplex receptacle;
 (1) 20A 125V Style Line® duplex receptacle; two circuits
- (2) Orange isolated ground 20A 125V Style Line[®] duplex receptacles;
 (1) isolated ground surge suppression 20A 125V duplex receptacle; one circuit



GFCI Self Test and Duplex Receptacles

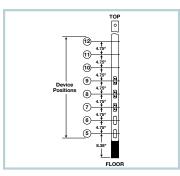
 (1) 20A 125V GFCI Self Test duplex receptacle with (2) ground fault protected 20A 125V Style Line® duplex receptacles; one circuit





Adjustable T-Bar and Trim Kit

- Adjustable T-bar for mounting poles in the center of the ceiling tiles
- All service poles include ceiling trim plates, replacements also available in office white



Custom Pole Configurations

- Create your own custom service poles using the chart on page R-5
- For configurations that require additional customization, please consult Hubbell Technical Services

Features and Benefits

Aluminum Series Offering

Hubbell offers a line of attractive and durable Aluminum Service Poles which distribute wiring from above the ceiling to workstations below.

They are offered in standard lengths of 10' 2", 12' 2" and 15' 2" with a variety of electrical wiring devices. Poles with three service capability have a divider to separate power and low voltage wiring.

Available in varying lengths and colors, custom options maximize space and allow workstations, retail checkout areas, collaboration areas, digital signage, vending machines, appliances and kiosks to be positioned away from the wall.

- Factory ordered custom pole lengths and configurations available for special applications
- UL listed





Colors Available

 Available in five attractive durable paint colors: gray, ivory, black, white and office white painted and clear anodized aluminum finishes to suit every need



Accessories

• Each pole include a ceiling trim mounting plate and bottom scuff boot



Black











Clear Anodized Aluminum



Aluminum Series Offering



HBLPP10AI





Three Service Aluminum Service Pole	•

Description	Color	10' 2" (3.10m)	12' 2" (3.71m)	15' 2" (4.62m)
(2) 20A 125V Style Line® duplex receptacles; one circuit	Black Gray Ivory Office White White Clear Anodized Aluminum	HBLPP10BK HBLPP10A HBLPP10AI HBLPP10OW HBLPP10W HBLPP10AAL	HBLPP12BK HBLPP12A HBLPP12AI HBLPP12OW HBLPP12W HBLPP12AAL	HBLPP15BK HBLPP15A HBLPP15AI HBLPP15OW HBLPP15W HBLPP15AL
(1) Orange isolated ground 20A 125V Style Line® duplex receptacle; (1) 20A 125V Style Line® duplex receptacle; two circuits	Black Gray Ivory Office White White Clear Anodized Aluminum	HBLPP10IGBK HBLPP10IGA HBLPP10IGAI HBLPP10IGOW HBLPP10IGW HBLPP10IGAL	_ _ _ _ _	= = = =
(2) Orange isolated ground 20A 125V Style Line® duplex receptacles; (1) isolated ground surge suppression 20A 125V duplex receptacle; one circuit	Black Gray Ivory Office White White Clear Anodized Aluminum	HBLPP10SBK HBLPP10SA HBLPP10SAI HBLPP10SOW HBLPP10SW HBLPP10SAL		= = = = = = = = = = = = = = = = = = = =
(1) 20A 125V GFCI Self Test duplex receptacle with (2) ground fault protected 20A 125V Style Line® duplex receptacles; one circuit	Black Gray Ivory Office White White Clear Anodized Aluminum	HBLPP10GFBK HBLPP10GF HBLPP10GFI HBLPP10GFOW HBLPP10GFW HBLPP10GFAL	HBLPP12GFBK HBLPP12GF HBLPP12GFI HBLPP12GFOW HBLPP12GFW HBLPP12GFAL	HBLPP15GFBK HBLPP15GF HBLPP15GFI HBLPP15GFOW HBLPP15GFW HBLPP15GFAL
Blank pole; divider; (4) Style Line [®] device knockouts	Black Gray Ivory Office White White Clear Anodized Aluminum	HBLPPOBK HBLPPOAI HBLPPOOW HBLPPOW HBLPPOAAL	HBLPPO12BK HBLPPO12A HBLPPO12AI HBLPPO12OW HBLPPO12W HBLPPO12AAL	HBLPPO15BK HBLPPO15A HBLPPO15AI HBLPPO15OW HBLPPO15W HBLPPO15AAL

Accessories

Description	Catalog Number
Adjustable T-bar assembly for mounting poles in the middle of ceiling tile.	ATB*
Replacement service pole trim kit (office white).	PPTRIM1*

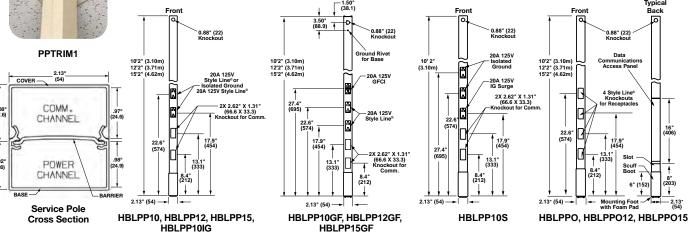
Note: * Not UL listed.



HBLPP10GFW



Dimensions



Dimensions in Inches (mm)

HBLPP10IG

Custom Pole Configurations

Using the chart below, you can create a custom service pole. For configurations that require additional customization, please consult Hubbell Technical Service at (475) 882-4800.

Position Selections

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
S	P	1	0	0	2	1	1	В	В	В	Х	Х	X	C	I

Example: SP100211BBBXXXCI

10 Feet 02 Inches, (2) Rectangular Style Line® Knockouts for Data, (3) HBL2162 Duplex Receptacles, (2) Circuits (First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2), Ivory.

Worksheet

Position Selections

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
S P														

Position 1 & 2: Height to the nearest foot.	08-22 Feet.	
Position 3 & 4: Height in inches up to 11".	00-11 Inches.	_
Position 5, 6, 7, 8, 9, 10, 11, 12: Starting at Position 5 Select Datacom Knockouts/Device Frames followed by Power Receptacle/Power Knockout options. If the service pole is power only, select receptacle options starting at Position 5. Empty Positions should be filled with an "X" to designate an empty field. Note: If power receptacles are chosen, then power knockouts may not be chosen in the same service pole.	Power Selections 6 - Rectangular Style Line® Knockout (for blank poles only). 7 - ½" NPT Knockout (0.875" diameter, for blank poles only). 8 - ¾" NPT Knockout (1.109" diameter, for blank poles only). A - 5362, 20A, 125V AC, Duplex. B - HBL2162, 20A, 125V AC, Style Line® Decorator Duplex. C - IG5362, 20A, 125V AC, I.G. Duplex. D - IG2162, 20A, 125V AC, I.G. Style Line® Decorator Duplex. G - HBL4700, 15A, 125V AC, Twist-Lock® Duplex. H - IG4700A, 15A, 125V AC, I.G. Twist-Lock® Duplex. I - IG2310, 20A, 125V AC, I.G. Twist-Lock® Single. J - IG5361, 20A, 125V AC, I.G. Single. K - HBL5361, 20A, 125V AC, Single. L - HBL2310, 20A, 125V AC, Twist-Lock® Single.	TOP 12
	O - HBL2620, 30A, 250V AC, Twist-Lock® Single.	4.75" 5 4.75" 8.38" FLOOP
Position 13: Power Circuits	 Z - No Circuits (Should only be selected when the service poles has ONLY Data and/or Power knockouts). A - All devices on a single circuit. B - 2 Circuits, First Receptacle on Circuit #1, Remaining Receptacles on Circuit #2. C - 2 Circuits, First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. D - 2 Circuits, First 3 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. E - 2 Circuits, First 4 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. F - 2 Circuits, First 5 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. G - 2 Circuits, First 6 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. H - 2 Circuits, First 7 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. 	_ 12301
Position 14: Color	I - Ivory. G - Gray. W -White. K - Black. A - Aluminum with clear anodized finish.	_

Division 16 Specifications

Part 2: Products

2.01 Manufacturer

A. The power poles specified herein for branch circuit wiring shall be Hubbell Service Poles as manufactured by Hubbell Inc., Wiring Device-Kellems[®] or approved equal. Other manufacturers may be considered equal if they meet the performance requirements of this specification and have received prior written approval.

2.02 Components/Accessories

A. The hardware for mounting Service Poles in the middle of a ceiling tile shall be Hubbell adjustable T-Bar type ATB with trim plate kit type PPTRIM1.

2.03 Materials

A. Standard and Custom Aluminum Service Poles

These Service Poles shall be extruded aluminum with a heavy gauge body (.050 ±.005 inches thick) to resist denting. These poles shall be two-channel to accommodate both power and low voltage services on the same side of the pole. Service poles shall be prewired with #12 AWG wire and equipped with specification grade Style Line® decorator receptacles (20A, 125V). These receptacles shall be Hubbell type HBL2162xx or an approved equal. The low voltage (back) channel of the service pole shall incorporate an access panel that provides a passageway to two Style Line® communication knockouts located on the front of the pole.

Finish

Service Poles will include a painted or clear anodized finish.

Custom poles are available in Black, Gray, Ivory, Office White, White, and Clear Anodized Aluminum.

Heights

Standard Service Poles shall be available in three sizes to accommodate various ceiling heights: 10 ft. 2 in. (3.10m), 12 ft. 2 in. (3.71m) and 15 ft. 2 in. (4.62m). Custom Poles shall be available in a range of sizes, a configurator pole is 8 through 22 ft. Other custom poles can be as short as 6 in. through 22 ft.

10 ft. 2 in. (3.10m): Hubbell type HBLPP10BK, HBLPP10A, HBLPP10AI, HBLPP10OW, HBLPP10W, and HBLPP10AAL. 12 ft. 2 in. (3.71m): Hubbell type HBLPP12BK, HBLPP12A, HBLPP12AI, HBLPP12OW, HBLPP12W, and HBLPP12AAL. 15 ft. 2 in. (4.62m): Hubbell type HBLPP15BK, HBLPP15A, HBLPP15AI, HBLPP15OW, HBLPP15W, and HBLPP15AAL. 8-22 feet: Hubbell Custom Poles.

2. Isolated Ground

The following Service Poles contain one Hubbell isolated ground receptacle Hubbell #IG2162 and one #HBL2162xx, both 20A, 125V Style Line® decorator receptacles (wired on separate circuits). Custom poles with a variety of receptacles may also include isolated ground type devices. 10 ft. 2 in. (3.10m): Isolated Ground; Hubbell Type HBLPP10IGBK, HBLPP10IGA, HBLPP10IGAL.

3. Surge Suppression/Isolated Ground

The following Service Poles contain one Hubbell #IG5362xxSA (20A, 125V Surge/IG Style Line® decorator duplex) and two #IG2162 (20A, 125V IG Style Line® decorator duplex) receptacles. All receptacles are wired on the same circuit, therefore providing surge protection at each outlet. Custom poles with a variety of receptacle options may also include surge suppression. 10 ft. 2 in. (3.10m): With Surge; Hubbell Type HBLPP10SBK, HBLPP10SAL, HBLPP10SAL, HBLPP10SOW, HBLPP10SW, and HBLPP10SAL.

4. GFCI

The following Service Poles contain one Hubbell #GFST20 (20A, 125V GFCI Self Test Style Line® decorator duplex) and two #HBL2162 (20A, 125V Style Line® decorator duplex) receptacles. All receptacles are wired on the same circuit, the two HBL2162 are GFCI protected by being wired to the load side of the GFST20.

10 ft. 2 in. (3.10m): Hubbell type HBLPP10GFBK, HBLPP10GF, HBLPP10GFI, HBLPP10GFOW, HBLPP10GFW, and HBLPP10GFAL. 12 ft. 2 in. (3.71m): Hubbell type HBLPP12GFBK, HBLPP12GF, HBLPP12GFI, HBLPP12GFOW, HBLPP12GFW, and HBLPP12GFAL. 15 ft. 2 in. (4.62m): Hubbell type HBLPP15GFBK, HBLPP15GF, HBLPP15GFI, HBLPP15GFOW, HBLPP15GFW, and HBLPP15GFAL.

5. Blank

The following Service Poles are two-channel and do not include receptacles or wiring. All poles include a barrier which starts between the second and third knockout positions from the bottom of the pole. Custom poles with or without a barrier are available as well. 10 ft. 2 in. (3.10m): Hubbell type HBLPPOBK, HBLPPOA, HBLPPOAI, HBLPPOOW, HBLPPOW, and HBLPPOAAL. 12 ft. 2 in. (3.71m): Hubbell type HBLPPO12BK, HBLPPO12A, HBLPPO12AI, HBLPPO12OW, HBLPPO12W, and HBLPPO15AAL. 15 ft. 2 in. (4.62m): Hubbell type HBLPPO15BK, HBLPPO15A, HBLPPO15AI, HBLPPO15OW, HBLPPO15W, and HBLPPO15AAL.

B. Voice/Data Interface

All Service Poles must allow for acceptance of Hubbell Style Line® communication outlets.

SECTION S







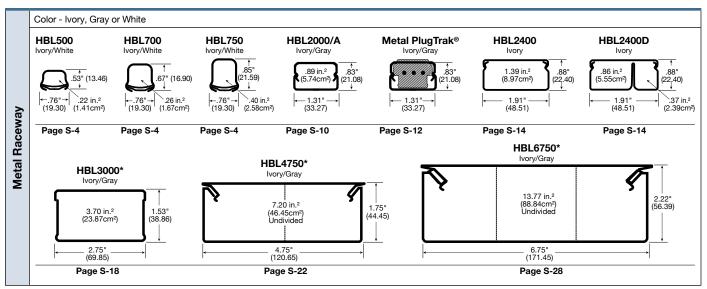


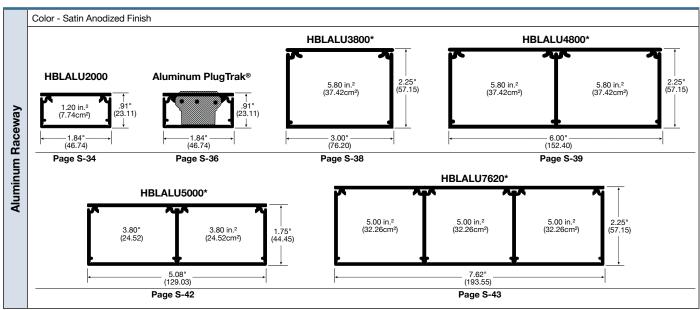
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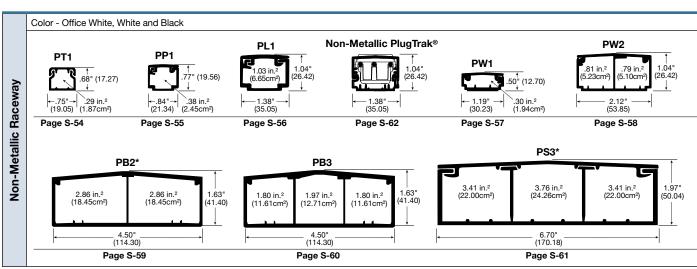
Non-Metallic Raceway	Page
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Raceway Profiles - Quick Reference Guide







Note: *Available in PRE-WIRED.

Channel Area in Square Inches (square centimeters).

Products at a Glance



HBL500, HBL700 and HBL750 Series

 Hubbell's exclusive HBL750 Series adds an additional profile for data and electrical applications



Innovative Box Design

- Hubbell Handi-Screw[®] eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a "clean" look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available See page S-45 for selection



Enhanced Datacom Capabilities

- Capacity for up to five Category 5e, three Category 6, or two Category 6A cables
- Available with 1½ in. (38.10) Category 6 and 6A bend radius fittings
- Largest single channel low profile raceway available in its class
- Ideal for datacom and oversized neutral applications



White Metal Raceway

- HBL750 Series available in white
- Full line of product
- Additional color options available for architects and interior designers



Retrofit Box for Fire Alarm Detectors

- Fits most manufacturers of audible alarm systems
- Compatible with HBL500, HBL700 and HBL750 Series Metal Raceway
- Available in white and ivory



	Description	Color	Length	HBL500 Series	HBL700 Series	HBL750 Series
HBL500, HBL700 and HBL750 Series	Base and Cover Available in 5 ft. (1.5m) lengths, packed 50 ft. (15m) per carton and 10 ft. (3m) lengths, packed 100 ft. (30m) per carton. HBL5701C coupling furnished with each length.	lvory lvory White	5 ft. 10 ft. 10 ft.	HBL50010IV HBL50010W A: .53" (13.46) B: .76" (19.30)	HBL700IV HBL700W A: .67" (16.90) B: .76" (19.30)	HBL7505IV HBL75010IV HBL75010W A: .85" (21.59) B: .76" (19.30)















	Color	1-Gang	2-Gang	3-Gang	4-Gang	5-Gang	6-Gang
Standard	Ivory White	HBL5748IVA HBL5748WA A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	HBL57482IVA HBL57482WA A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)	HBL57483IVA HBL57483WA A: 4.54" (115.32) B: 6.45" (163.88) C: 1.75" (44.45)	HBL57484IVA A: 4.54" (115.32) B: 8.26" (209.91) C: 1.75" (44.45)	HBL57485IVA A: 4.54" (115.32) B: 10.01" (255.93) C: 1.75" (44.45)	HBL57486IVA A: 4.54" (115.32) B: 11.89" (301.96) C: 1.75" (44.45)
Shallow	Ivory White	HBL5747IVA HBL5747WA A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	HBL57472IVA HBL57472WA A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	HBL57473IVA A: 4.54" (115.32) B: 6.45" (163.88) C: 1.38" (35.05)	-	-	-
Deep	Ivory White	HBL5744SIVA HBL5744SWA A: 4.54" (115.32) B: 2.82" (71.63) C: 2.25" (57.00)	HBL5744S2IVA HBL5744S2WA A: 4.54" (115.32) B: 4.64" (117.86) C: 2.25" (57.00)	HBL5744S3IVA A: 4.54" (115.32) B: 6.45" (163.88) C: 2.25" (57.00)	_	=	=
Extra Deep	Ivory White	HBL5744IVA HBL5744WA A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	HBL57442IVA HBL57442WA A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)	HBL57443IVA A: 4.54" (115.32) B: 6.45" (163.88) C: 2.75" (69.85)	Ξ	Ξ	Ξ
	e Trade KOs	2- ½"	1 - ½", ¾" Concentric 1 - Rectangular	3 - 1/2"	4 - ½"	5 - ½"	6 - ½"

Note: For datacom applications, box selection is dependent on depth of connectors (jacks). See pages S-45 and S-46 for datacom product selection, or visit our site at www.hubbell-wiring.com for our Full Line Catalog and additional information.













	Description	Color	1-Gang	1-Gang Deep	1-Gang Blank	2-Gang	3-Gang
ion	Extension Boxes	lvory	HBL5751IVA	HBL5751AIVA	HBL5760IVA	HBL57512IVA	HBL57513IVA
tens	Extension Boxes To extend exisiting flush switch and receptacle boxes. Blank is used where	White	HBL5751WA A: 4.54" (115.32)	HBL5751AWA A: 4.54" (115.32)	— A: 4.54" (115.32)	— A: 4.54" (115.32)	— A: 4.54" (115.32)
	it is desired to blank original outlet.		B: 2.82" (71.63)	B: 2.82" (71.63)	B: 2.82" (71.63)	B: 4.64" (117.86)	B: 6.45" (163.88)
			C: 1.38" (35.05)	C: 1.75" (44.45)	C: 1.13" (28.70)	C: 1.38" (35.05)	C: 1.38" (35.05)



	sesso, Tiberoo and Tiberoo	0 00110	-						
	Description	Color	1-Gang		Description	Color	2-Gang		
V.	Low Profile Switch/Receptacle Base has ½ in. trade size KOs.	Ivory White	HBL5748SIVA HBL5748SWA A: 4.54" (115.32) B: 2.82" (71.63) C: 1.13" (28.70)	es	Alarm Device Box Surface mounting of alarm devices and safety signals.	lvory White Red	HBL5752IVA ————————————————————————————————————		
and Specialty Boxes	Connects surface runs of ½ in. trade size conduit, one raceway twistout each side and three raceway twistouts top and bottom.	Ivory White	HBL5745IVA HBL5745WA A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	ang Specialty Boxes	Extra Deep Alarm Device Box For surface mounting of alarm devices and safety signals. Cover is 2.75 in. (69.85) deep.	Ivory White Red	HBL5753IVA — HBL5753RA A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)		
1-Gang Speci	Utility Box* For use as a tee, cross, pull box, junction box or blank box. Base has ½ in. trade size KOs.	lvory White	HBL57242IVA HBL57242WA A: 4.12" (104.78) B: 2.00" (50.80) C: 1.39" (35.31)	2-Gang	Distribution Box Twistouts permit three parallel raceway runs on each side. Cover takes devices with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00), 4.06 in. (103.00) and canopy fixture not larger than 4.63 in. (117.00). Can be used with HBL5736IV (blank cover) to create junction box.	lvory White	HBL5735IVA A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)		
Note	ote: *Use catalog number HBL5791 for connecting ½ in. EMT to HBL5745 and HBL57242 boxes.								









	Description	Color	4.75 inches O.D.	5.50 inches O.D.	6.38 inches O.D
d Boxes	Extension Box (Open Base) For mounting on 3.25 in. (83.00) or 4 in. (102.00) round or square conduit boxes or other recessed outlets. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00).	lvory White	HBL5737IVA HBL5737WA A: 1.02" (26.00) B: 4.75" (120.65)	HBL5737AIVA HBL5737AWA A: 1.02" (26.00) B: 5.50" (140.00)	HBL5739AIVA A: 1.02" (26.00) B: 6.38" (162.01)
Roun	Fixture Box (Solid Base) To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00). Both boxes can be used as a pull or junction box when used with HBL5736IV/W (blank cover).	lvory White	HBL5738IVA HBL5738WA A: 1.02" (26.00) B: 4.75" (120.65)	HBL5738AIVA HBL5738AWA A: 1.02" (26.00) B: 5.50" (140.00)	HBL5739IVA HBL5739WA A: 1.02" (26.00) B: 6.38" (162.01)

	Description	Color	Catalog Number		Description	Color	Catalog Number
Boxes	Outlet Box For devices with mounting screw centers of 1.47 in. (37.00), 1.63 in. (41.00), 1.69 in. (44.00) or 1.84 in. (46.00).	Ivory White	HBL5733IVA ————————————————————————————————————		Blank Cover For use with HBL5733IVA. Has ½ in. trade size KO in center.	Ivory White	HBL5731IV — A: .24" (6.10) B: 2.40" (60.96)
Specialty Round B	Fanbox with Solid Base Cover accepts fan bracket with mounting centers of 3.2 in. (81.00 Rated for fans and fixtures up to 50 lbs.	lvory White	HBL5738AFIVA HBL5738AFWA A: .38" (9.75) B: 4.19" (106.30)	Round Covers	Blank Cover For use with HBL5735IVA, HBL5737IVA/ WA, HBL5737AIVA/WA, HBL5739AIVA, HBL5738IVA/WA, HBL5738AIVA/WA and HBL5739IVA/WA. Has ½ in. trade size KO in center.	Ivory White	HBL5736IV HBL5736W A: .38" (9.75) B: 4.19" (106.30)
Ū	Retrofit Box for Fire Alarm Detectors For installing round alarm sensors.	Ivory White	HBL5739AABIVA HBL5739AABWA A: 1.62" (41.15) B: 6.50" (165.10)			<u>O)</u>	



	Description	Color	HBL500 Series	HBL700 and HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
	Internal Elbow For inside surfaces at right angles.	Ivory White	HBL517IV HBL517W A: 3.33" (84.51) B: .58" (14.73) C: 3.33" (84.51)	HBL717IVA HBL717WA A: 3.33" (84.51) B: .90" (22.86) C: 3.33" (84.51)	Internal Elbow Bend Radius For inside surface at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory White	HBL5717BRIVA A: 3.33" (84.51) B: .91" (23.11) C: 3.33" (84.51)
	External Elbow For outside surfaces at right angles.	lvory White	HBL518IV HBL518W A: 2.59" (65.71) B:58" (14.73) C: 2.59" (65.71)	HBL718IVA HBL718WA A: 2.59" (65.71) B: .90" (22.86) C: 2.59" (65.71)	External Elbow Bend Radius For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	lvory White	HBL5718BRIVA A: 4.86" (123.43) B: .78" (19.80) C: 1.35" (34.28)
Elbows	90° Flat Elbow For right angle turns on same surface.	Ivory White	HBL511IV HBL511W A: 2.68" (68.13) B: .61" (15.50)	HBL711IVA HBL711WA A: 2.68" (68.13) B: .90" (22.86)	Flat Elbow Bend Radius For right angle turns requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e,	lvory White	HBL5711BRIVA A: 3.16" (80.34) B: .91" (23.11)
	AES Flot Elbaur	A CO	C: 2.68" (68.13)	C: 2.68" (68.13)	6 and 6A applications.	KI IB	C: 3.16" (80.34)
	45° Flat Elbow For diagonal 45° turns on same surface.	Ivory White	A: 2.46" (62.61) B: .58" (14.73) C: 2.46" (62.61)	A: 2.70" (68.49) B: .91" (23.06) C: 2.70" (68.49)	Internal Twisted Elbows For 90° twist with 90° turn. For double turn at right angles from one to another From a flat run on a side wall to a flat run on a ceiling, edge of door or window trim.	lvory White lvory White	Right Elbow HBL5711RHIVA HBL5711RHWA Left Elbow HBL5711LHIVA HBL5711LHWA A: 2.98" (75.72)
		B				S B	B: .94" (23.75) C: 3.00" (76.20)

	Description	Color	HBL500, HBL700 & HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
	Tee Fitting	Ivory	HBL5715IVA	Tee Fitting Bend Radius	Ivory	HBL5715BRIVA
Tees	For branches at right angles.	White	HBL5715WA A: 3.06" (77.67) B: 1.14" (28.86) C: 3.03" (76.96)	For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	White	A: 5.55" (140.88) B: .90" (22.86) C: 3.16" (80.34)
	BI			B	c	

		Description	Color	HBL500, HBL700 & HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Fittings	<u> </u>	Support Clip For supporting lengths of HBL500, HBL700 or HBL750 Raceway.	Ivory White	HBL5703IV HBL5703W A: 2.51" (63.75)	Flexible Section For getting around offsets, side bends, twisted turns or curved surfaces.	Ivory White	HBL5700FIVA HBL5700FWA A: 18.00" (457.20)



Description	Color	HBL500, HBL700 & HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Entrance Connector One % in. KO for panel or conduit connection. One % in. chase nipple and locknut furnished.		HBL5786AIVA HBL5786AWA A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)	Adjustable Offset Connector Two ½ in. KOs for panel or conduit connection. Eliminates offsetting raceway when connecting to surface type panel boxes. One ½ in. chase nipple and locknut furnished.	lvory White	HBL5786IVA HBL5786WA A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)
Elbow Box Connector For connecting raceway at right angles to conduit boxes, panel boxes, etc. having ½ in. nipple for trade size conduit.	lvory White	HBL5783IVA — A: 2.13" (54.05) B: 1.24" (31.50)	Elbow Conduit Connector For connecting raceway at right angles to ½ in. trade size conduit or armored cable connectors.	lvory White	HBL5784IVA A: 2.13" (54.05) B: 1.24" (31.50)
Combination Connector For connecting raceway without offsetting to any 3.25 in. (83.00) or 4 in. (102.00) outlet box mounted on the surface with a KO for ½ in. trade size conduit. Spring steel bushing eliminates need for conduit nipple and locknut.	lvory White	HBL5785AIVA HBL5785AWA A: 1.50" (38.10) B: 1.84" (46.74) C: 3.89" (98.87)	Corner Box For connecting HBL500, HBL700 or HBL750 Raceway from ceiling or corner. Each leg of base has ½ in. trade size KO.	lvory White	HBL5719IVA HBL5719WA A: 2.50" (63.50) B: 2.50" (63.50) C: 2.40" (60.96)

Description	Color	HBL500 Series	HBL700 Series	HBL750 Series	
Transition Fitting For transitioning from either Wiremold® V500	lvory White	HBL500TFIV	HBL700TFIV	HBL750TFIV	
to Hubbell HBL500 Raceway or Wiremold® V700 to Hubbell HBL700 Raceway or		A: .65" (16.51) B: .89" (22.61)	A: .78" (19.80) B: .89" (22.61)	A: .98" (24.89) B: .89" (22.61)	
Hubbell HBL750 Raceway.	1	C: 2.15" (54.61)	C: 2.15" (54.61)	C: 2.15" (54.61)	
	C A				
Mounting Strap (one- or two-hole) For mounting HBL500, HBL700 or	Ivory White	HBL504IV HBL504W	HBL7004IV HBL7004W	HBL7504IV HBL7504W	
HBL750 Raceway to surface. Convert	vvriite	A: .58" (14.73)	A: .70" (17.68)	A: .90" (22.86)	
to one-hole by breaking off at score.		B: .50" (12.70)	B: .50" (12.70)	B: .50" (12.70)	
Connection Cover To cover potential openings where	Ivory White	HBL506IV HBL506W	HBL7006IV HBL7006W	HBL7506IV HBL7506W	
two lengths of like raceways	vvriite	A: .60" (15.24)	A: .69" (17.40)	A: .91" (23.10)	
come together.		B: .80" (20.31)	B: .80" (20.31)	B: .80" (20.31)	
all all	B				
Bushing	Steel*	HBL502B	HBL7002B	HBL7502B	
Protect wires from potential abrasion. Fits into end of HBL500, HBL700 or HBL750 Raceway.		A: .35" (8.83) B: .70" (17.68)	A: .49" (12.50) B: .78" (19.80)	A: .60" (15.24) B: .70" (17.68)	

Wiremold® is a registered trademark of the Wiremold Company.



	Description	Material	HBL500, HBL700 & HBL750 Series		Description	Material	HBL500, HBL700 & HBL750 Series
	Box Connector For connecting raceway to conduit boxes or panel boxes having KO for conduit. May also be used for conduit type fittings.	Steel*	HBL5781 ½" NPT (13) Male A: .75" (19.1) B: 1.24" (31.62)	HBL5781A 3/4" NPT (19) Male A: .75" (19.1) B: 1.24" (31.62)	1/2 in. EMT Connector For connecting raceway to conduit boxes or panel boxes having KO for conduit.	Steel*	HBL5791 A: 1.20" (30.48) B: 1.09" (27.70)
	type littings.	A B					
	Conduit Connector For connecting raceway to conduit.	Steel*	HBL5782C ½" NPT (13) Female A: .75" (19.1) B: 1.75" (44)	HBL5782A 3/4" (19.1) Female A: .75" (19.1) B: 1.75" (44)	Coupling For joining and supporting lengths of HBL500, HBL700 or HBL750 Raceway.	Steel**	HBL5701C A: 2.00" (50.80)
		B				A	
Fittings	Grounding Clamp Provides grounding means for ½ in. trade size conduit using locknut.	Steel**	HBL5709GC A: 1.04" (26.03) B: 1.18" (29.84)		Ground Clamp Used to provide additional grounding of raceway or to ground remotely located devices. Attach ground wire to screw as required by National Electrical Code.	Steel**	HBL5709 A: 2.00" (50.80)
	0	B	Å			A	
	Special Nipple For hanging or connecting either .375 in. (9.5) or .5 in. (12.7) fixtures to Hubbell fittings with ½ in. trade size KOs.	Steel*	HBL5780 A: .63" (16.00)		Armored Cable Connector For connecting 14/2, 14/3, 12/2 and 12/3 "MC" and armored cable to Hubbell fittings. A short piece of HBL500, HBL700 or HBL750 Series Raceway must be used between this connector and the Hubbell fitting. Not for connection to ½ in. (12.7)	Steel**	HBL5790B A: 2.00" (50.80) B: .99" (25.25)
					flex conduit.	B A	

Note: *Zinc Plated Steel. **Galvanized Steel.

	Description	HBL500 Series	HBL700 Series	HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Tools	Cutter Portable cutter for HBL500, HBL700 or HBL750 Series Raceways.	HBL605CUT	HBL700CUT	HBL607CUT	Raceway Bender Portable bender for HBL500, HBL700 or HBL750 Series Raceways.	•	HBL600B
	Cutter Replacement Blade	HBL605K	HBL700K	HBL607K	Touch-Up Paint Pen	Ivory White	HBLIWEP HBLWWEP
		0 0	-) -		The state of the s		

Products at a Glance



HBL2000A Raceway

- Cover is 0.040 in. (1.016) thick which allows up to 600V AC
- Higher capacity power applications (up to 26 #12 AWG wires)
- Available in cover only or base and cover options



Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a "clean" look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available See page S-45 for selection



Bend Radius Fittings

- 1½ in. (38.10) bend radius
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications



Metal PlugTrak® Featuring Exclusive Receptacle Design

- Gray or ivory scratch resistant finish
- Multiple spacing configurations
- Hubbell designed and manufactured single receptacle
- Insulation displacement wiring provides superior wire retention
- Mates with HBL2000 Series Metal Raceway
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths
- Tamper-Resistant and USB versions available



HBL2000 and HBL2000A Series

	Description	Color	Catalog Number	S	Description	Color	Catalog Number
HBL2000 Series	Base and Cover (300V Rated) Cover is 0.025 in. (0.635) thick up to 300V AC applications. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	HBL2000BCIV HBL2000BCGY A: 60.00" (1,524.00) B: 1.31" (33.27) C: .83" (21.08)	HBL2000A Series	Base and Cover (600V Rated) Cover is 0.040 in. 1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	HBL2000BCAIV HBL2000BCAGY A: 60.00" (1,524.00) B: 1.31" (33.27) C: .83" (21.08)

	Description	Color	Catalog Number	Description	Color	Catalog Number
over	5 Ft. Base Only For use with HBL2000 and HBL2000A raceway. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	HBL2000B5IV HBL2000B5GY A: 60.00" (1,524.00) B: 1.31" (33.27)	5 Ft. Cover Only (300V Rated) Cover is 0.025 in. (0.635) thick. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	lvory Gray	HBL2000CIV HBL2000CGY A: 60.00" (1,524.00) B: 1.31" (33.27)
Base and C		A B		5 Ft. Cover Only (600V Rated) Cover is 0.040 in. (1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	lvory Gray	HBL2000CAIV HBL2000CAGY A: 60.00" (1,524.00) B: 1.31" (33.27)

		В			J-B'	
	Description	Color	Catalog Number	Description	Color	Catalog Number
Device Boxes	1-Gang Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Gray	HBL2048IV HBL2048GY A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	2-Gang Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	lvory Gray	HBL20482IV HBL20482GY A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)
	Internal Elbow Bend Radius For inside surface at right angles requiring a 1.5" (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	lvory Gray	HBL2017BRIV* HBL2017BRGY* A: .85" (21.56) B: 3.47" (88.11)			
Elbows	External Elbow Bend Radius For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Gray	HBL2018BRIV* HBL2018BRGY* A: 5.11" (129.72)			
	Flat Elbow Bend Radius For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications.	lvory Gray	HBL2011BRIV* HBL2011BRGY* A: 4.29" (109.03)			
Tees	Tee Fitting Bend Radius For branches at right angles. Couplings furnished. Suitable for Category 5, 5e, 6 and 6A applications.	lvory Gray	HBL2015BRIV* HBL2015BRGY* A: 7.35" (186.78) B: 4.33" (110.00)			

Note: *HBL2001C couplings included. **Galvanized Steel. Dimensions in Inches (mm)



HBL2000 and HBL2000A Series

	Description Color	Catalog Number	Description	Color	Catalog Number
	Transition Fitting For transitioning from Wiremold® 2000 Raceway to Hubbell HBL2000 Raceway.	HBL2000TFIV HBL2000TFGY A: .82" (20.71) B: 1.38" (35.12) C: 2.04" (51.82)	Entrance End Fitting For connecting HBL2000 Raceway with one ½ in. conduit and armored cable connectors.	lvory Gray	HBL2010A2IV HBL2010A2GY A: 3.01" (76.45) B: 1.30" (33.02) C: 1.49" (37.85)
End Fittings	Blank End Fitting For closing open end of HBL2000 Gray Raceway.	HBL2010BIV HBL2010BGY A: .78" (19.94)	Large Capacity Entrance End Fittin Offers larger capacity than HBL2010A2IV GY. One ½ in. trade size KO on each sid ½ in. and ¾ in. concentric KOs on end and bottom.	// Gray	HBL2010A3IV HBL2010A3GY A: 3.69" (93.80) B: 2.02" (51.18) C: 1.79" (45.36)
	End Reducing Connector For connecting HBL2000 Raceway to HBL500 Raceway through end of HBL2000 Raceway.	HBL2089EIV A: .78" (19.81)	Side Reducing Connector For connecting HBL2000 Raceway to HBL500 Raceway through side of HBL2000 Raceway.	lvory	HBL2089IV* A: 6.00" (152.40) B: 3.25" (82.55)
	Cover Clip Use to cover potential openings where two pieces of HBL2000 Raceway cover come together.	HBL2006IV HBL2006GY A: .75" (19.05)	Flush Plate Adaptor For feeding HBL2000 Raceway from an existing wall outlet. ½ in. threaded stud with steel locknut for grounding.	lvory Gray	HBL2051HIV HBL2051HGY A: 4.50" (114.30)
Fittings	Wire Clip For holding conductors in place in the raceway base. For use with HBL2000CIV/GY cover only.	HBL2000WC A: .44" (11.18) B: .24" (6.03) C: 1.24" (31.50)	Wire Clip For holding conductors in place in the raceway base. For use with HBL2000CAIV/GY cover only.	Steel**	HBL2000WCA A: .44" (11.18) B: .60" (15.17) C: 1.24" (31.50)
L	Coupling For joining lengths of HBL2000 Raceway.	HBL2001C A: 2.00" (50.80)	Supporting Clip For temporarily supporting lengths of HBL2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the	Steel**	HBL2003SC A: 2.00" (50.80)
	Ground Clamp For connection of equipment grounding conductor to provide an additional ground to raceway. Galvanized steel.	HBL2009GC A: 1.00" (25.64)	wall for secure fastening.		

Note: *HBL2001C couplings included. **Galvanized Steel.

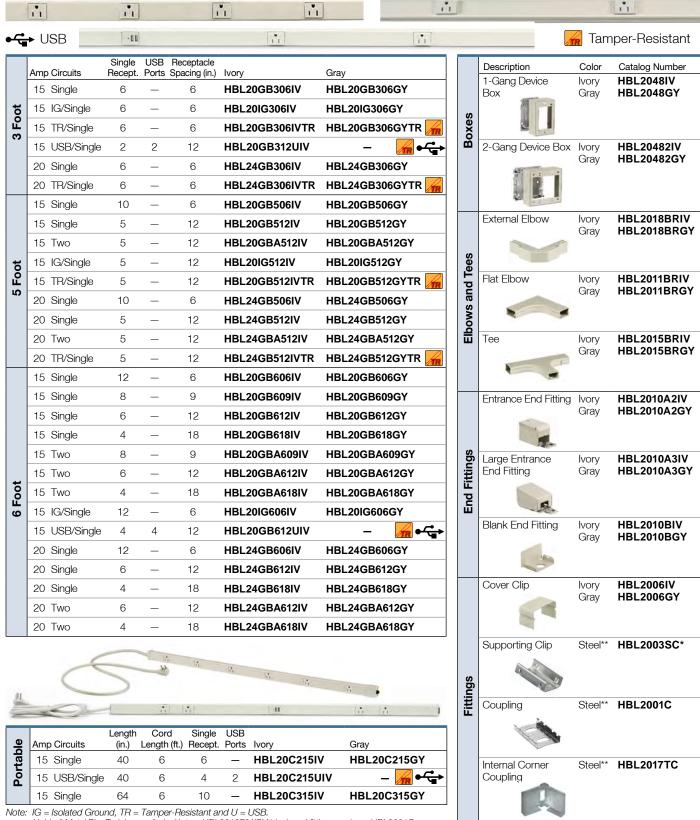
	Description	Catalog Number	Description	Color	Catalog Number
Tools	Cutter Portable cutter for HBL2000 Series Raceway. (Not for use with HBL2000A series).	HBL620C	Touch-Up Paint Pen	Ivory Gray	HBLIWEP HBLGWEP
	Cutter Replacement Blade Set	HBL620BCK			

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Metal PlugTrak® Series

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.



Hubbell Metal PlugTrak is supplied with two HBL2010BIV/GY blank end fittings and one HBL2001C coupling. Catalog number suffix "IV" for ivory finish and "GY" for gray finish. Outlets match raceway color. "IG" Isolated ground receptacles have orange triangles. Portable PlugTrak includes 15A circuit breaker.

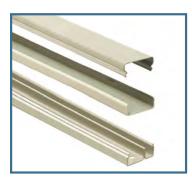
Dimensions in Inches (mm)

*Support clip HBL2003SC for supporting Portable Metal PlugTrak only.

^{**}Galvanized Steel.

See pages S-10 and S-11 for additional information.

Products at a Glance



HBL2400 and HBL2400D Raceway

- Increased capacity, over HBL2000 Series Raceway
- Divided base allows for dual services within one raceway profile



Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a "clean" look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available See page S-45 for selection



Bend Radius Fittings

- 1½ in. (38.10) bend radius
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications



HBL2400 and HBL2400D Series

es	Description	Color	Catalog Number
HBL2400 Serie	Undivided Base and Cover Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	lvory	HBL2400BCIV A: 60.00" (1,524.00) B: 1.91" (48.51) C: .88" (22.40)

	Description	Color	Catalog Number	Description	Color	Catalog Number
Series	10 Ft. Base, Undivided Packed 50 ft. (15m) per carton, 10 ft. (3m) lengths.	lvory	HBL2400B10IV A: 120.00" (3,048.00) B: 1.91" (48.51)	5 Ft. Cover Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	lvory	HBL2400CIV A: 60.00" (1,524.00) B: 1.89" (48.00)
HBL2400 Base and	5 Ft. Base, Undivided Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	lvory	HBL2400BIV A: 60.00" (1,524.00) B: 1.91" (48.51)		A B	
HBL2400D Series Base and Cover	10 Ft. Base, Divided Packed 50 ft. (15m) per carton, 10 ft. (3m) lengths.	lvory	HBL2400BDIV A: 120.00" (3,048.00) B: 1.91" (48.51)			



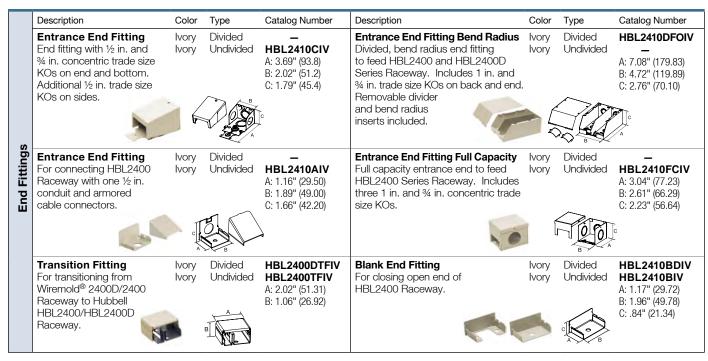
			1-Gang		2-	2-Gang		
Description	Color	Type	Standard	Extra Deep	Standard	Extra Deep		
Device Box For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box.	Ivory Ivory	Divided Undivided	HBL2448IVA A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	HBL2444DIVA HBL2444IVA A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	HBL24482IV A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)	HBL2444D2AIV HBL24442IV A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)		

	Description	Color	Туре	Catalog Number	Description	Color	Туре	Catalog Number
and Tees	and 6A applications.	Ivory Ivory	Divided Undivided	HBL2417DFOIV* HBL2417IV** A: 1.91" (48.51) B: 3.60" (91.30)	External Elbow Bend Radius For right angle turns around external corners. Suitable for Category 5, 5e, 6 and 6A applications.	lvory lvory	Divided Undivided	HBL2418DFOIV* HBL2418IV** A: 1.91" (48.51) B: 3.83" (97.28)
FIbows	90° Flat Elbow Bend Radius For right angle turns on same surface. Suitable for Category 5, 5e, 6 and 6A applications.	Ivory Ivory	Divided Undivided	HBL2411DFOIV* HBL2411IV** A: 6.00" (152.40) B: 5.00" (127.00) C: .90" (22.86)	Tee Fitting Bend Radius For branches at right angles. Suitable for Category 5, 5e, 6 and 6A applications.	lvory lvory	Divided Undivided	HBL2415DFOIV* HBL2415IV** A: 7.30" (185.42) B: 4.99" (126.75) C: 1.44" (36.58)

Note: *HBL2401DC couplings included. **HBL2401C couplings included.



HBL2400 and HBL2400D Series



	Description	Color	Catalog Number	Description	Color	Catalog Number
	End Reducing Connector For connecting HBL2400 Raceway to HBL2000 Raceway through end of HBL2400 Raceway.	Ivory	HBL2420REDIV* A: 3.81" (96.77) B: 2.07" (52.58) C: .90" (22.86)	End Reducing Connector For connecting HBL4750 Raceway to HBL2400 Raceway through end of HBL4750 Raceway. Includes HBL2401DC coupling (HBL4751AC not included).	lvory	HBL4724REDIV A: 4.75" (120.65) B: 3.00" (76.20) C: 1.55" (39.37)
	Side Reducing Connector For connecting HBL2400 Raceway to HBL500 Raceway through side of HBL2400 Raceway.	Ivory	HBL2489IV* A: 3.75" (95.25) B: 1.91" (48.51) C: .82" (20.83)	Bridge Fitting For allowing HBL2400 Series Raceway to bridge over existing installations of HBL2400, HBL750 and HBL500 Series Raceways.	Ivory	HBL2475DBRIV A: 5.60" (142.24) B: 2.92" (74.17) C: 1.63" (41.40)
Fittings	Cover Clip Use to cover potential openings where two pieces of HBL2400 Raceway cover come together.	lvory	HBL2406IV A: 1.50" (38.10)	Flush Plate Adaptor For feeding HBL2400 Raceway from an existing wall outlet box ½ in. trade size male nipple. Provided with locknut for grounding.	Ivory	HBL2451HIV* A: 4.50" (114.30)
	Wire Clip (Plated) For holding conductors in place.	Steel**	HBL2400WC A: 1.69" (42.93) B: 1.00" (25.40) C: .79" (20.00)	Ground Clamp (Plated) For connection of equipment grounding conductor to provide an additional ground to raceway.	Steel**	HBL2409GC A: .41" (10.41)
	Coupling (Plated), Divided For joining lengths of HBL2400 Raceway.	Steel**	HBL2401DC A: 2.00" (50.80) B: 1.86" (47.24)	Coupling (Plated), Undivided For joining lengths of HBL2400 Raceway.	Steel**	HBL2401C A: 2.00" (50.80) B: 1.86" (47.24)

Note: *Only used on HBL2400 Series Undivided Raceway.

**Galvanized Steel

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HBL2400 and HBL2400D Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
s and Frames	Receptacle Bracket and Frame For use with power devices with maximum width of 1.35 in. (84.3) and in low voltage applications with ISFxxAL frames found on page S-45.	lvory	HBL24106RRK* A: 6.00" (152.40) B: 2.02" (51.31)	Puplex Bracket and Frame For use with power devices with maximum width of 1.35 in. (84.3) and in low voltage applications with BR106AL and Q106AL frames found on page S-45.	lvory	HBL24106DRK* A: 6.00" (152.40) B: 2.02" (51.31)
Devices	Lamp Holder Medium base lamp holder 660W 250V ceramic. Ivory (Cover) White Ceramic (Lamp Holder).	lvory	HBL2426IV* A: 5.00" (127.00) B: 1.89" (48.01) C: 1.03" (26.16)			

Note: *Only used on HBL2400 Series Undivided Raceway.

	Description	Catalog Number	Description	Color	Catalog Number
Tools	Cutter Portable cutter for HBL2400/ HBL2400D Series Raceway.	HBL624CUT	Touch-Up Paint Pen	lvory	HBLIWEP
	Cutter Replacement Blade Set	HBL624BCK			

Products at a Glance



HBL3000 Series Extensive Line

- Full line of large, single channel, two piece metal raceway
- Easily mounts on walls or bench tops
- Large single channel base for power or datacom cables
- UL Listed and CSA Certified
- Available in ivory or gray powder coat finish



Innovative Box Design

- Hubbell Handi-Screw[®] eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a "clean" look
- Large capacity allows for the installation of 30, 50 or 60A receptacles
- Utility box can be used as a tee, cross, junction box or as a branch circuit extension



Transition Fittings

- UL Classified to transition from Wiremold® 3000 Series
 Metal Raceway to Hubbell HBL3000 Series Metal Raceway
- Reducer fitting provides transition from Hubbell HBL3000 Series to Hubbell HBL2000 Series Raceway



Plates and Covers

- Wide range of covers and cover plates accommodate the most demanding applications
- Removable cover and cover plates provide easy access to wiring compartment
- Precut covers and plates provide quick installation and are available in common configurations





HBL3000 Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
HBL3000 Series	Single Channel Base Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 2.75" (69.85) H: 1.53" (38.86)	Ivory Gray	HBL3000BIV HBL3000BGY A: 2.73" (69.34) B: 1.47" (37.34)	5 Ft. Cover Packed 100 ft. (30.5m) per carton, 5 ft. (1.5m) lengths.	lvory Gray	HBL3000CEIV HBL3000CEGY A: 60.00" (1,524.00) B: 2.75" (69.85)

Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.

		Description	Color	Catalog Number	Description	Color	Catalog Number
>	Boxes	Utility Box Cover has twistouts on all sides, allows for box to be used as tee, cross, junction box or for branch circuit extensions.	Ivory Gray	HBL3028IV HBL3028GY A: 6.41" (162.89) B: 6.41" (162.89) C: 1.90" (48.26)	2-Gang Extra Deep Switch and Receptacle Box For standard 30, 50 and 60A straight blade receptacles.	Ivory Gray	HBL30442IV HBL30442GY A: 6.38" (162.05) B: 6.38" (162.05) C: 2.75" (69.85)

S	Description	Color	Catalog Number	Description	Color	Catalog Number
Elbows and Tee	Internal Corner Coupling For surfaces at right angles or for use as a straight-through fitting.	Ivory Gray	HBL3017TCEIV HBL3017TCEGY A: 2.61" (66.29)	External Corner Coupling For right angle turns around external corners.	Ivory Gray	HBL3018AEIV HBL3018AEGY A: 4.00" (101.60)



HBL3000 Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
	Entrance End Fitting For connecting HBL3000 Raceway with ½ in. conduit and armored cable connectors.	lvory Gray	HBL3010AEIV HBL3010AEGY A: 2.75" (69.85) B: 3.42" (86.87)	Entrance End Fitting For connecting HBL3000 Raceway with rigid or flexible conduit. Concentric ½ in., % in. and 1 in. trade size KOs on end and each side.	Ivory Gray	HBL3010CIV HBL3010CGY A: 2.75" (69.85) B: 3.25" (82.55) C: 2.00" (50.80)
End Fittings	Blank End Fitting For closing open end of HBL3000 Raceway. Has concentric ½ in. and ¾ in. trade size KOs.	lvory Gray	HBL3010BIV HBL3010BGY A: 2.71" (68.92) B: 1.79" (45.36) C: 1.41" (35.84)	Panel Connector To connect HBL3000 Raceway with surface type boxes.	Ivory Gray	HBL3086IV HBL3086GY A: 4.60" (116.71) B: 1.19" (30.16) C: 3.00" (76.20) D: 1.94" (49.40) E: 3.76" (95.50)
	Conduit Connector To connect end of HBL3000 Raceway to 1½ in. trade size conduit or connector.	Gray	HBL3082GY A: 2.91" (74.00) B: 2.75" (69.85)	D	E	

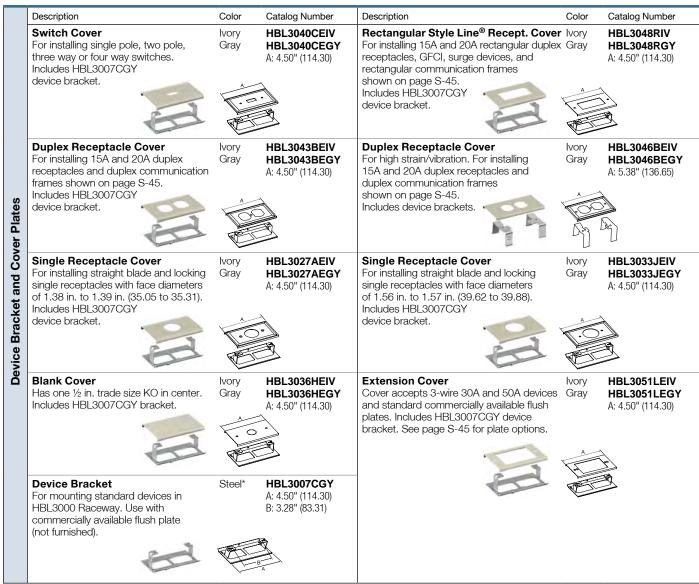
	Description Color	Catalog Number	Description	Color	Catalog Number
Fittings	Transition Fitting For transitioning from Wiremold® 3000 Raceway to Hubbell HBL3000 Raceway.	HBL3000TFIV HBL3000TFGY A: 2.85" (72.39) B: 2.15" (54.61) C: 1.50" (38.04)	Take-Off Connector (Reducer) Transition Hubbell HBL3000 Raceway to Hubbell HBL2000 Raceway.	Ivory Gray	HBL3200REDIV HBL3200REDGY A: 2.75" (69.85) B: 2.25" (57.15)
	Wall Box Connector For connecting to HBL3000 Raceway Gray from a flush mounted wall box.	HBL3014CIV HBL3014CGY A: 8.00" (203.20) B: 3.28" (83.31)	Tap-Off Fitting Has concentric ½ in. and ¾ in. trade size KOs and twistout for communication cables.	Ivory Gray	HBL3046H2IV HBL3046H2GY A: 4.75" (120.65)
	Cover Clip Ivory Use to cover potential openings Gray where two pieces of HBL3000 Raceway come together.	HBL3006EIV HBL3006EGY A: 2.78" (70.60) B: .75" (19.05)	Supporting Clip For supporting lengths of HBL3000 Raceway at any point. Mount with #8 flat head fastener. Has set screw for locking to raceway.	Ivory Gray	HBL3003IV HBL3003GY A: 2.81" (71.33) B: .75" (19.05)
	Wire Clip (Plated) Steel* For holding conductors in place.	HBL3000WCGY A: 1.00" (25.40)	Rigid Inside Coupling (Plated) For joining lengths of HBL3000 Raceway when added rigidity is required, i.e. raceway suspended overhead.	Steel*	HBL3001AGY A: 6.00" (152.40)
	Coupling (Plated) Steel* For joining lengths of HBL3000 Raceway.	HBL3001GY A: 2.20" (55.75)			

Note: *Galvanized Steel.

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HBL3000 Series



Note: *Galvanized Steel.

	Description Color	Catalog Number	Description	Catalog Number
Tools	Base Cutter Portable cutter for HBL3000 Raceway Base.	HBL630B	Cover Cutter Portable cutter for HBL3000 Raceway Cover.	HBL630C
으	Replacement Blade Cutter and Die Set Base blade set.	HBL630BDK	Replacement Blade Cutter and Die Set Cover blade set.	HBL630CDK
	Touch-Up Paint Per Ivory Gray	HBLIWEP HBLGWEP		

Products at a Glance



HBL4750 Device Bracket

- HBL4750 Device Bracket Plate provides excellent solution for power, data, voice, audio and video applications
- For use with Hubbell KP plates and Hubbell iSTATION modules and bezels
- Provides flush finish with overlap feature to hide potential miscuts



Application Capacity and Flexibility

- Flexible channel divider provides industry leading data capacity in the same profile with a 2/3 datacom split
- By-Pass Divider opening accepts GFCI or surge devices to be mounted in 70/30 divided channel
- Greater capacity offers more room for moves, adds and changes
- 50/50 split available by utilizing standard divider and divider clips
- Raceway channel can also be used with no divider for maximum cable fill in single service applications



End Reducing Connector

- Connects HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway
- Used to connect two different sized raceway profiles



Extensive Line

- 11/4 in. (31.75mm) bend radius fittings meet TIA/EIA requirements
- Integral bend radius offers a fixed solution that does not have to be installed as an option
- Large cross sectional area provides for maximum cable capacity throughout entire system
- Available external, internal, flat, tee and entrance end fittings
- UL Listed, CSA Certified
- Available in ivory or gray powder coat finish





HBL4750 Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
	Single Channel Base Packed 50 ft. (15.24m) per carton, 10 ft. (3m) lengths.	lvory Gray	Gray HBL4750B10GY A: 120.00" (3048.00) B: 4.75" (120.65) C: 1.62" (41.20)	5 Ft. Cover Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths.	lvory Gray	HBL4750CIV HBL4750CGY A: 60.00" (1,524.0) B: 4.75" (120.65)
	Assembled cover and base dimensions. W: 4.75" (120.65) H: 1.75" (44.45)	°		31 In. Precut Cover* For 36 in. (915.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	HBL4750C315IV HBL4750C315GY A: 31.50" (800.10) B: 4.75" (120.65)
HBL4750 Series		*		19 In. Precut Cover* For 24 in. (610.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	HBL4750C195IV HBL4750C195GY A: 19.50" (495.30) B: 4.75" (120.65)
HBL				13 In. Precut Cover* For 18 in. (457.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	HBL4750C135IV HBL4750C135GY A: 13.50" (342.90) B: 4.75" (120.65)
				7 In. Precut Cover* For 12 in. (305.00) centers with HBL4747 and HBL4750 Plates.	Ivory Gray	HBL4750C075IV HBL4750C075GY A: 7.50" (190.50) B: 4.75" (120.65)
					A B	à

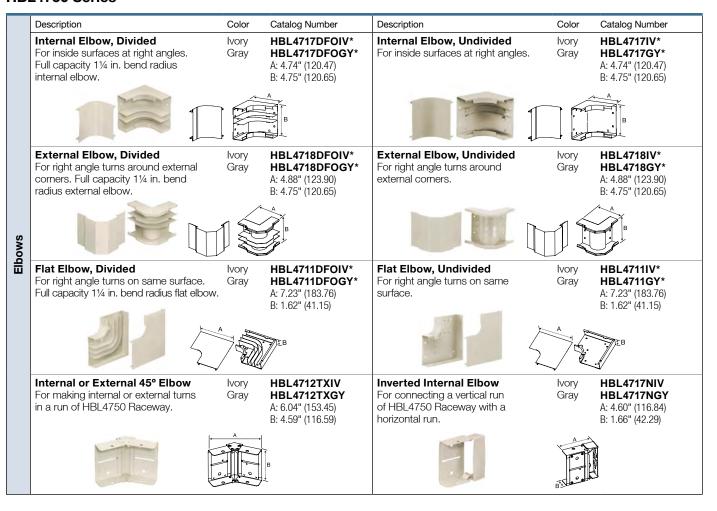
Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.

	Description	Color	Catalog Number	Description	Color	Catalog Number
	Divider Divides HBL4750 Raceway into two channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL4751DA Divider Clips are required to hold divider in place.	Painted Steel	HBL4750DGY A: 60.00" (1,524.0) B: 1.51" (38.46)	By-Pass Divider Divides HBL4750 Raceway into two channels with a 70/30 split. Allows for a larger power or datacom wire fill HBL4751DA Divider Clips are required to hold divider in place.	Painted Steel	HBL4750BP A: 7.12" (180.74) B: .89" (22.54)
		A	3	B	В	
Fittings	Divider Clip Required for holding HBL4750DGY in place. Use one every 2.5 ft. (.762m).	Steel**	HBL4751DA A: 4.64" (117.77) B: 1.46" (37.07)	Wire Clip (Plated) For holding conductors in place.	Steel**	HBL4750WCGY A: 4.60" (116.74) B: 1.58" (40.13) C: 1.00" (25.40)
		A JB		B.	A VC	
	Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line.	Steel**	HBL4717TCAGY A: 4.59" (116.59) B: 2.71" (68.73) C: 1.47" (37.34)	Coupling (Plated) For joining lengths of HBL4750 Raceway. Sold in pairs.	Steel**	HBL4751AC A: 1.47" (37.30) B: .42" (10.59)
	The basis of Charles	A B			A Jala B	

Note: **Galvanized Steel.



HBL4750 Series



	Description	Color	Catalog Number	Description	Color	Catalog Number
Tees	Tee Fitting, Divided For branches at right angles. Full capacity 1¼ in. bend radius tee fitting.	Ivory Gray	HBL4715DFOIV* HBL4715DFOGY* A: 10.93" (277.63) B: 7.27" (184.54) C: 1.62" (41.15)	Tee Fitting, Undivided For branches at right angles.	Ivory Gray	HBL4715IV* HBL4715GY* A: 10.93" (277.63) B: 7.27" (184.54) C: 1.62" (41.15)

Note: *HBL4751AC couplings included.



HBL4750 Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
End Fittings	Entrance End Fitting, Divided For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in., 1¼ in. KO and removable divider.	lvory Gray	HBL4710DFOIV* HBL4710DFOGY* A: 6.76" (171.70) B: 4.75" (120.65) C: 2.66" (67.50)	Entrance End Fitting, Undivided For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end.	lvory Gray	HBL4710IV* HBL4710GY* A: 6.76" (171.70) B: 4.75" (120.65) C: 2.66" (67.50)
	Blank End Fitting For closing open end of HBL4750 Raceway. Has two ½ in. trade size KOs.	lvory Gray	HBL4710BIV HBL4710BGY A: 4.59" (116.50) B: 1.64" (41.60) C: 1.31" (33.37)	Panel Connector To connect HBL4750 Raceway with surface type panel boxes.	lvory Gray	HBL4786AIV HBL4786AGY A: 7.50" (190.50)

	Description	Color	Catalog Number	Description	Color	Catalog Number
	Transition Fitting For transitioning Wiremold® 4000 Raceway to Hubbell HBL4750 Raceway.	lvory Gray	HBL4750TFIV HBL4750TFGY A: 5.02" (127.53) B: 2.79" (70.78)	Wall Box Connector For back feeding HBL4750 Raceway.	Ivory Gray	HBL4714AIV HBL4714AGY A: 12.00" (304.80) B: 4.75" (120.65) C: 1.62" (41.15)
	End Reducing Connector For connecting HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway. Includes HBL2401D coupling (HBL4751AC not included).	Ivory Gray	HBL4724REDIV A: 4.75" (120.65) B: 3.00" (76.20) C: 1.55" (39.37)	Bridge Fitting To bridge HBL4750 series raceway ove perpendicular run of raceway or other obstruction. Use standard raceway base and cover, cut in field to required length. Consists of two bridge pieces.	,	HBL4775DKITIV HBL4775DKITGY A: 4.76" (120.90) B: 5.00" (127.00) C: 3.38" (85.85)
Fittings	c B				BAA	:
	Take-Off Connector (HBL4750 To HBL3000) For 90° tee connection of HBL3000 Raceway from HBL4750 Raceway.	lvory Gray	HBL4774AIV HBL4774AGY A: 11.31" (287.38) B: 4.88" (124.00) C: 3.14" (79.78)	2-Gang Tap-Off Fitting Has four concentric ½ in. and ¾ in. trade size KOs.	lvory Gray	HBL4746H2IV HBL4746H2GY A: 4.75" (120.65) B: 4.75" (120.65)
	Connection Cover For covering potential openings where two covers come together.	Ivory Gray	HBL4756AIV HBL4756AGY A: 4.77" (121.16) B: .75" (19.05) C: .13" (3.36)			

Note: *HBL4751AC couplings included.



HBL4750 Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
ng Bracket	1-Gang Commercial Device Plate Vertical Mount Use with commercially available 1-gang flush plates. See page S-45 for plate options. For single service applications only.	Gray	HBL4747CVMIV HBL4747CVMGY A: 2.50" (63.50) B: 4.75" (120.65)	2-Gang Commercial Device Plate Vertical Mount Use with commercially available 2-gang flush plates. See page S-45 for plate options. For single service applications only.	Ivory Gray	HBL4747CVM2IV HBL4747CVM2GY A: 4.32" (109.86) B: 4.75" (120.65)
Device Plates and Mounting Bracket	2-Gang, One Opening for 1-Gang Comm. Device Plate, One Blank Use with commercially available 1-gang flush plates. See page S-45 for plate options.	Gray	HBL4747C1IV HBL4747C1GY A: 5.12" (130.18) B: 4.75" (120.65)	2-Gang, One Opening for 2-Gang Commercial Device Plate Use with commercially available 2-gang flush plates. See page S-45 for plate options.	lvory Gray	HBL4747C2IV HBL4747C2GY A: 5.12" (130.18) B: 4.75" (120.65)
Device	Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages S-45 and S-46 for datacom product selection.	Gray	HBL4750IV HBL4750GY A: 5.25" (133.35) B: 4.76" (120.90)		r	
	2-Gang Cover, Single Round Opening, One Blank For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.00 to 36.00).	Gray	HBL4747AXIV HBL4747AXGY A: 5.43" (137.97) B: 4.75" (120.65)	2-Gang, Single Round Opening, One Blank For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13).	Ivory Gray	HBL4747JXIV HBL4747JXGY A: 5.43" (137.97) B: 4.75" (120.65)
Mounting Bracket)	One Blank For 15A and 20A duplex receptacles and duplex communication frames	Gray	HBL4747BXIV HBL4747BXGY A: 5.43" (137.97) B: 4.75" (120.65)	2-Gang, One Style Line® Opening, One Blank For Style Line rectangular receptacles, GFCI and surge devices and rectangular communication frames shown on page S-45.	lvory Gray	HBL4747RXIV HBL4747RXGY A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang Cover Plates (Include Mountin	For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45.	Gray	HBL4747BBIV HBL4747BBGY A: 5.43" (137.97) B: 4.75" (120.65)	2-Gang, One Style Line® Opening, One Modular Furniture For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. Includes modular furniture with two keystone twistouts.	Ivory Gray	HBL4747RFIV HBL4747RFGY A: 5.43" (137.97) B: 4.75" (120.65)
	2-Gang, One Duplex Opening, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes modular furniture with two keystone twistouts.	Gray	HBL4747BFIV HBL4747BFGY A: 5.43" (137.97) B: 4.75" (120.65)	2-Gang, One Duplex Opening, One Style Line® Opening For 15A and 20A duplex receptacles and Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45.	lvory Gray	HBL4747BRIV HBL4747BRGY A: 5.43" (137.97) B: 4.75" (120.65)
	2-Gang, One Duplex Opening, One Ortronics® Series II® Mini Adapter Bezel For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics® Series II® Mini Adapter Bezel.	Gray	HBL4747BSIV HBL4747BSGY A: 5.43" (137.97) B: 4.75" (120.65)	2-Gang, One Duplex Opening, One Ortronics® TracJack® Mini Adapter Bezel For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics® TracJack® Mini Adapter Bezel.	Ivory Gray	HBL4747BTIV HBL4747BTGY A: 5.43" (137.97) B: 4.75" (120.65)
	Includes Ortronics® Series II®		(123.55)	Includes Ortronics® TracJack®	• O • B	

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HBL4750 Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
	4-Gang, Four Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. • OO	Ivory Gray	HBL47472BBBBIV HBL47472BBBBGY A: 10.22" (259.56) B: 4.75" (120.65)	4-Gang, Two Style Line® Openings, Two Blanks For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. Includes two blanks.	lvory Gray	HBL47472RRXXIV HBL47472RRXXGY A: 10.22" (259.56) B: 4.75" (120.65)
Mounting Bracket)	4-Gang, Two Duplex Openings, Two Style Line® Openings For 15A and 20A duplex receptacles. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45.	lvory Gray	HBL47472BBRRIV HBL47472BBRRGY A: 10.22" (259.56) B: 4.75" (120.65)	4-Gang, Two Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® Series II® Mini Adapter Bezels.	lvory Gray	HBL47472BBSSIV HBL47472BBSSGY A: 10.22" (259.56) B: 4.75" (120.65)
Cover Plates (Include Mounting		00 · B		• • • • • • • • • • • • • • • • • • • •	0 00	
	4-Gang, Two Duplex Openings, Two Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two modular furniture with two keystone twistouts.	Ivory Gray	HBL47472BBFFIV HBL47472BBFFGY A: 10.22" (259.56) B: 4.75" (120.65)	4-Gang, Two Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® TracJack® Mini Adapter Bezels.	Ivory Gray	HBL47472BBTTIV HBL47472BBTTGY A: 10.22" (259.56) B: 4.75" (120.65)
4-Gang	• OO • □ □			• 0	0 00	
	4-Gang, Two Duplex Openings, Two Blanks For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two blanks.	lvory Gray	HBL47472BBXXIV HBL47472BBXXGY A: 10.22" (259.56) B: 4.75" (120.65)			
	• OO •	00.				

	Description	Color	Catalog Number	Description	Catalog Number
Tools	Base Cutter Cutter for cutting base of HBL4750 Raceway.		HBL640B	Cover Cutter Cutter for cutting cover of HBL4750 Raceway.	HBL640C
ě	Replacement Blade Cutter and Die S Base blade set.	Set	HBL640BDK	Replacement Blade Cutter and Die Set Cover blade set.	HBL640CDK
	Touch-Up Paint Pen	lvory Gray	HBLIWEP HBLGWEP		

Dimensions in Inches (mm)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.

Products at a Glance



HBL6750 Device Bracket

- HBL6750 Device Bracket Plate provides excellent solution for three channel power, data, voice, audio and video applications
- For use with Hubbell KP plates and Hubbell iSTATION Modules and Bezels
- Provides flush finish with overlap feature to hide potential miscuts



Maximum Capacity

- HBL6750 Series options include single channel (no divider), two channel (1/3, 2/3 divider) or three channel (1/3, 1/3, 1/3 divider)
- HBL6750 Series offers maximum capacity in a low profile raceway
- HBL6750, two channel version, features industry leading capacity equivalent to a HBL4750 single channel profile with an additional channel
- Low profile raceway provides a less conspicuous profile than competitive versions
- Available in 10 ft. (3m) lengths



Unique Line of Fittings

- 1¼ in. (31.75mm) bend radius fittings meet TIA/EIA requirements
- Integral bend radius offers a fixed solution that does not have to be field installed
- Large cross sectional area provides for maximum cable capacity throughout entire system
- Available external, internal, flat, tee and entrance end fittings
- UL Listed, CSA Certified
- Available in ivory or gray powder coat finish



Plates and Covers

- Wide variety of overlapping cover plates provide flexibility for power, data, voice, audio and video applications
- Available in both three and six-gang options
- Cover plates accept wide selection of Hubbell iSTATION Modules and Bezels
- Cover plates help to conceal unsightly gaps caused by miscuts
- Precut cover options allow for 12 in. (304.80mm), 18 in. (457.20mm), 24 in. (609.60mm) and 36 in. (914.40mm) "on-center" mounting
- Open System architecture available





HBL6750 Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
	Single Channel Base Packed 20 ft. (6.1m) per carton, 10 ft. (3m) lengths.	lvory Gray	HBL6750B10IV HBL6750B10GY A: 120.00" (3048.00) B: 6.75" (171.45) C: 2.12" (53.85)	5 Ft. Cover Packed 20 ft. (6.1m) per carton, 5 ft. (1.5m) lengths.	lvory Gray	HBL6750CIV HBL6750CGY A: 60.00" (1,524.0) B: 6.75" (171.45)
	Assembled cover and base dimensions. W: 6.75" (171.45) H: 2.22" (56.39)	I	0. 2.12 (00.00)	31 In. Precut Cover* For 36 in. (915.00) centers with HBL6747 and HBL6750 Plates.	lvory Gray	HBL6750C315IV HBL6750C315GY A: 31.50" (800.10) B: 6.75" (171.45)
750 Series		A	8	19 In. Precut Cover* For 24 in. (610.00) centers with HBL6747 and HBL6750 Plates.	lvory Gray	HBL6750C195IV HBL6750C195GY A: 19.50" (495.30) B: 6.75" (171.45)
HBL6750				13 In. Precut Cover* For 18 in. (457.00) centers with HBL6747 and HBL6750 Plates.	lvory Gray	HBL6750C135IV HBL6750C135GY A: 13.50" (342.90) B: 6.75" (171.45)
				7 In. Precut Cover* For 12 in. (305.00) centers with HBL6747 and HBL6750 Plates.	lvory Gray	HBL6750C075IV HBL6750C075GY A: 7.50" (190.50) B: 6.75" (171.45)
					A	A

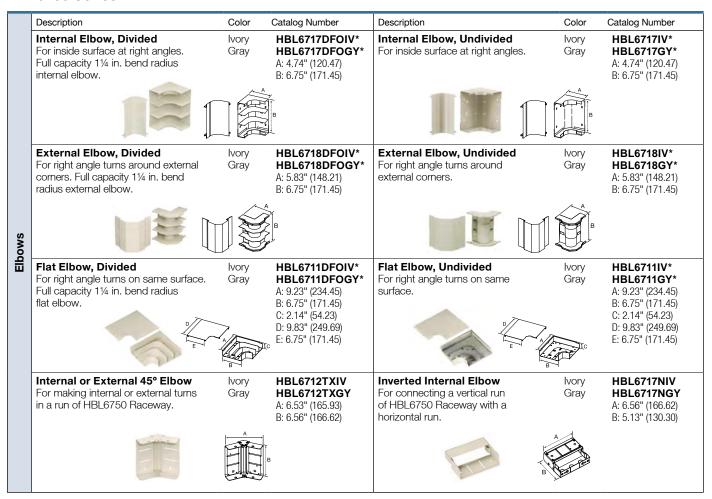
Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.

	Description	Color	Catalog Number	Description	Color	Catalog Number
	Divider Divides HBL6750 Raceway into two or three channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL6751DAGY Divider Clips are require to hold divider in place.		HBL6750DAGY A: 60.00" (1524.00) B: 2.03" (51.56)	Wire Clip (Plated) For holding conductors in place.	Steel**	HBL6750WCGY A: 6.61" (167.80) B: 2.09" (53.05)
Fittings	Divider Clip (Plated) Required for holding HBL6750DAGY in place. Use one every 2.5 ft. (.762m).	Steel**	HBL6751DAGY A: 6.60" (167.67) B: 1.97" (50.10)	Coupling (Plated) For joining lengths of HBL6750 Raceway. Sold in pairs.	Steel**	HBL6751A A: 2.00" (50.71) B: .42" (10.59)
		A		18.75	A BEACH	
	Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line.	Steel**	HBL6717TCAGY A: 6.56" (166.62) B: 1.94" (49.28)			

Note: **Galvanized Steel.



HBL6750 Series



	Description	Color	Catalog Number	Description	Color	Catalog Number
Tees	Tee Fitting, Divided For branches at right angles. Full capacity 1¼ in. bend radius tee fitting.	lvory Gray	HBL6715DFOIV* HBL6715DFOGY* A: 8.75" (222.25) B: 6.63" (168.40) C: 3.56" (90.48) D: 7.92" (201.07) E: 6.75" (171.45)	Tee Fitting, Undivided For branches at right angles.	lvory Gray	HBL6715IV* HBL6715GY* A: 8.75" (222.25) B: 6.63" (168.40) C: 3.56" (90.48) D: 7.92" (201.07) E: 6.75" (171.45)

Note: *HBL6751A couplings included.

Metal Raceway



HBL6750 Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
Ø	Entrance End Fitting, Divided For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in. and 1¼ in. KO and removable dividers.	Ivory Gray	HBL6710DFOIV* HBL6710DFOGY* A: 6.75" (171.45) B: 6.75" (171.45) C: 3.18" (180.71)	Entrance End Fitting, Undivided For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end.	Ivory Gray	HBL6710IV* HBL6710GY* A: 6.75" (171.45) B: 6.75" (171.45) C: 3.18" (180.71)
End Fittings					000 000 B	
	Blank End Fitting For closing open end of HBL6750 Raceway. Has three ½ in. trade size KOs.	lvory Gray	HBL6710BIV HBL6710BGY A: 6.56" (166.62) B: 1.98" (50.41) C: 1.33" (33.90)	Panel Connector To connect HBL6750 Raceway with surface type panel boxes.	Ivory Gray	HBL6786IV HBL6786GY A: 7.51" (190.86) B: 2.00" (50.83) C: 7.89" (200.37)
	B	00	G: 1.33 (33.90)	BJ	C	D: 2.38" (60.34)

	Description	Color	Catalog Number	Description	Color	Catalog Number
	Transition Fitting For transitioning from Wiremold® 6000 Raceway to Hubbell HBL6750 Raceway.	lvory Gray	HBL6750TFIV HBL6750TFGY A: 4.35" (110.42) B: 6.96" (176.87)	Wall Box Connector For back feeding HBL6750 Raceway.	Ivory Gray	HBL6714AIV HBL6714AGY A: 6.75" (171.45) B: 2.14" (54.28) C: 9.90" (251.46)
Fittings	Take-Off Connector (HBL6750-HBL4750) For 90° tee connection of HBL4750 Raceway from HBL6750 Raceway.	lvory Gray	HBL6774AIV HBL6774AGY A: 14.36" (364.76) B: 6.75" (171.45) C: 11.47" (291.29) D: 6.72" (170.69)	3-Gang Tap-Off Fitting Has six concentric ½ in. and ¾ in. trade size KOs.	Ivory Gray	HBL6746HHHIV HBL6746HHHGY A: 4.35" (110.42) B: 6.96" (176.87)
	Connection Cover For covering potential openings where two covers come together.	lvory Gray	HBL6756AIV HBL6756AGY A: 6.75" (171.45) B: .59" (14.89)			

Note: *HBL4751AC couplings included.

Metal Raceway



HBL6750 Series

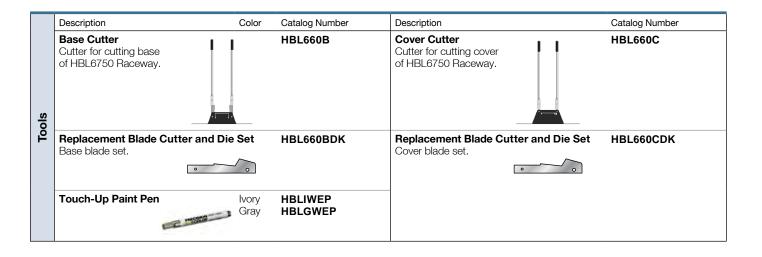
	Description	Color	Catalog Number	Description	Color	Catalog Number
ß	3-Gang, One Opening for 1-Gang Commercial Device Plate, Two Blanks Use with commercially available 1-gang flush plates. See page S-45 for plate options.	Ivory Gray	HBL6747C1IV HBL6747C1GY A: 5.43" (137.97) B: 6.75" (171.45)	3-Gang, One Opening for 2-Gang Commercial Device Plate, One Blank Use with commercially available 2-gang flush plates. See page S-45 for plate options.	lvory Gray	HBL6747C2IV HBL6747C2GY A: 5.43" (137.97) B: 6.75" (171.45)
	Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages S-45 and S-46 for datacom product selection.	lvory Gray	HBL6750IV HBL6750GY A: 5.25" (133.35) B: 6.75" (171.45)			
	3-Gang, One Duplex Opening, Two Blanks For 15A and 20A duplex receptacles and duplex communication plates.	Ivory Gray	HBL6747BXXIV HBL6747BXXGY A: 5.43" (137.97) B: 6.75" (171.45)	3-Gang, One Single Round Opening, Two Blanks For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.05 to 35.31).	lvory Gray	HBL6747AXXIV HBL6747AXXGY A: 5.43" (137.97) B: 6.75" (171.45)
	3-Gang, Three Duplex Openings For 15A and 20A duplex receptacles and duplex communication plates.	Ivory Gray	HBL6747BBBIV HBL6747BBBGY A: 5.43" (137.97) B: 6.75" (171.45)	3-Gang, One Single Round Opening, Two Blanks For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13).	Ivory Gray	HBL6747JXXIV HBL6747JXXGY A: 5.43" (137.97) B: 6.75" (171.45)
	3-Gang, One Duplex Opening, Two Style Line® Openings For 15A and 20A duplex receptacles and duplex communication plates. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45.	Ivory Gray	HBL6747BRRIV HBL6747BRRGY A: 5.43" (137.97) B: 6.75" (171.45)	3-Gang, One Style Line® Opening, Two Blanks For one Style Line rectangular receptacle, GFCI, surge device or rectangular communication device.	lvory Gray	HBL6747RXXIV HBL6747RXXGY A: 5.43" (137.97) B: 6.75" (171.45)
	3-Gang, Two Duplex Openings, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes modular furniture with two keystone twistouts.	Ivory Gray	HBL6747BBFIV HBL6747BBFGY A: 5.43" (137.97) B: 6.75" (171.45)	3-Gang, Two Style Line® Openings, One Modular Furniture For two Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. Includes modular furniture with two keystone twistouts.	Ivory Gray	HBL6747RRFIV HBL6747RRFGY A: 5.43" (137.97) B: 6.75" (171.45)
	3-Gang, Two Duplex Openings, One Ortronics® Series II® Mini Adapter Bezel For two 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes Ortronics® Series II® Mini Adapter Bezel.	lvory Gray	HBL6747BBSIV HBL6747BBSGY A: 5.43" (137.97) B: 6.75" (171.45)	3-Gang, Two Duplex Openings, One Ortronics® TracJack® Mini Adapter Bezel For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes Ortronics® TracJack® Mini Adapter Bezel.	Gray	HBL6747BBTIV HBL6747BBTGY A: 5.43" (137.97) B: 6.75" (171.45)

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HBL6750 Series

	Description	Color	Catalog Number	Description	Color	Catalog Number
0	6-Gang, Six Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45.		HBL67473BBBBBBBV HBL67473BBBBBBBGY A: 10.22" (259.56) B: 6.75" (171.45)	6-Gang, Four Style Line® Openings, Two Blanks For four Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45.	Ivory Gray	HBL67473RRRRXXIV HBL67473RRRRXXGY A: 10.22" (259.56) B: 6.75" (171.45)
nclude Mounting Bracket)	6-Gang, Two Duplex Openings, Four Style Line® Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication devices.	lvory Gray	HBL67473BBRRRRIV HBL67473BBRRRRGY A: 10.22" (259.56) B: 6.75" (171.45)	6-Gang, Four Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two Ortronics® Series II® Mini Adapter Bezels.	lvory Gray	
6-Gang Cover Plates (Include	6-Gang, Four Duplex Openings, Two Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two modular furniture with two keystone twistouts.	(HBL67473BBBBFFIV HBL67473BBBBFFGY A: 10.22" (259.56) B: 6.75" (171.45)	6-Gang, Four Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two Ortronics® TracJack® Mini Adapter Bezels.	lvory Gray	
	6-Gang, Four Duplex Openings, Two Blanks For four 15A and 20A duplex receptacles and duplex communication frames shown on page S-45.		HBL67473BBBBXXIV HBL67473BBBBXXGY A: 10.22" (259.56) B: 6.75" (171.45)			



Dimensions in Inches (mm)

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Products at a Glance



HBLALU2000 Series

- Single channel aluminum raceway
- Satin anodized finish
- · Resists oxidation, corrosion and fading
- · Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



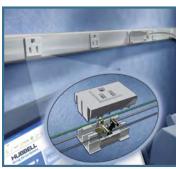
Aluminum Boxes

- Both in-line and standard boxes available
- Hubbell Handi-Screw[®] eliminates difficult to install long screws for easier installation
- Rounded corners eliminate sharp edges
- One seam construction provides "clean" look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available. See section O for selection



Wide Selection of Fittings

- Elbows (external, internal, flat) and tee fitting available to accommodate all types of applications
- HBLALU2001 Coupling included with elbows and tee fitting



Aluminum PlugTrak® Featuring Exclusive Receptacle Design

- Satin anodized scratch resistant finish
- Multiple spacing configurations
- Hubbell designed and manufactured single receptacle
- Insulation displacement wiring provides superior wire retention
- Mates with HBLALU2000 Aluminum Raceway
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths
- Tamper-Resistant versions available



HBLALU2000 Series

	Description	Material	Catalog Number	Description	Material	Catalog Number
HBLALU2000 Series	5 Ft. Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	HBLALU2000B5 A: .82" (21.00) B: 1.84" (46.74)	Cover Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	HBLALU2000C5 A: 1.84" (46.74)
	10 Ft. Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions.	Anodized Aluminum	HBLALU2000B10 A: .82" (21.00) B: 1.84" (46.74)		<u> </u>	1
		+	В			











	Description	Material	1-Gang	2-Gang	Description	Material	Round Box
Standard	Device Box For standard switches and receptacles.	Anodized Aluminum	HBLALU2047 A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	HBLALU20472 A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)	Fixture Box with Solid Base To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00).	Anodized Aluminum	HBLALU2038 A: 1.38" (35.05) B: 4.93" (125.22)
Deep	Device Box For deep switches and receptacles.	Anodized Aluminum	HBLALU2044 A: 4.54" (115.32) B: 2.82" (71.63) C: 2.25" (57.15)	HBLALU20442 A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)			
Base	e Trade Size KOs		1 - ½", ¾" Concentric 1 - Rectangular	1 - ½" 1 - Rectangular			

	Description	Material	Catalog Number	Description	Material	Catalog Number
and Tees	Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	HBLALU2017* A: 3.00" (76.20) B: 3.00" (76.20)	External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	HBLALU2018* A: 2.91" (74.04) B: 2.91" (74.04)
Elbows	Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	HBLALU2011* A: 3.00" (76.20) B: 3.00" (76.20)	Tee Fitting For branch connections of right angles.	Anodized Aluminum	HBLALU2015* A: 4.00" (101.60) B: 3.40" (86.36)

Note: *HBLALU2001 couplings included.



HBLALU2000 Series

	Description	Material	Catalog Number	Description	Material	Catalog Number
End Fittings	Entrance End Fitting ½ in. NPT steel fitting.	Anodized Aluminum Plate	HBLALU2010A A: 1.84" (47.74) B: .91" (23.11) C: 1.51" (38.35)	Blank End Fitting For closing end of raceway.	Anodized Aluminum	HBLALU2010B A: 1.84" (46.74) B: .91" (23.11)

	Description	Material	Catalog Number	Description	Material	Catalog Number
	Cover Clip Use to cover potential openings where two pieces of HBLALU2000 Raceway cover come together.	Stainless Steel	HBLALU2006 A: 1.00" (25.40)	Wire Clip For holding conductors in place.	Anodized Aluminum	HBLALU2000WC A: .44" (11.20)
Fittings	Å			N R	V _A	
ū	Flush Plate Adaptor For feeding HBL2000 Raceway from an existing wall outlet. Locknut included.	Anodized Aluminum	HBLALU2051H A: 4.50" (114.3) B: 4.50" (114.3)	Coupling (Pair) For joining lengths of HBLALU2000 Raceway.	Aluminum	HBLALU2001 A: 1.67" (42.42) B: 1.67" (42.42)
	Loss viat a notation	6			B	

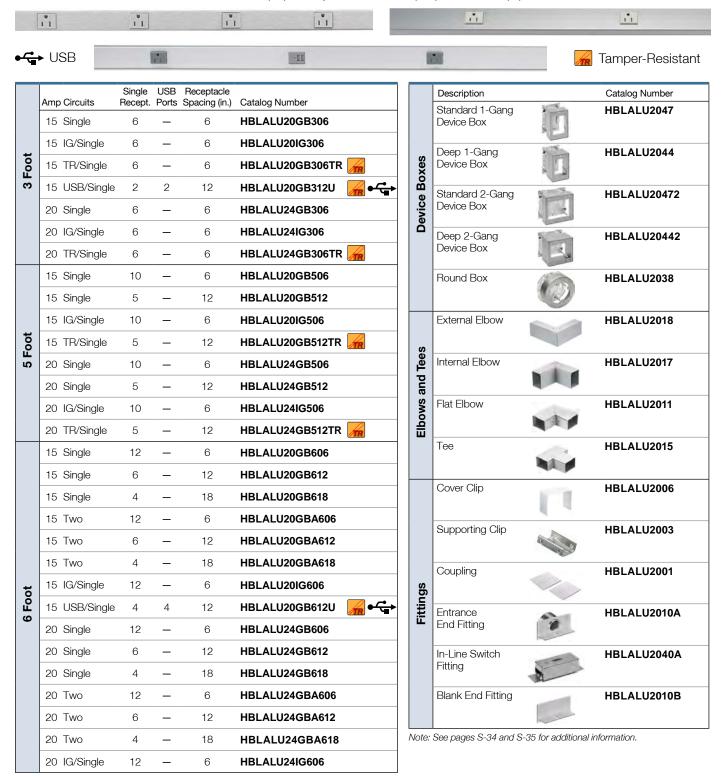
	Description	Material	Catalog Number	Description	Material	Catalog Number
Devices and In-Line Fittings	In-Line Switch Fitting (Switch sold separately).	Anodized Aluminum	HBLALU2040A A: 4.12" (104.65) B: 1.84" (46.74)	Ground Adapter (Plated) For connection of equipment grounding conductor to provide an additional ground to raceway. Screws included.	Steel**	HBLALU2009 A: 2.35" (59.8) B: 1.18" (30.0)
	Supporting Clip For mounting lengths of HBLALU2000 Raceway at any point. Mount with #6 fla head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening.	at g	HBLALU2003 A: 2.00" (50.80)			

Note: *HBLALU2001 couplings included.
**Galvanized Steel.



Aluminum PlugTrak® Series

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.



Note: IG = Isolated Ground, TR = Tamper-Resistant and U = USB.

Hubbell Aluminum PlugTrak is supplied with two HBLALU2010B blank end fittings and one HBLALU2001 coupling.

Products at a Glance



HBLALU3800 and HBLALU4800 Series

- Single and two channel aluminum raceways
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



Split Covers

- Single and two channel raceways utilize common cover
- Split covers allow access to one service at a time
- Common aesthetics throughout line



Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications
- Available in both single and two channel versions



Device Cover Plates

- Cover plates can be used for both HBLALU3800 and HBLALU4800 Raceways
- Cover plates offer option for most common power device applications
- Low profile bezel cover accommodates Hubbell iSTATION Modules
- Open System data option available
- Base mounted cover plates available for added strength





HBLALU3800 Series

တ္ဆ	Description	Material	Catalog Number	Description	Material	Catalog Number
HBLALU3800 Series	Single Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths.	Anodized Aluminum	HBLALU3800B10 A: 2.10" (53.34) B: 3.00" (76.20)	Cover Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	HBLALUC5 A: 3.00" (76.20)
	Assembled cover and base dimensions. W: 3.00" (76.20) H: 2.25" (57.15)	A L	В		A	1

	5		0			0
	Description	Material	Catalog Number	Description	Material	Catalog Number
	Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	HBLALU3817* A: 6.00" (152.40) B: 6.00" (152.40)	Inverted Internal Elbow For connecting a vertical run of HBLALU3800 with a horizontal run with its cover facing up.	Anodized Aluminum	HBLALU3817N* A: 6.00" (152.40) B: 5.98" (151.89)
es	M	A B	Ĭ		В	
Elbows and Tees	External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	HBLALU3818* A: 6.00" (152.40) B: 6.00" (152.40)	Tee For branch connections of two runs of HBLALU3800 Raceway.	Anodized Aluminum	HBLALU3815* A: 6.00" (152.40) B: 6.00" (152.40)
Elbow						B
	Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	HBLALU3811* A: 6.00" (152.40) B: 6.00" (152.40)			
End Fittings	Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	HBLALU3810B1 A: 3.00" (76.20) B: 2.31" (58.74)	Blank End Fitting For closing end of raceway.	Anodized Aluminum	HBLALU3810B A: 3.00" (76.20) B: 2.31" (58.74)
End F		O B			A	В
	Cover Clip To cover seam where lengths of HBLALU3800 Raceway come together.	Stainless Steel	HBLALU3806 A: 1.38" (34.92)	Wire Clip For holding conductors in place. Can be used for either HBLALU3800 or HBLALU4800 Raceway.	Anodized Aluminum	HBLALUWC A: 1.00" (25.40)
				1		À
Fittings	Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	HBLALU17A A: 4.00" (101.80) B: 2.00" (50.83)	Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	HBLALU09 A: 4.00" (101.80) B: 2.00" (50.83)
E				3	B	5)
	Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base.	Aluminum	HBLALU01 A: 2.85" (72.39) B: 4.00" (101.80)			
	*HBLALU01 couplings included	B				

Note: *HBLALU01 couplings included. See page S-40 for cover plates.





HBLALU4800 Series

es	Description	Material	Catalog Number	Description	Material	Catalog Number
4800 Serie	Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths.	Anodized Aluminum	HBLALU4800B10 A: 2.10" (53.34) B: 6.00" (152.40)	Cover (Single Channel) Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	HBLALUC5 A: 3.00" (76.20)
HBLALU	Assembled cover and base dimensions. W: 6.00" (152.40) H: 2.25" (57.15)	A	В		- A	<u> </u>

	Description	Material	Catalog Number	Description	Material	Catalog Number
S	Internal Elbow (Two Channel) For making a 90° internal turn in a raceway run.	Anodized Aluminum	HBLALU4817* A: 6.00" (152.40) B: 6.00" (152.40)	Inverted Internal Elbow (Two Channel) For connecting a vertical run of HBLALU4800 with a horizontal rur with its cover facing up.	Anodized Aluminum	HBLALU4817N* A: 6.00" (152.40) B: 5.98" (151.89)
Elbows and Tees	External Elbow (Two Channel) For making a 90° external turn in a raceway run.	Anodized Aluminum	HBLALU4818* A: 6.00" (152.40) B: 6.00" (152.40)	Tee (Two Channel) For branch connections of two runs of HBLALU4800 Raceway.	Anodized Aluminum	HBLALU4815* A: 9.00" (228.60) B: 9.00" (228.60)
	Flat Elbow (Two Channel) For making a 90° flat turn in a raceway run.	Anodized Aluminum	HBLALU4811* A: 9.00" (228.60) B: 9.00" (228.60)		4 4	
End Fittings	Entrance End Fitting (Two Channel) For feeding raceway, has two concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	HBLALU4810B2 A: 6.00" (152.40) B: 2.31" (58.74)	Blank End Fitting (Two Channel) For closing end of raceway.	Anodized Aluminum	HBLALU4810B A: 6.00" (152.40) B: 2.31" (58.74)
	Cover Clip To cover seam where lengths of HBLALU4800 Raceway come togethe	Stainless Steel r.	HBLALU4806 A: 1.38" (34.92)	Wire Clip Used for holding conductors in place on raceway. Can be used for either HBLALU3800 or HBLALU4800 Raceway.	Anodized Aluminum	HBLALUWC A: 1.00" (25.40)
Fittings	Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a racewarun.	Anodized Aluminum ay	HBLALU17A A: 4.00" (101.80) B: 2.00" (50.83)	Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	HBLALU09 A: 4.00" (101.80) B: 2.00" (50.83)
	Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base.	Aluminum	HBLALU01 A: 2.85" (72.39) B: 4.00" (101.80)			

Note: *HBLALU01 couplings included. See page S-40 for cover plates.



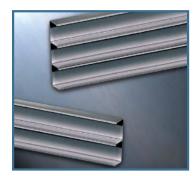
HBLALU3800 and HBLALU4800 Series

	Description	Material	Catalog Number	Description	Material	Catalog Number
	Duplex Receptacle Cover For duplex receptacles and duplex communication frames	Anodized Aluminum	HBLALUDR A: 3.00" (76.20) B: 12.00" (304.80)	Toggle Switch Cover For single pole, two pole, three way or four way switches.	Anodized Aluminum	HBLALUN A: 3.00" (76.20) B: 12.00" (304.80)
	shown on page S-45.	·00·	HBLALU34DRBM (Base Mounted Device)	<u>*// •</u>	=·	HBLALU34NBM (Base Mounted Device)
	Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or	Anodized Aluminum	HBLALUG A: 3.00" (76.20) B: 12.00" (304.80)	Single Receptacle Cover For single receptacle with face diameters of 1.38 in. to 1.39 in.	Anodized Aluminum	HBLALUE A: 3.00" (76.20) B: 12.00" (304.80)
	rectangular communication frames shown on page S-45.		HBLALU34GBM (Base Mounted Device)	(35.05 to 35.31).		HBLALU34EBM (Base Mounted Device
	<u>^/</u>	•		<u> </u>	<u>○·</u>	
2	Single Receptacle Cover For single receptacle with face diameters of 1.56 in. to 1.59 in.	Anodized Aluminum	HBLALUF A: 3.00" (76.20) B: 12.00" (304.80)	Single Receptacle Cover For single receptacle with face diameter of 2.13 in. (54.10).	Anodized Aluminum	HBLALUJ A: 3.00" (76.20) B: 12.00" (304.80)
	(39.62 to 40.39).	.0.	HBLALU34FBM (Base Mounted Device)	4//	<u></u>	HBLALU34JBM (Base Mounted Device
	Blank Cover	Anodized	HBLALUBL	Ortronics® Cover Plate	Anodized	HBLALUABRT
	To cover 12 in. (305.00) section of raceway.	Aluminum	A: 3.00" (76.20) B: 12.00" (304.80)	For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included.	Ariodized Aluminum	A: 3.00" (76.20) B: 12.00" (304.80)
	<u> </u>				В	
	Hubbell iSTATION Cover For mounting Hubbell iSTATION Modules. For the HBLALUPB use the KPIMBZGY on page S-45 with modules from page S-46. For the HBLALULPBA use the IMF1GY on	Anodized Aluminum	HBLALULPB A: 3.00" (76.20) B: 12.00" (304.80) C: 1.90 (48.26) D: 4.21 (106.93)			1
	page S-46 or any IFPxxGY plates on page S-45.	B	HBLALULPBA A: 3.00" (76.20) B: 12.00" (304.80) C: 1.90 (48.26) D: 3.00" (76.20)		1	
0 6	se Mounted Device Cover I exposed screw holes. Receptacle unted to the raceway base rather t	is securely	er.			
			4			
			4			

Dimensions in Inches (mm)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.

Products at a Glance



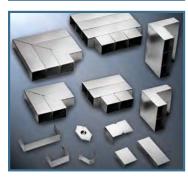
HBLALU5000 and HBLALU7620 Series

- Two and three channel aluminum raceways
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



Covers

- Two and three channel raceway utilize common covers
- Available in single and dual channel cover designs
- Single covers allow access to one service at a time
- Dual channel cover fits over two channels for a seamless look
- Common aesthetics throughout line



Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications
- Available in both two and three channel versions



Compatible Cover Plates

- Cover plates can be used for both HBLALU5000 and HBLALU7620 Raceways
- Cover plates offer option for most common power device applications
- Low profile bezel cover accommodates Hubbell iSTATION Modules
- Open System data option available
- Base mounted cover plates available for added strength





HBLALU5000 Series

	Description	Material	Catalog Number	Description	Material	Catalog Number
000 Series	Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths.	Anodized Aluminum	HBLALU5000B10 A: 1.66" (42.16) B: 5.08" (129.03)	Cover (Single Channel) Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	HBLALUC57 A: 2.54" (64.52)
HBLALU50	Assembled cover and base dimensions. W: 5.08" (129.03) H: 1.75" (44.45)	A I	B B		Ļ.	

	Description	Material	Catalog Number	Description	Material	Catalog Number
Se	Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	HBLALU5017* A: 6.00" (152.40) B: 6.00" (152.40)	Inverted Internal Elbow For connecting a vertical run of HBLALU5000 with a horizontal run with its cover facing up.	Anodized Aluminum	HBLALU5017N* A: 5.91" (150.20) B: 5.98" (151.89)
Elbows and Tees	External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	HBLALU5018* A: 6.00" (152.40) B: 6.00" (152.40)	Tee For branch connections of two runs of HBLALU5000 Raceway.	Anodized Aluminum	HBLALU5015* A: 9.00" (228.60) B: 8.08" (205.30)
	Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	HBLALU5011* A: 9.00" (228.60) B: 9.00" (228.60)			
End Fittings	Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	HBLALU5010B2 A: 5.08" (129.10) B: 1.75" (44.40)	Blank End Fitting For closing end of raceway.	Anodized Aluminum	HBLALU5010B A: 5.08" (129.10) B: 1.75" (44.40)
	Cover Clip To cover seam where lengths of HBLALU5000 Raceway come together.	Stainless Steel	HBLALU5006 A: 1.38" (34.92)	Wire Clip For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway.	Anodized Aluminum	HBLALU57WC A: 1.00" (25.40)
Fittings	Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	HBLALU5717A A: 3.50" (88.90) B: 2.38" (60.30)	Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	HBLALU5709 A: 3.37" (85.50) B: 2.00" (50.83)
	Couplings (Pair) To join lengths of HBLALU5000 or HBLALU7620 base.	Aluminum	HBLALU5701 A: 2.38" (60.30) B: 4.00" (101.80)			

Note: *HBLALU5701 couplings included. See page S-44 for cover plates.





HBLALU7620 Series

	Description	Material	Catalog Number	Description	Material	Catalog Number
HBLALU7620 Series	Three Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 7.62" (193.55) H: 2.25" (57.15)	Anodized Aluminum	HBLALU7620B10 A: 2.16" (54.86) B: 7.62" (193.55)	Cover (Single Channel) Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	HBLALUC57 A: 2.54" (64.52)

	Description	Material	Catalog Number	Description	Material	Catalog Number
S	Internal Elbow For making a 90° internal turn in a raceway run.	Anodized Aluminum	HBLALU7617* A: 6.50" (165.10) B: 6.50" (165.10)	Inverted Internal Elbow For connecting a vertical run of HBLALU7620 with a horizontal run with its cover facing up.	Anodized Aluminum	HBLALU7617N* A: 6.50" (165.10) B: 5.98" (151.89)
Elbow Fittings	External Elbow For making a 90° external turn in a raceway run.	Anodized Aluminum	HBLALU7618* A: 5.50" (139.70) B: 5.50" (139.70)	Tee For branch connections of two runs of HBLALU7620 Raceway.	Anodized Aluminum	HBLALU7615* A: 9.00" (228.60) B: 10.62" (269.80)
	Flat Elbow For making a 90° flat turn in a raceway run.	Anodized Aluminum	HBLALU7611* A: 11.54" (293.10) B: 11.54" (293.10)			
End Fittings	Entrance End Fitting For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs.	Anodized Aluminum	HBLALU7610B2 A: 7.62" (193.50) B: 2.31" (58.70)	Blank End Fitting For closing end of raceway.	Anodized Aluminum	HBLALU7610B A: 7.62" (193.50) B: 2.31" (58.70)
	Cover Clip To cover seam where lengths of HBLALU7620 Raceway come together.	Stainless Steel	HBLALU7606 A: 1.38" (34.92)	Wire Clip For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway.	Anodized Aluminum	HBLALU57WC A: 1.00" (25.40)
Fittings	Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run.	Anodized Aluminum	HBLALU5717A A: 3.50" (88.90) B: 2.38" (60.30)	Grounding Adapter For connection of equipment grounding. #10-32 Locking screws included.	Galvanized Steel	HBLALU5709 A: 3.37" (85.50) B: 2.00" (50.83)
	Couplings (Pair) To join lengths of HBLALU5000 or HBLALU7620 base.	Aluminum	HBLALU5701 A: 2.38" (60.30) B: 4.00" (101.80)			

Note: *HBLALU5701 couplings included. See page S-44 for cover plates.



HBLALU5000 and HBLALU7620 Series

Description	Material	Catalog Number	Description	Material	Catalog Number
Duplex Receptacle Cover For duplex receptacles and duplex communication frames	Anodized Aluminum	HBLALU57DR A: 2.54" (64.50) B: 12.00" (304.80)	Toggle Switch Cover For single pole, two pole, three way or four way switches.	Anodized Aluminum	HBLALU57N A: 2.54" (64.50) B: 12.00" (304.80)
shown on page S-45.	*OO*	HBLALU57DRBM (Base Mounted Device)	<u> </u>	<u>·</u>	HBLALU57NBM (Base Mounted Device)
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page S-45.	Aluminum	HBLALU57G A: 2.54" (64.50) B: 12.00" (304.80) HBLALU57GBM (Base Mounted Device)	Blank Cover To cover 12 in. (305.00) section of raceway.	Anodized Aluminum	HBLALU57BL A: 2.54" (64.50) B: 12.00" (304.80)
	••		^/ <u></u>		
Single Receptacle Cover For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31).	Anodized Aluminum	HBLALU57E A: 2.54" (64.50) B: 12.00" (304.80) HBLALU57EBM	Single Receptacle Cover For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39).	Anodized Aluminum	HBLALU57F A: 2.54" (64.50) B: 12.00" (304.80) HBLALU57FBM
Cove	• • •	(Base Mounted Device)	<u>N/ · o</u>		(Base Mounted Device)
Hubbell iSTATION Cover For mounting Hubbell iSTATION modules. IMF1GY or IFPxxGY frames and plates on pages S-45 and S-46.	Anodized Aluminum	HBLALU57LPB A: 2.54" (64.50) B: 12.00" (304.80) C: 1.90 (48.26) D: 3.00" (76.20)	Ortronics® Cover Plate For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included.	Anodized Aluminum	HBLALU57ABRT A: 2.54" (64.50) B: 12.00" (304.80)
7	<u>D</u>		^/	7	
2-Gang Raised Device Box KP device plates only, found on page S-45.	Gray PVC	HBLALU57KP2G A: 5.08" (129.10) B: 7.64" (193.90)			11
	B				
dase Mounted Device Cover of exposed screw holes. Receptacle to the raceway base rather	is securely	r.	18/	7	
,					
		-			

Dimensions in Inches (mm)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.



Device Brackets, Plates and Frames

ce Ket	Description	Color	HBL4750 Series	HBL6750 Series
1. Choose Devi	Device Mounting Bracket for HBL4750 and HBL6750 Series Metal Raceway.	lvory	HBL4750IV	HBL6750IV
Mounting Bracl		Gray	HBL4750GY	HBL6750GY

	Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Plates	Almond Gray	KP8GY Duplex	KP26GY Style Line®	KP1GY Toggle	KP7GY Receptacle (1.41 ID)
ang "KP" Pl	Almond Gray	KP14GY Blank	KP212GY Coax (2)	KP2140GY Jack/Coax	KP720GY Receptacle (1.60 ID)
Choose 1-Ga	Almond Gray	KPORTGY Ortronics Series II® Data Module	RPPANGY Panduit Mini-Com® Data Module	KP2162GY Modular Jacks (2)	KP2163GY Modular Jacks (3)
2.	Almond Gray	3-Unit iSTATION (Accepts all Hubbell iST			

6	Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number
s & Frames	lvory Gray	ISF2EI ISF2GY Style Line® 2-Port	ISF3EI ISF3GY Style Line® 3-Port	ISF4EI ISF4GY Style Line® 4-Port	ISF6EI ISF6GY Style Line® 6-Port
"IFP" Plates	lvory Gray Office White	FP126GY IFP126OW Style Line®	IFP180W Duplex	BR106E BR106G Duplex 2-Port	Q106E Q106G Duplex 4-Port
Comm.	lvory Gray	IFP12EI IFP12GY Flush 2-Port	IFP13EI IFP13GY Flush 3-Port	IFP14EI IFP14GY Flush 4-Port	IFP16EI IFP16GY Flush 6-Port

Note: For HBL3000 series raceway applications, catalog number HBL3051LEIV/GY must be used with plates and devices. See page S-46 or section Y for additional information on datacom products.

S-45



Frame Modules and Modular Connector Fittings

. Choose Plate	Frame

Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. Use KPIMBZOW/GY plate with modules for HBL4750 and HBL6750 Series device mounting bracket located on page S-45. See section Y for additional Hubbell iSTATION modules and datacom products.

Color HBL4750 Series

Ivory
Gray IMF1EI
IMF1GY

IMF2EI IMF2GY

HBL6750 Series

Note: Each gang accepts 3 module units.

	Color	Catalog Number		Catalog Number		Catalog Number		Catalog Number
	Ivory Gray	IMB05EI IMB05GY Blank Module .5 Unit		IMB1EI IMB1GY Blank Module 1 Unit		IMB15EI IMB15GY Blank Module 1.5 Unit		
e Modules	lvory Gray	IM1K1EI IM1K1GY Modular Flat 1 Unit		IM2K1EI IM2K1GY Modular Flat 1 Unit		IM1KA15EI IM1KA15GY Modular Angled 1.5 Unit	TI	IM2KA15EI IM2KA15GY Modular Angled 1.5 Unit
2. Choose	lvory Gray	IM1SCA15EI IM1SCA15GY SC 1 Duplex Angled, 1.5 Unit	B	IM2SCA2EI IM2SCA2GY SC 2 Duplex Angled, 2 Unit	I	IM1IA15EI IM1IA15GY Modular Recessed 1.5 Unit	T	IM2IA15EI IM2IA15GY Modular Recessed 1.5 Unit
	Keystone Opening Hole size for mount all Hubbell Jacks.	ting 🛕 A: .	580" (14.73) 760" (19.30)		,			

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZAL/GY bezel and appropriate Hubbell iSTATION modules located in the section Y. See section Y for additional modular connectors.

	Color		Catalog Number		Catalog Number		Catalog Number
Fittings	Ivory Gray	-	SFFGEI SFFGGY F-Type Coupler Gold		SFFEX SFFGX F-Type Coupler Nickel	4	SFBE10 SFBG10 Blank (10 Pack)
Connector Fitt	lvory Gray		SFRCRFFEI SFRCRFFGY RCA Gold Pass-through F/F Coupler Red Insulator		SFRCWFFEI SFRCWFFGY RCA Gold Pass-through F/F Coupler White Insulator		SFRCYFFEI SFRCYFFGY RCA Gold Pass-through F/F Coupler Yellow Insulator
Modular Co	Black housing only	0	SFRC110R RCA 110 Punchdown Red Insulator	0	SFRC110W RCA 110 Punchdown White Insulator		SFRC110Y RCA 110 Punchdown Yellow Insulator
2	Black	60	SFSV110BK S-Video 110	6	SFSVBK S-Video F/F Coupler		SFSPGBK* SFSPGR** Speaker Post Connector

Note: *Office white housing with black ring color. **Office white housing with red ring color.

_ S	Color	Catalog Number	Catalog Number	Catalog Number
Xcelerator Modular Jac	Ivory Gray	HXJ5EEI HXJ5EGY Cat. 5e, T568A, T568B, RJ45	HXJ6EI HXJ6GY Cat. 6, T568A, T568B, RJ45	HXJUEI HXJUGY 6 Position USOC, RJ25

Note: See section Y for additional Hubbell Xcelerator modular jacks and colors.



Wire Fill Capacity Chart and Technical Information

			Met	al and	l Alun	ninum	Race	way V	Vire F	ill Cap	acitie	es				
				(THI	Power IN/T90 Ny	/lon)	Vo	ice		(Co	Data pper Cab	les)			(Multimo Optic Cab	
				14 AWG	12 AWG	10 AWG	4-Pair	25-Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
			Wire O.D. (in):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
			Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
	Series		Channel Area (sq. in.)	Wire	Fill Capa	acity	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
	HBL500		0.22	7	5	3	2	0	1	2	1	1	1	2	8	2
	HBL700		0.26	10	7	4	3	0	2	3	2	1	1	3	8	3
	HBL750		0.40	12	9	5	6	1	3	5	3	2	2	6	15	6
	HBL2000		0.89	7	7	0	13	3	8	10	7	4	5	13	33	12
	HBL2000A		0.86	35	26	16	11	2	7	9	7	4	5	13	33	12
	HBL2400		1.39	57	41	26	19	4	12	16	11	5	8	19	51	19
ay	HBL2400D	Channel– A	0.86	26	19	11	12	2	7	9	7	3	5	12	31	11
Metal Raceway	АВ	Channel- B	0.37	11	9	6	5	1	3	4	3	1	2	5	13	5
Ra	HBL3000		3.70	152	111	70	52	11	32	43	30	15	22	52	136	51
<u>a</u>	HBL4750	No Barriers	7.20	296	216	136	102	22	63	83	59	30	44	102	264	100
≧	АВ	Barrier Centered Ch. A	3.10	127	93	58	44	9	27	36	25	13	19	44	114	43
		Barrier Centered Ch. B	3.30	127	93	58	47	10	29	38	27	14	20	47	121	46
	A B	Barrier Offset Ch. A	2.10	86	63	39	30	6	18	24	17	9	13	30	77	29
	HBL6750	Barrier Offset Ch. B No Barriers	4.30	176	129	81	61	13 42	37	50	35	18 57	26	61	158	60
	AAA	Barrier Offset ¹ / ₃ Ch. A	13.77 4.59	566 189	412 138	259 86	195 65	14	120 40	159 53	112 37	19	83 28	195 65	505 168	191 64
	АВ	Barrier Offset ² / ₃ Ch. B	9.18	379	278	173	130	28	80	106	75	38	56	130	337	128
	HBLALU2000		1.20	49	36	22	16	3	10	13	9	4	7	16	44	16
	HBLALU3800		5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
	HBLALU4800	Center Barrier/ Both Channels	11.60	428	312	196	164	35	101	134	95	48	70	164	426	161
Raceway		Center Barrier/ 1 Channel	5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
Ε	HBLALU5000	Center Barrier/ Both Channels	7.60	312	228	142	106	22	64	86	60	30	46	106	278	104
Aluminu		Center Barrier/ 1 Channel	3.80	156	114	71	53	11	32	43	30	15	23	53	139	52
¥	HBLALU7620	2 Barriers with 3 Equal Channels/Total	15.00	618	450	282	210	45	129	171	120	60	90	210	549	207
		2 Barriers with 3 Equal Channels/ 1 Channel	5.00	206	150	94	70	15	43	57	40	20	30	70	183	69

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Physical Properties

Galvanized Steel or Anodized Aluminum Material

Metal PlugTrak Specifications

Receptacle Rating NEMA 5-15R and NEMA 5-20R #12 AWG Stranded Copper Wire

Receptacle Face Thermoplastic

Codes/Standards

TIA/EIA 569B **UL** Standard UL5Listings

E253976 /E253830 /E253833 CSA Standard C22.2 no. 62

Certification LR87514

Cross Reference

Cross Referen			
Hubbell	Wiremold [®]	Hubbell	Wiremold®
Catalog Number	Catalog Number	Catalog Number	Catalog Number
HBL500 Series	500 Series	HBL57482IVA	V5748-2
HBL502B	502 Series	HBL57483IVA	V5748-3
HBL605CUT	605	HBL57484IVA	V5748-4
HBL600B	600B	HBL57485IVA	V5748-5
HBL605K	605K	HBL57486IVA	V5748-6
HBL500TFIV	N/A	HBL5751IVA	V5751
HBL50010IV	V500	HBL57512IVA	V5751-2
HBL504IV	V504	HBL57513IVA	V5751-3
HBL506IV	V506	HBL5751AIVA	V5751A
HBL511IV	V511	HBL5752IVA	V5752
HBL512IV	V512	HBL5753IVA	V5753
HBL517IV	V517	HBL5760IVA	V5760
HBL518IV	V518	HBL5783IVA	V5783
	700 0 :	HBL5784IVA	V5784
HBL750 Series	700 Series	HBL5785IVA	V5785
HBL607CUT	607 702	HBL5786IVA	V5786
HBL7502B	607K	HBL5786AIVA	N/A
HBL607K HBL750TFIV	N/A	HBL5711BRIVA	N/A
	V700	HBL5715BRIVA	N/A
HBL75010IV HBL7504IV	V700 V704	HBL5717BRIVA HBL5718BRIVA	N/A N/A
HBL7506IV	V704 V706	HDL3/ IODKIVA	1 V/ /^\
HBL711IVA	V711		
HBL712IV	V711 V712	HBL2000 Series	2000 Series
HBL717IVA	V717	HBL620C	620
HBL718IVA	V718	HBL2001C	2001
		HBL2003SC	2003
HBL500/HBL750 Seri	ies 500/700 Series	HBL2009GC	2009
HBL5701C	5701	HBL2000WC	2000WC
HBL5709	5709	HBL2000WCA	N/A
HBL5780	5780	HBL2017TC	2017TC
HBL5781	5781	HBL620BCK	620BCK
HBL5782C	5782	HBL2000B5GY	G2000B-5
HBL5791	5791	HBL2000BCGY	G2000BC
HBL5709GC	5709GC	HBL2000BCAGY	N/A
HBL5781A	5781A	HBL2000CGY	G2000C
HBL5782A	5782A	HBL2000CAGY	G2100C
HBL5790B	5790B	HBL2006GY	G2006 G2010A2
HBL5752RA	R5752	HBL2010A2GY HBL2010A3GY	G2010A2 G2010A3
HBL5753RA	R5753 V5700F	HBL2010BGY	G2010B
HBL5700FIVA HBL5703IV	V57001 V5703	HBL2011GY	G2011
HBL5703IV	V5711LH	HBL2011BRGY	N/A
HBL5711RHIVA	V5711RH	HBL2015GY	G2015
HBL5715IVA	V57115	HBL2015BRGY	N/A
HBL5719IVA	V5719	HBL2017BRGY	N/A
HBL57242IVA	V57242	HBL2018BRGY	N/A
HBL5731IV	V5731	HBL2018CGY	G2018C
HBL5733IVA	V5733	HBL2048GY	G2048
HBL5735IVA	V5735	HBL20482GY	G2048-2
HBL5736IV	V5736	HBL2051HGY	G2051H
HBL5737IVA	V5737	HBL2000TFIV	N/A
HBL5737AIVA	V5737A	HBL2000TFGY	N/A
HBL5738IVA	V5738	HBL2000B5IV	V2000B-5
HBL5738AIVA	V5738A	HBL2000BCIV	V2000BC
HBL5738AFIVA	V5738AF	HBL2000BCAIV	N/A V2000C
HBL5739IVA	V5739	HBL2000CIV	V2000C V2100C
HBL5739AIVA	V5739A	HBL2000CAIV HBL2006IV	V2100C V2006
HBL5744IVA	V5744 V5744 2	HBL2006IV HBL2010A2IV	V2006 V2010A2
HBL57442IVA	V5744-2 V5744-3	HBL2010A2IV HBL2010A3IV	V2010A2 V2010A3
HBL57443IVA	V5744S	HBL2010BIV	V2010A3 V2010B
HBL5744SIVA HBL5744S2IVA	V5744S V5744S-2	HBL2011IV	V2010B V2011
HBL5744S3IVA	V5744S-3	HBL2011BRIV	N/A
HBL5745IVA	V5745 V5745	HBL2015IV	V2015
HBL5747IVA	V5747	HBL2015BRIV	N/A
HBL57472IVA	V5747-2	HBL2017BRIV	N/A
HBL57473IVA	V5747-3	HBL2018BRIV	N/A
HBL5748IVA	V5748	HBL2018CIV	V2018C

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Cross Reference

Hubbell Catalog Number	Wiremold [®] Catalog Number	Hubbell Catalog Number	Wiremold [®] Catalog Number
HBL2048IV	V2048	HBL3006EGY	G3006E
HBL20482IV	V2048-2	HBL3007CGY	G3007C
HBL2051HIV	V2051H	HBL3010AEGY	G3010AE
HBL2089IV	V2089	HBL3010BGY	G3010B
HBL2089EIV	V2089E	HBL3010CGY	G3010C
IBL2003LIV	VZOOJE	HBL3011EGY	G3011E
			G3014C
UBI 2400/UBI 2400D	2400/2400D	HBL3014CGY	
HBL2400/HBL2400D		HBL3015EGY	G3015E
Series	Series	HBL3017TCEGY	G3017TCE
HBL624CUT	624	HBL3018AEGY	G3018AE
HBL2401C	2401	HBL3027AEGY	G3027AE
HBL2409GC	2409	HBL3028GY	G3028
HBL2400WC	2400WC	HBL3033JEGY	G3033JE
HBL2401DC	2401D	HBL3036HEGY	G3036HE
HBL624BCK	624BCK	HBL3040CEGY	G3040CE
HBL24DRK	N/A	HBL3043BEGY	G3043BE
HBL24SRK	N/A	HBL30442GY	G3044-2
HBL24106DRK	N/A	HBL3046BEGY	G3046BE
	N/A N/A	HBL3046H2GY	G3046H-2
HBL24106RRK		HBL3048RGY	G3048R
HBL4724REDIV	N/A	HBL3051LEGY	G3051LE
HBL2420REDIV	N/A		
HBL2400TFIV	N/A	HBL3082GY	G3082
HBL2400DTFIV	N/A	HBL3086GY	G3086
HBL2400BIV	V2400B	HBL3200REDIV	N/A
HBL2400B10IV	V2400B-10	HBL3200REDGY	N/A
HBL2400BCIV	V2400BC	HBL3000TFIV	N/A
HBL2400BDIV	V2400BD	HBL3000TFGY	N/A
HBL2400CIV	V2400C	HBL3000BIV	V3000B
HBL2406IV	V2406	HBL3000C075IV	V3000C075
		HBL3000C195IV	V3000C195
HBL2410AIV	V2410A	HBL3000CEIV	V3000CE
HBL2410BIV	V2410B	HBL3003IV	V3003
HBL2410BDIV	V2410BD		
HBL2410CIV	V2410C	HBL3006EIV	V3006E
HBL2410DFOIV	V2410DFO	HBL3010AEIV	V3010AE
HBL2410FCIV	V2410FC	HBL3010BIV	V3010B
HBL2411DFOIV	V2411DFO	HBL3010CIV	V3010C
HBL2415DFOIV	V2411DFO	HBL3011EIV	V3011E
HBL2411IV	V2411FO	HBL3014CIV	V3014C
HBL2415IV	V2415FO	HBL3015EIV	V3015E
HBL2417DFOIV	V2417DFO	HBL3017TCEIV	V3017TCE
HBL2417IV	V2417FO	HBL3018AEIV	V3018AE
HBL2418DFOIV	V2418DFO	HBL3027AEIV	V3027AE
HBL2418IV	V2418FO	HBL3028IV	V3028
		HBL3033JEIV	V3033JE
HBL2426IV	V2426	HBL3036HEIV	V3036HE
HBL2444IVA	V2444		V3040CE
HBL24442IV	V2444-2	HBL3040CEIV	
HBL2444DIVA	V2444D	HBL3043BEIV	V3043BE
HBL2444D2AIV	V2444D-2A	HBL30442IV	V3044-2
HBL2448IVA	V2448	HBL3046BEIV	V3046BE
HBL24482IV	V2448-2	HBL3046H2IV	V3046H-2
HBL2451HIV	V2451H	HBL3048RIV	V3048R
HBL2475DBRIV	V2475D	HBL3051LEIV	V3051LE
HBL2489IV	V2489	HBL3086IV	V3086
	12.00		
HBL3000 Series	3000 Series	HBL4750 Series	4000 Series
HBL630B	630B	HBL4751AC	4001A
HBL630BDK	630BDK	HBL4750IV	V4050
		HBL640C	640C
HBL630C	630C	HBL4750B10GY	G4000B-10
HBL630CDK	630CDK		
HBL3000BGY	G3000B	HBL4750C075GY	G4000C075
HBL3000C075GY	G3000C075	HBL4750C195GY	G4000C195
HBL3000C195GY	G3000C195	HBL640B	640B
HBL3000CEGY	G3000CE	HBL4747RXIV	V4047RX
	G3000WC	HBL4747RFIV	V4047RF
IBI 3000WCGY	~~~~~		
HBL3000WCGY		HRI 4/4/(:1(4Y	G4047G-1
HBL3001GY	G3001	HBL4747C1GY HBI 4747BYGY	G4047C-1 G4047RX
		HBL4747C1GY HBL4747BXGY HBL4747RXGY	G4047C-1 G4047BX G4047RX

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Cross Reference

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Hubbell Catalog Number	Wiremold [®] Catalog Number	Hubbell Catalog Number	Wiremold [®] Catalog Number
HBL4747JXGY	G4047JX	HBL4750C315GY	G4000C315
HBL4747C2GY	G4047C-2	HBL4750DGY	G4000D
HBL4715DFOGY	G4015DFO	HBL4750WCGY	G4000WC
HBL4717NGY	G4017N	HBL4710BGY	G4010B
			G4010DFO
HBL4746H2GY	G4046H-2	HBL4710DFOGY	_
HBL4718DFOGY	G4018FO	HBL4710GY	G4010
HBL47472BBFFGY	G4047-2BBFF	HBL4711DFOGY	G4011FO
HBL47472BBBBGY	G4047-2BBBB	HBL4711GY	G4011
HBL47472BBSSGY	G4047-2BBSS	HBL4712TXGY	G4012TX
HBL47472BBXXGY	G4047-2BBXX	HBL4714AGY	G4014A
HBL47472BBTTGY	G4047-2BBTT	HBL4717DFOGY	G4017FO
HBL4747AXGY	G4047AX	HBL4717GY	G4017
HBL47472RRXXGY	G4047-2RRXX	HBL4717TCAGY	G4017TCA
HBL4747BFGY	G4047BF	HBL4774AIV	V4074A
HBL4747BBGY	G4047BB	HBL4786AIV	V4086A
HBL4747BRGY	N/A	HBL4747CVMIV	V6007C-1
HBL4747BRIV	N/A	HBL4747CVM2IV	V6007C-2
HBL4747BTGY	G4047BT		
HBL4747BSGY	G4047BS		
HBL4774AGY	G4074A	HBL6750 Series	6000 Series
HBL4750GY	G4050	HBL6751A	6001A
HBL47472RRXXIV	V4047-2RRXX	HBL660C	640C
HBL47472BBXXIV	V4047-2BBXX	HBL660CDK	640CDK
HBL4747BBIV	V4047BB	HBL660B	660B
HBL4747AXIV	V4047AX	HBL660BDK	660BDK
HBL4747BFIV	V4047BF	HBL6718DFOGY	G4018FO
HBL4747BTIV	V4047BT	HBL6718GY	G6017TX
HBL4747BSIV	V4047BS	HBL6746HHHGY	G4046H-2 (4000 Series 2-Gang)
HBL4747C1IV	V4047C-1	HBL67473BBBBBBBGY	G4047-2BBBB (4000 Series 2-Gang)
HBL4747BXIV	V4047BX	HBL67473BBBBFFGY	G4047-2BBFF (4000 Series 2-Gang)
HBL4747JXIV	V4047JX	HBL67473BBBBSSGY	G4047-2BBSS (4000 Series 2-Gang)
HBL4747C2IV	V4047C-2	HBL67473BBBBTTGY	G4047-2BBTT (4000 Series 2-Gang)
HBL4750CIV	V4000C	HBL67473BBBBXXGY	G4047-2BBXX (4000 Series 2-Gang)
HBL4750B10IV	V4000B-10	HBL6747AXXGY	G4047AX (4000 Series 2-Gang)
HBL4750C315IV	V4000C315	HBL6747BBBGY	G4047BB (4000 Series 2-Gang)
HBL4750C195IV	V4000C195	HBL6747BBFGY	G4047BF (4000 Series 2-Gang)
HBL4711DFOIV	V4011FO	HBL6747BBSGY	G4047BS (4000 Series 2-Gang)
HBL4711IV	V4011	HBL6747BBTGY	G4047BT (4000 Series 2-Gang)
HBL4710DFOIV	V4010DFO	HBL6747BXXGY	G4047BX (4000 Series 2-Gang)
HBL4710IV	V4010	HBL6747C1GY	V4047C-1 (4000 Series 1-Gang Overlapping)
HBL4710BIV	V4010B	HBL6747C2GY	V4047C-2 (4000 Series 2-Gang Overlapping)
HBL4756AIV	V4006	HBL6747JXXGY	G4047JX (4000 Series 2-Gang)
HBL4714AIV	V4014A	HBL6747RRFGY	G4047RF (4000 Series 2-Gang)
HBL4712TXIV	V4012TX	HBL6747RXXGY	G4047RX (4000 Series 2-Gang)
HBL4750C135IV	V4000C135	HBL67473RRRRXXGY	G4047-2RRXX
	V4000C075	HBL6750GY	G4050
HBL4750C075IV	V4000C073 V4017FO	HBL6750B10GY	G6000B-10
HBL4717DFOIV HBL4717IV	V40171	HBL6750CGY	G6000C
HBL4715DFOIV	V4017 V4015DFO	HBL6750DAGY	G6000DA
HBL4715IV	V4015	HBL6750WCGY	G6000WC
	V4018FO	HBL6751DAGY	G6001DA
HBL4718DFOIV	V4018	HBL6756AGY	G6006
HBL4718IV	V4016 V4017N	HBL6710BGY	G6010B
HBL4717NIV HBL47472BBBBIV	V4017N V4047-2BBBB	HBL6711DFOGY	G6011TX
	V4047-2BBBB V4046H-2	HBL6711GY	G6011TX
HBL4746H2IV		HBL6712TXGY	G6012TX
HBL47472BBTTIV	V4047-2BBTT	HBL6714AGY	G6014A
HBL47472BBSSIV	V4047-2BBSS	HBL6717DFOGY	G6017TX
HBL4747CVMGY	G6007C-1	HBL6717GY	G6017TX
HBL4786AGY	G4086A	HBL6774AGY	G6074A
HBL4750TFIV	N/A	HBL6786GY	G6086
HBL4747CVM2GY	G6007C-2	HBL6750C075IV	N/A
HBL4750BP	N/A	HBL6750C075GY	N/A
HBL4750TFGY	N/A	HBL6750C075G1	N/A
HBL4756AGY	G4006		
HBL4751DA	4001DA	HBL6750C135GY	N/A N/A
HBL640BDK	640BDK	HBL6750C195IV	N/A
HBL640CDK	640CDK	HBL6750C195GY	N/A N/A
HBL4750CGY	G4000C	HBL6750C315IV	N/A N/A
HBL4750C135GY	G4000C135	HBL6750C315GY	N/A
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Cross Reference

2.232			
Hubbell Catalog Number	Wiremold [®] Catalog Number	Hubbell Catalog Number	Wiremold [®] Catalog Number
HBL6715DFOIV	N/A	HBL24GBA612GY	G24GBA612
HBL6715IV	N/A	HBL24GBA618GY	G24GBA618
HBL6715DFOGY	N/A	HBL20GB306IV	V20GB306
HBL6715GY	N/A	HBL20IG306IV	V20IG306
HBL6717NIV	N/A	HBL20GB506IV	V20GB506
HBL6717NGY	N/A	HBL20GB512IV	V20GB512
HBL6717TCAGY	N/A	HBL20GB606IV	V20GB606
HBL6710DFOIV	N/A	HBL20GB609IV	V20GB609
HBL6710DFOGY	N/A	HBL20GB612IV	V20GB612
HBL6750TFIV	N/A	HBL20GB618IV	V20GB618
HBL6750TFGY	N/A	HBL20GBA512IV	V20GBA512
HBL6718DFOIV	V4018FO	HBL20GBA609IV	V20GBA609
HBL6746HHHIV	V4046H-2 (4000 Series 2-Gang)	HBL20GBA612IV	V20GBA612
HBL67473BBBBXXGY	V4047-2BBBB (4000 Series 2-Gang)	HBL20GBA618IV	V20GBA618
HBL67473BBBBFFIV	V4047-2BBFF (4000 Series 2-Gang)	HBL20IG512IV	V20IG512
HBL67473BBBBSSIV	V4047-2BBSS (4000 Series 2-Gang)	HBL20IG606IV	V20IG606
HBL67473BBBBTTIV	V4047-2BBTT (4000 Series 2-Gang)	HBL24GB306IV	V24GB306
HBL67473BBBBXXIV	V4047-2BBXX (4000 Series 2-Gang)	HBL24GB506IV	V24GB506
HBL6747AXXIV	V4047AX (4000 Series 2-Gang)	HBL24GB512IV	V24GB512
HBL6747BBBIV	V4047BB (4000 Series 2-Gang)	HBL24GBA512IV	V24GBA512
HBL6747BBFIV	V4047BF (4000 Series 2-Gang)	HBL24GB606IV	V24GB606
HBL6747BBSIV	V4047BS (4000 Series 2-Gang)	HBL24GB612IV	V24GB612
HBL6747BBTIV	V4047BT (4000 Series 2-Gang)	HBL24GB618IV	V24GB618
HBL6747BXXIV	V4047BX (4000 Series 2-Gang)	HBL24GBA612IV	V24GBA612
HBL6747C1IV	V4047C-1 (4000 Series 1-Gang Overlapping)	HBL24GBA618IV	V24GBA618
HBL6747C2IV	V4047C-2 (4000 Series 2-Gang Overlapping)		
HBL6747JXXIV	V4047JX (4000 Series 2-Gang)		41.40000.0
HBL6747RRFIV	V4047RF (4000 Series 2-Gang)	HBLALU2000 Series	ALA2000 Series
HBL6747RXXIV	V4047RX (4000 Series 2-Gang)	HBLALU2000B10	AL2000B-10
HBL67473RRRRXXIV	V4047-2RRXX	HBLALU2000B5	AL2000B-5
HBL6750IV	V4050	HBLALU2000C5 HBLALU2000WC	AL2000C-5 AL2000WC
HBL6750B10IV	V6000B-10 V6000C	HBLALU2001	AL2000WC AL2001
HBL6750CIV	V6006	HBLALU2003	AL2001 AL2003
HBL6756AIV HBL6710BIV	V6010B	HBLALU2006	AL2006
HBL6711DFOIV	V6011TX	HBLALU2009	AL2009
HBL6711IV	V6011TX	HBLALU2010A	AL2010A
HBL6712TXIV	V6012TX	HBLALU2010B	AL2010B
HBL6714AIV	V6014A	HBLALU2011	AL2011
HBL6774AIV	V6074A	HBLALU2015	AL2015
HBL6786IV	V6086	HBLALU2017	AL2017
		HBLALU2018	AL2018
		HBLALU2038	AL2038
Metal PlugTrak®	Metal Plugmold®	HBLALU2040A	AL2040A
HBL20C215IV	V20-C2	HBLALU2043	AL2043
HBL20C215GY	G20-C2	HBLALU2044	AL2044
HBL20C315IV	N/A	HBLALU20442	AL2044-2
HBL20C315GY	N/A	HBLALU2047	AL2047
HBL20GB306GY	G20GB306	HBLALU20472	AL2047-2 AL2051H
HBL20IG306GY	G20IG306	HBLALU2051H	ALZUSTH
HBL20GB506GY	G20GB506		
HBL20GB512GY	G20GB512	Aluminum PlugTrak®	Aluminum Plugmold®
HBL20GB606GY	G20GB606		AL20GB306
HBL20GB609GY	G20GB609	HBLALU20GB306	
HBL20GB612GY	G20GB612	HBLALU20GB506	AL20GB506
HBL20GB618GY	G20GB618	HBLALU20GB512	AL20GB512 AL20GB606
HBL20GBA512GY	G20GBA512	HBLALU20GB606 HBLALU20GB612	AL20GB606 AL20GB612
HBL20GBA609GY	G20GBA609	HBLALU20GB618	AL20GB612 AL20GB618
HBL20GBA612GY	G20GBA612	HBLALU20GBA606	AL20GBA606
HBL20GBA618GY	G20GBA618	HBLALU20GBA612	AL20GBA612
HBL20IG512GY	G20IG512	HBLALU20GBA618	AL20GBA618
HBL20IG606GY	G20IG606	HBLALU20IG306	AL20IG306
HBL24GB306GY	G24GB306 G24GB506	HBLALU20IG506	AL20IG506
HBL24GB506GY	G24GB506	HBLALU20IG606	AL20IG606
HBL24GB512GY	G24GB512	HBLALU24GB306	N/A
HBL24GBA512GY	G24GBA512 G24GB606	HBLALU24IG306	N/A
HBL24GB606GY HBL24GB612GY	G24GB606 G24GB612	HBLALU24GB506	N/A
HBL24GB618GY	G24GB618	HBLALU24GB512	N/A
vviremoid® is a redistered trai	demark of The Wiremold Company		

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Cross Reference

Cross Referenc	e		
Hubbell Catalog Number	Wiremold [®] Catalog Number	Hubbell Catalog Number	Wiremold [®] Catalog Number
HBLALU24IG506	N/A		
HBLALU24GB606	N/A		
HBLALU24GB612	N/A		
HBLALU24GB618	N/A		
HBLALU24GBA606	N/A		
HBLALU24GBA612	N/A		
HBLALU24GBA618	N/A		
HBLALU24IG606	N/A		
HBLALU3800 Series	ALA3800 Series		
HBLALU3800B10	ALA3800B-10		
HBLALU3806	ALA3806		
HBLALU3810B	ALA3810B		
HBLALU3810B1	ALA3810B1		
HBLALU3811	ALA3811		
HBLALU3815	ALA3815		
HBLALU3817	ALA3817		
HBLALU3817N	ALA3817N		
HBLALU3818	ALA3818		
HBLALUC5	ALAC-5		
HBLALUWC	ALAWC		
HBLALU4800 Series	ALA4800 Series		
HBLALU01	ALA01		
HBLALU09	ALA09		
HBLALU17A	ALA17A		
HBLALU4800B10	ALA4800B-10		
HBLALU4806	ALA4806		
HBLALU4810B	ALA4810B		
HBLALU4810B2	ALA4810B2		
HBLALU4811	ALA4811		
HBLALU4815	ALA4815		
HBLALU4817	ALA4817		
HBLALU4817N	ALA4817N		
HBLALU4818	ALA4818		
HBLALUABRT	ALA-ABRT		
HBLALUBL	ALA-BL		
HBLALUDR	ALA-DR		
HBLALUE	ALA-E		
HBLALUF	ALA-F		
HBLALUG HBLALUJ	ALA-G ALA-J		
HBLALUN	ALA-J ALA-N		
HBLALULPB	N/A		
IIDLALULI D	IWA		
Touch-Up Paint	Touch-Up Paint		
HBLGWEP	GWE-S		

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IWE-S

HBLIWEP

Products at a Glance



Hubbell PolyTrak® Non-Metallic Surface Raceway

- PolyTrak® Non-Metallic Surface Raceway is a complete system with raceway, fittings, boxes and devices
- Sizes range from single channel PremiseTrak® to three channel Super BaseTrak® for all types of surface raceway requirements
- Single and two channel latching raceways are dual-rated for both power and data applications, reducing inventory requirements
- UL Listed and CSA Certified to 600 volts
- Office white color



One Box, Three Systems

- Boxes have three cut-aways that can be utilized with WallTrak[®], LANTrak and PremiseTrak (Latching) systems
- Reduces inventory requirements
- Eliminates need to order three separate boxes
- Boxes available in low, standard and deep profiles.
- Two-gang divided box available for power, data, voice, audio and video applications
- Boxes utilize Hubbell KP plates or Hubbell iSTATION Modules and Bezels



Flush or Full Capacity Boxes

- Super BaseTrak® and BaseTrak® Raceway offer multiple solutions for box installation
- Super BaseTrak[®] in-line three-gang box allows maximum capacity in a flush design
- Super BaseTrak[®] and BaseTrak[®] available in single, two and threegang full capacity boxes
- Two and three channel BaseTrak® (PB2 and PB3) available with one and two-gang in-line boxes
- Full capacity in-line boxes eliminate the need to de-rate the wire fill capacity due to the intrusion of devices into the raceway channel



Non-Metallic PlugTrak®

- Available as hard wired multi-outlet assembly or relocatable power tap
- Hubbell designed and manufactured 15 or 20 Amp receptacles
- UL Listed and CSA Certified
- Office white color

Hard Wired Multi-Outlet PlugTrak®

- Available in 5 ft. (1.5m) or 6 ft. (1.8m) lengths
- Available in single, two circuit and is inherently an isolated ground product
- Multiple spacing configurations
- Hard wired PlugTrak[®] mates with LANTrak[®] fittings and boxes
- Tamper-Resistant versions available

Portable PlugTrak®

- Available in 3 ft. (0.9m) or 5 ft. (1.5m) lengths
- 6 ft. (1.8m) length 15 or 20 Amp molded cord set allows reliable access
- Pre-punched holes make mounting easy



PT1 PremiseTrak® (Non-Latching)

©_	Description	Color	Length	Without Adhesive	With Adhesive
PT1 PremiseTrak	Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	PT1BC5 PT1BC7 A: .68" (17.27) B: .75" (19.05)	PT1ABC5 PT1ABC7 A: .68" (17.27) B: .75" (19.05)

	Description	Color	Catalog Number	Description	Color	Catalog Number
	1-Gang Low Profile Box For shallow switches and receptacles. See page S-63 for recommended plate options.	Office White	PT12LPB A: 4.90" (124.46) B: 3.25" (82.55) C: 1.12" (28.45)	1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options.	Office White	PT12DBA A: 4.90" (124.46) B: 3.25" (82.55) C: 1.91" (48.51)
Device Boxes	1-Gang Standard Box For standard switches and receptacles. See page S-63 for recommended plate options.	A A	PT12SBA A: 4.90" (124.46) B: 3.25" (82.55) C: 1.63" (41.40)	2-Gang Deep Box For deep devices or applications where additional room is beneficial. Uses 2-gang "KP", "IMF", or "IFP" plates for power or data applications. See page S-63 for recommended plate options.	Office White	PT12TGB A: 4.90" (124.46) B: 5.06" (128.52) C: 1.91" (48.51)
	Round Lighting Fixture Box To hang fixtures.	Office White	PT12LFB A: 5.31" (134.87) B: 1.04" (26.52)		C B	
	Internal Elbow, Cover Only For inside surfaces at right angles.	Office White	PT1IE A: 1.34" (34.04) B: 1.34" (34.04) C: 0.89" (22.61)	External Elbow, Cover Only For outside surfaces at right angles.	Office White	PT1EE A: 1.24" (31.50) B: 1.24" (31.50) C: 0.88" (22.35)
s	Flat Elbow, Cover Only For right angle turns on same surface.	Office White	PT1FE A: 1.33" (33.78) B: 1.33" (33.78) C: 0.74" (18.80)	Tee, Cover Only For T-connection off PremiseTrak® Raceway.	Office White	PT1TC A: 1.77" (44.90) B: 1.33" (33.78) C: 0.74" (18.80)
Fittings	Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	PT1SC A: 1.00" (25.40) B: 0.74" (18.80) C: 0.89" (22.61)	End Cap For closing end of raceway.	Office White	PT1EC A: 0.88" (22.35) B: 0.74" (18.80) C: 0.89" (22.61)
	Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	PT12CA A: 1.64" (41.66) B: 1.62" (41.15) C: 2.50" (63.50)			



PP1 PremiseTrak® (Latching)

© W	Description	Color	Length	Without Adhesive	With Adhesive
PP1 PremiseTral	Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	PP1BC5 PP1BC7 A: 0.77" (19.56) B: 0.84" (21.34)	PP1ABC5 PP1ABC7 A: 0.77" (19.56) B: 0.84" (21.34)

	Description	Color	Catalog Number	Description	Color	Catalog Number
	1-Gang Low Profile Box For shallow switches and receptacles. See page S-63 for recommended plate options.	Office White	PDB12LP A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options.	Office White	PDB12D A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
Device Boxes	1-Gang Standard Box For standard switches and receptacles. See page S-63 for recommended plate options.	Office White	PDB12S A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)	Round Lighting Fixture Box To hang fixtures.	Office White	PDB12LF A: 5.31" (134.87) B: 1.29" (32.77)
	2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page S-63 for single gang "KP" plate options. Comes with removable divider.	Office White 3	PDB12TGD A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)	2-Gang Deep Undivided Box For low voltage applications only. Us with 2-gang "IFP" or "IMF" plates on See page S-63 for details.	Office White by.	PDB12TGLV A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
	Internal Elbow Full capacity 11/4 in. bend radius internal elbow.	Office White	PP1IE* PP1IEBC** A: 2.40" (60.96) B: 1.03" (26.16) C: 2.40" (60.96)	External Elbow Full capacity 11/4 in. bend radius external elbow.	Office White	PP1EE* PP1EEBC** A: 4.47" (113.54) B: 1.03" (26.16) C: 4.47" (113.54)
<u>s</u>	Flat Elbow Full capacity 11/4 in. bend radius flat elbow.	Office White	PP1FE* PP1FEBC** A: 2.62" (66.55) B: 2.62" (66.55) C: 0.85" (21.59)	Tee Full capacity 11/4 in. bend radius tee.	Office White	PP1TC* PP1TCBC** A: 4.22" (107.19) B: 2.62" (66.55) C: 0.85" (21.59)
Fittings	Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	PP1SC A: 1.09" (27.69) B: 1.02" (25.91) C: 0.85" (21.59)	End Cap For closing end of raceway.	Office White	PP1EC A: 1.00" (25.40) B: 0.84" (21.34) C: 0.77" (19.56)
	Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	PLP1CACF A: 2.29" (58.17) B: 3.31" (84.07) C: 3.90" (99.06)	Safety Strap For preventing potential tampering with PP1 PremiseTrak cover. Can also be used as a splice cover.	Office White	PP1SS A: 0.62" (15.75) B: 1.94" (49.28) C: 0.86" (21.84)
		B			ATE B	

Note: *Cover only. **Base and Cover.



PL1 LANTrak® (Latching)

	Description	Color	Length	Without Adhesive	With Adhesive
PL1 LANTrak®	Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	PL1BC5 PL1BC7 A: 1.04" (26.42) B: 1.38" (35.05)	PL1ABC5 PL1ABC7 A: 1.04" (26.42) B: 1.38" (35.05)

	Description	Color	Catalog Number	Description	Color	Catalog Number
	1-Gang Low Profile Box For shallow switches and receptacles. See page S-63 for recommended plate options.	Office White	PDB12LP A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options.	Office White	PDB12D A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
Device Boxes	1-Gang Standard Box For standard switches and receptacles See page S-63 for recommended plate options.	Office White	PDB12S A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)	Round Lighting Fixture Box To hang fixtures.	Office White	PDB12LF A: 5.31" (134.87) B: 1.29" (32.77)
	2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page S-6 for single gang "KP" plate options. Comes with removable divider.	Office White 3	PDB12TGD A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)	2-Gang Deep Undivided Box For low voltage applications only. Us with 2-gang "IFP" or "IMF" plates on See page S-63 for details.	Office White	PDB12TGLV A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
	Internal Elbow Full capacity 11/4 in. bend radius internal elbow.	Office White	PL1IE* PL1IEBC** A: 2.51" (63.75) B: 1.57" (39.88) C: 2.51" (63.75)	External Elbow Full capacity 11/4 in. bend radius external elbow.	Office White	PL1EE* PL1EEBC** A: 5.06" (128.52) B: 1.57" (39.88) C: 5.06" (128.52)
sbı	Flat Elbow Full capacity 11/4 in. bend radius flat elbow.	Office White	PL1FE* PL1FEBC** A: 3.19" (81.03) B: 3.19" (81.03) C: 1.11" (28.19)	Tee Full capacity 11/4 in. bend radius tee.	Office White	PL1TC* PL1TCBC** A: 4.75" (120.65) B: 3.15" (80.01) C: 1.11" (28.19)
Fittings	Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	PL1SC A: 1.12" (28.45) B: 1.55" (39.37) C: 1.11" (28.19)	End Cap For closing end of raceway.	Office White	PL1EC A: 1.00" (25.40) B: 1.39" (35.31) C: 1.04" (26.42)
	Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	PLP1CACF A: 2.29" (58.17) B: 3.31" (84.07) C: 3.90" (99.06)	Safety Strap For preventing potential tampering with PL1 LANTrak cover. Can also be used as a splice cover.	Office White	PL1SS A: 0.62" (15.75) B: 2.68" (68.07) C: 1.12" (28.45)
			à	E A	ATE B	

Note: *Cover only. **Base and Cover.

Dimensions in Inches (mm)



PW1 WallTrak® Low Profile (Latching)

	Description	Color	Length	Without Adhesive	With Adhesive
PW1 WallTrak®	Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	PW1BC5 PW1BC7 A: .50" (12.70) B: 1.19" (30.23)	PW1ABC5 PW1ABC7 A: .50" (12.70) B: 1.19" (30.23)

	I			T		
	Description	Color	Catalog Number	Description	Color	Catalog Number
	1-Gang Low Profile Box For shallow switches and receptacles. See page S-63 for recommended plate options.	Office White	PW1LPB A: 4.90" (124.46) B: 3.25" (82.55) C: 1.13" (28.70)	1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options.	Office White	PW1DBA A: 4.90" (124.46) B: 3.25" (82.55) C: 1.91" (48.51)
es	The state of the s	A B			A	
Device Boxes	1-Gang Standard Box For standard switches and receptacles. See page S-63 for recommended plate options.	Office White	PW1SBA A: 4.90" (124.46) B: 3.25" (82.55) C: 1.63" (41.40)	2-Gang Deep Box For deep devices or applications where additional room is beneficial. Uses 2-gang "KP" or "IFP" plates for power or data applications. See page S-63 for recommended plate options.	Office White	PW1TGB A: 4.90" (124.46) B: 5.06" (128.52) C: 1.91" (48.51)
	Round Lighting Fixture Box To hang fixtures.	Office White	PW1LFB A: 5.31" (134.87) B: 1.04" (26.52)		A A	
	Internal Elbow, Cover Only For inside surfaces at right angles.	Office White	PW1IE A: 1.75" (44.45) B: 1.43" (36.32) C: 1.75" (44.45)	External Elbow, Cover Only For outside surfaces at right angles.	Office White	PW1EE A: 1.50" (38.10) B: 1.43" (36.32) C: 1.50" (38.10)
Sf	Flat Elbow, Cover Only For right angle turns on same surface.	Office White	PW1FE A: 2.18" (55.37) B: 2.18" (55.37) C: .60" (15.24)	Tee, Cover Only For T-connection off PremiseTrak® Raceway.	Office White	PW1TC A: 2.93" (74.42) B: 2.18" (55.37) C: .60" (15.24)
Fittings	Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	PW1SC A: 1.00" (25.40) B: 1.43" (36.32) C: .60" (15.24)	End Cap For closing end of raceway.	Office White	PW1EC A: 1.00" (25.40) B: 1.24" (31.50) C: .50" (12.70)
	Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	Office White	PW1CA A: 1.40" (35.56) B: 2.34" (59.44) C: 3.22" (81.79)			



PW2 WallTrak® (Latching)

©_	Description	Color	Length	Without Adhesive	With Adhesive
PW2 WallTral	Base and Cover Two channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.	Office White	5 ft. 7 ft.	PW2BC5 PW2BC7 A: 1.04" (26.42) B: 2.12" (53.85)	PW2ABC5 PW2ABC7 A: 1.04" (26.42) B: 2.12" (53.85)

	Description Color	Catalog Number	Description	Color	Catalog Number
	1-Gang Low Profile Box For shallow switches and receptacles. See page S-63 for recommended plate options. Office White	PDB12LP A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	Round Lighting Fixture Box To hang fixtures.	Office White	PDB12LF A: 5.31" (134.87) B: 1.29" (32.77)
Boxes	1-Gang Standard Box Office For standard switches and receptacles. White See page S-63 for recommended plate options. If using dual services, the PDB1DIV must be ordered.	PDB12S A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)	2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page S-63 for details.	Office White	PDB12TGLV A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
Device	1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options. If using dual services, the PDB1DIV must be ordered.	PDB12D A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)	2-Gang Deep Divided Box For deep devices or applications where additional room is beneficial. See page S-63 for single gang "KP" plate options. Comes with removable divider. If using dual services, in a perpendicular run the PDB2DIV must be ordered.	Office White	PDB12TGD A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
	1-Gang Divider For use with PDB12S and PDB12D 1-gang boxes. Required when two services are passing through box. Office White	PDB1DIV A: 2.79" (70.86) B: 1.40" (35.56) C: 0.94" (23.88)	2-Gang Divider For use with PDB12TGD 2-gang box only. Required when two services are passing through box and mounting devices perpendicular to raceway.	Office White	PDB2DIV A: 4.62" (117.35) B: 2.76" (70.10) C: 0.94" (23.88)
	Internal Elbow Full capacity 11/4 in. bend radius internal elbow. Office White	PW2IE* PW2IEBC** A: 2.83" (71.88) B: 2.32" (58.93) C: 2.83" (71.88)	External Elbow Full capacity 1¼ in. bend radius external elbow.	Office White	PW2EE* PW2EEBC** A: 5.00" (127.00) B: 2.32" (58.93) C: 5.00" (127.00)
	Flat Elbow Full capacity 11/4 in. bend radius flat elbow. Office White	PW2FE* PW2FEBC** A: 3.94" (100.08) B: 3.94" (100.08) C: 1.11" (28.19)	Tee Full capacity 1¼ in. bend radius tee.	Office White	PW2TC* PW2TCBC** A: 5.42" (137.67) B: 3.91" (99.31) C: 1.90" (48.26)
Fittings	Splice Cover For covering potential openings where two lengths of raceway come together. Office White	PW2SC A: 1.11" (28.19) B: 2.30" (58.42) C: 1.11" (28.19)	Safety Strap For preventing potential tampering with PW2 WallTrak Cover. Can also be used as a splice cover.	Office White	PW2SS A: 0.62" (15.75) B: 3.43" (87.12) C: 1.12" (28.45)
	Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.	PW2CACF A: 4.18" (106.17) B: 3.32" (84.33) C: 4.20" (106.68)	Reducer Reduces from PW2 WallTrak Raceway to one or two PP1 PremiseTrak Raceway(s).	Office White	PW2RED A: 1.62" (41.15) B: 2.40" (60.96) C: 1.15" (29.21)
	End Cap For closing end of PW2 WallTrak Raceway. Office White	PW2EC A: 1.00" (25.40) B: 2.14" (54.36) C: 1.04" (26.42)			

Note: *Cover only. **Base and Cover.





PB2 BaseTrak®

Г		Description	Color	Length	Catalog Number	Description	Color	Length	Catalog Number
	ık®	Base Two channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.	Office White	5 ft. 10 ft.	PB2B5 PB2B10 A: 1.42" (36.07) B: 4.50" (114.30)	Cover Cover allows access to multiple channels. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.	Office White	5 ft. 10 ft.	PB2C5 PB2C10 B: 4.50" (114.30)
	PB2 BaseTrak®	Assembled cover and base dimensions. W: 4.50" (114.30) H: 1.63" (41.40)				Split Cover Cover allows separation of channels and access to a single channel. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Two split covers are required for each raceway section.	Office White	5 ft. 10 ft.	PB2SPL5 PB2SPL10 B: 2.22" (56.39)

S	Description
Device Boxes	2-Gang In- For switches Provides flus single gang

s, receptacles and communication devices. sh look. See page S-63 for recommended "KP" plate options.





Catalog Number Color PB2IND2G Office A: 7.66" (194.56) B: 4.74" (120.40) White C: 1.84" (46.74)

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	Description	Color	Catalog Number	Description	Color	Catalog Number
	Internal Elbow, Base and Cover Full capacity 1¼ in. bend radius internal elbow.	Office White	PB3IEBCA A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	External Elbow, Base and Cover Full capacity 11/4 in. bend radius external elbow.	Office White	PB3EEBCA A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)
	Flat Elbow, Base and Cover Full capacity 11/4 in. bend radius flat elbow.	Office White	PB3FEBCA A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	Tee, Base and Cover Full capacity 11/4 in. bend radius tee.	Office White	PB3TCBCA A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)
Fittings	Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	PB3SC A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)	Safety Strap For preventing potential tampering with PB2 BaseTrak cover. Can also be used as a splice cover.	Office White	PB3SS A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)
Ē	Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.	Office White	PB2CACF A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)	Reducer Reduces from PB2 BaseTrak Raceway to PW2 WallTrak Raceway.	Office y White	PB3REDA A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)
	Transition Fitting Transitions horizontal PB2 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak.	Office White	PB3TRBC A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)	Surface Panel Connector For connecting PB2 Raceway with surface type panel boxes.	Office White	PB3SPCA A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)
	Wire Clip For holding conductors in place.	Office White	PB2WC A: 1.29" (50.20) B: 1.00" (25.40)	End Cap For closing end of PB2 BaseTrak Raceway.	Office White	PB3ECA A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)



PB3 BaseTrak®

® ¥	Description	Color	Length	Catalog Number
PB3 BaseTral	Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.	Office White	5 ft. 10 ft.	PB3BC5 PB3BC10 A: 1.63" (41.40) B: 4.50" (114.30)

Ä					
	Description	Color	Catalog Number	Catalog Number	Catalog Number
Device Boxes	Full Capacity Boxes 1-, 2- and 3-Gang boxes that allows full capacity from PB3 Raceway to box for either power or datacom applications. See page S-63 for recommended single gang "KP" plate options.	Office White	PB3FCIB (1-Gang) A: 4.38" (111.25) B: 4.80" (121.92) C: 3.17" (80.52)	PB3FCIB2G (2-Gang) A: 7.20" (182.88) B: 4.80" (121.92) C: 3.17" (80.52)	PB3FCIB3G (3-Gang) A: 9.96" (252.98) B: 4.80" (121.92) C: 3.17" (80.52)
Devic	1-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page S-63 for recommended plate options.	Office White	PB3IND A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	2-Gang In-Line Box For switches, receptacles and communication devices. Barriers allow separation of power and datacom. Removal of barriers allows for expanded capacity. See page S-63 for recommended single gang "KP" plate options.	PB3IND2G A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
	Internal Elbow Full capacity 11/4 in. bend radius internal elbow.	Office White	PB3IE* PB3IEBCA** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	External Elbow Full capacity 1¼ in. bend radius external elbow. Office White	PB3EE* PB3EEBCA** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)
	Flat Elbow Full capacity 1¼ in. bend radius flat elbow.	Office White	PB3FE* PB3FEBCA** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	Tee Office Full capacity 11/4 in. White bend radius tee.	PB3TCBCA** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)
	Splice Cover For covering potential openings where two lengths of raceway come together.	Office White	PB3SC* A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)	Safety Strap Prevents potential tampering with PB3 BaseTrak cover. Can also be used as a splice cover.	PB3SS* A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)
Fittings	Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.	Office White	PB3CACF** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)	Reducer Reduces from PB3 BaseTrak Raceway to PW2 WallTrak Raceway.	PB3REDA** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)
	Transition Fitting Transitions horizontal PB3 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak.	Office White	PB3TRBC** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)	Transition Fitting Transitions from BT3 (old style) BaseTrak Raceway to PB3 (new style) BaseTrak Raceway.	BTPB3TF* A: 2.22" (56.39) B: 5.66" (143.76) C: 1.35" (34.29)
	Surface Panel Connector For connecting PB3 Raceway with surface type panel boxes.	Office White	PB3SPCA* A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)	For closing end of PB3 BaseTrak Raceway. Office White	PB3ECA* A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)
	Wire Clip For holding conductors in place.	Office White	PB3WC A: 1.34" (34.10) B: 1.00" (25.40)		

Note: *Cover only. **Base and Cover.

Dimensions in Inches (mm)





PS3 Super BaseTrak®

®_	Description	Color	Length	Catalog Number
PS3 BaseTral	Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.	Office White	5 ft. 10 ft.	PS3BC5 PS3BC10 A: 1.97" (50.04) B: 6.70" (170.18)

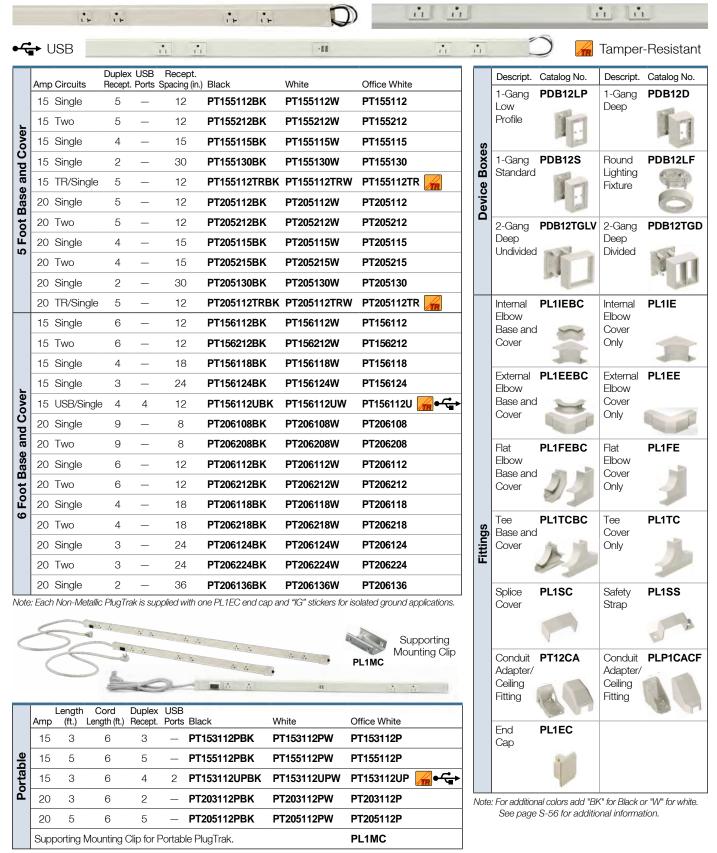
Ď	Ž				B		
	Descrip	otion	Color	Catalog Number	Catalog Number		Catalog Number
Dovice Boxes	1-, 2- allows Racev	apacity Boxes and 3-Gang boxes that full capacity from PS3 vay to box for either or datacom applications. age S-63 for recommended gang "KP" plate options.	Office White	PS3FCIB (1-Gang) A: 4.38" (111.25) B: 6.95" (176.53) C: 3.46" (87.88)	PS3FCIB2G (2-Gang) A: 7.20" (182.88) B: 6.95" (176.53) C: 3.46" (87.88)		PS3FCIB3G (3-Gang) A: 9.96" (252.98) B: 6.95" (176.53) C: 3.46" (87.88)
C	For an Provid	ng In-Line Box y combination of power and datacom es flush look. See page S-63 for recor gang "KP" plate options.		ns.		Office White	PS3IND A: 7.00" (177.80) B: 6.95" (176.53) C: 2.28" (57.91)
	Full ca	nal Elbow pacity 11/4 in. bend radius al elbow.	Office White	PS3IE* PS3IEBC** A: 4.36" (110.74) B: 6.93" (176.02) C: 4.36" (110.74)	External Elbow Full capacity 11/4 in. bend radius external elbow.	Office White	PS3EE* PS3EBC** A: 6.81" (172.97) B: 6.93" (176.02) C: 6.81" (172.97)
		Elbow pacity 1¼ in. bend flat elbow.	Office White	PS3FE* PS3FEBC** A: 9.85" (250.19) B: 9.85" (250.19) C: 2.08" (52.83)	Tee Full capacity 11/4 in. bend radius tee.	Office White	PS3TCBC** A: 10.00" (254.00) B: 9.68" (245.87) C: 3.30" (83.82)
Ei#inge	For co where come	e Cover vering potential openings two lengths of raceway together.	Office White	PS3SC* A: 1.56" (39.62) B: 6.95" (176.53) C: 2.03" (51.62)	Safety Strap Prevents potential tampering with PS3 Super BaseTrak cover. Can also be used as a splice cover.	Office White	PS3S\$* A: 1.50" (38.10) B: 8.24" (209.30) C: 2.08" (52.85)
	For co Also u ½ in.,	uit Adapter/Ceiling Fitting nnecting conduit to raceway. se for ceiling feeds. Has combination 1/4 in., 1 in., 11/4 in. 1/2 in. trade size KOs.	Office White	PS3CACF** A; 6.93" (176.02) B: 4.32" (109.73) C: 6.29" (159.77)	Reducer Reduces from PS3 Super BaseTrak Raceway to PB3 BaseTrak Racewa		PS3RED** A: 4.81" (122.17) B: 6.93" (176.02) C: 2.05" (52.07)
	To cor	ce Panel Connector nnect PS3 Raceway with e type panel boxes.	Office White	PS3SPC* A: 1.00" (25.40) B: 7.87" (199.90) C: 2.54" (64.52)	End Cap For closing end of PS3 Super BaseTrak Raceway.	Office White	PS3EC* A: 1.50" (38.10) B: 6.88" (174.75) C: 2.06" (52.32)
	Wire For ho	lding conductors	Office White	PS3WC A: 1.62" (41.15) B: 1.00" (25.40)		r	

Note: *Cover only. **Base and Cover.



Non-Metallic PlugTrak®

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.



Note: Includes ON/OFF switch and circuit breaker.



Plates, Frames and Modular Connector Fittings

	Color	Catalog Number	Catalog	y Number	Catalog Number		Catalog Number		Catalog Number	
" Plates	Black KP8BK White KP8W Off. White KP8 Duplex		KP26E KP26V KP26 Style L	N	KP1W KP1	6	KP7BK KP7W KP7 Recept. (1.41 ID)	KP720BK KP720W KP720 Recept. (1.60 ID)		
Gang "KP"	Black White Off. White KP14W KP14 KP14 Blank		KP212 KP212	KP212BK KP212W KP212 Coax (2) KP2140 KP2140 KP2140 Jack/Coax		KP2162BK KP2162W KP2162 Modular Jacks (2)		1 10	KP2163BK KP2163W KP2163 Modular Jacks (3)	
Gang and 2-0	Black White Off. White	KPORTBK KPORTW KPORTOW Ortronics Series II® Data Module		KPPANBK KPPANW KPPANOW Panduit Mini- Data Module	Com [®]	KPIMBZBK KPIMBZW KPIMBZOW 3-Unit iSTATION (Accepts all Hubbell iSTATION Modules located in Network Wiring section Y)				
1-G	Black White Off. White	KP82BK KP82W KP82 2-Gang Duplex		KP262BK KP262W KP262 2-Gang Style	Line [®]	KI	P2BK P2W P2 Gang Toggle		KP24BK KP24W KP24 2-Gang Blank	

Note: 2-Gang "KP" plates, for use with PT12TGB and PW1TGB only.

S			Catalog Number	Catalog Number	Catalog Number	Catalog Number	
"IFP" Plates & Fram	Office White	IFP1260W Style Line®	ISF20W Style Line® 2-Port	ISF30W Style Line® 3-Port	ISF40W Style Line® 4-Port	ISF60W Style Line® 6-Port	
	Office White	IFP180W Duplex	BR106C Duplex 2-Port	Q1060 Duplex 4-Port	IFP12OW Flush 2-Port	IFP130W Flush 3-Port	
Comm.	Office White	Flush 4-Port	IFP160W Flush 6-Port	IFP260W 2-Gang 6-Port	IFP290W 2-Gang 9-Port	IFP2120W 2-Gang 12-Port	

≪് ഗ	Description	Color	1-Gang	2-Gang
nes	Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. See section Y for additional information on Hubbell iSTATION modules. Each gang accepts 3 module units.	Office White	IMF10W	IMF2OW

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZOW bezel and appropriate Hubbell iSTATION modules located in section Y. See section Y for additional information on modular connectors.

ector	Color		Catalog Number		Catalog Number		Catalog Number
Conn	Office White	- A	SFFX F-Connector		SFSTSOW ST Fiber Connector	6	SFB10 Blank (10 Pack)
Modular	Black housing only	PERSONAL PROPERTY AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS	SFRC110R RCA 110 Punchdown	6	SFSV110BK Super S-Video		FASTSCDSC6 SC to ST Duplex Adapter

- X	Color	Catalog Number		Catalog Number	Catalog Number
Xcelerato Modular Jac	Office White	HXJ5EOW Cat. 5e, T568A, T568B, RJ45	The same	HXJ60W Cat. 6, T568A, T568B, RJ45	HXJUOW 6 Position USOC, RJ25

Note: See section Y for additional Hubbell Xcelerator modular jacks and colors.

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Wire Fill Capacity Chart and Technical Information

				Non-	Meta	llic Ra	acewa	ay Wir	e Fill	Capa	cities				
			(ТНН	Power IN/T90 N	ylon)	Vo	ice		(Co	Data pper Cab	les)		(Multimod	Data le Fiber Optio	: Cables)
			14 AWG	12 AWG	10 AWG	4-Pair	25-Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
		Wire O.D. (in.):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
Series	Channel	Channel Area (sq. in.)	Wire	Wire Fill Capacity		40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
PT1	Α	0.29	5	8	5	4	1	3	3	2	1	2	4	11	4
PP1	Α	0.38	12	11	8	5	1	3	4	3	2	2	5	14	5
PL1	Α	1.03	42	34	22	15	3	9	12	8	4	6	15	38	14
PW1	Α	0.30	6	10	4	4	0	2	3	2	1	2	4	11	4
PW2	A+B	1.60	41	36	22	23	5	14	18	13	7	10	23	59	22
AB	Α	0.81	12	22	12	11	2	7	9	7	3	5	11	30	11
,, <u>,</u>	В	0.79	12	22	10	11	2	7	9	6	3	5	11	29	11
PB2	A+B	5.72	60	36	45	81	17	50	66	47	24	35	81	210	79
A B	A or B	2.86	42	30	28	40	9	25	33	23	12	17	40	105	40
PB3	A+B+C	5.57	60	36	45	79	17	48	64	45	23	34	79	204	77
ABC	A or C	1.80	42	30	28	25	5	16	21	15	7	11	25	66	25
[A D O	В	1.97	42	30	28	28	6	17	23	16	8	12	28	72	27
PS3	A+B+C	10.58	72	66	78	150	32	92	122	86	44	64	150	388	147
ABC	A or C	3.41	42	36	42	48	10	30	39	28	14	21	48	125	47
[A D O	В	3.76	42	36	42	53	11	33	43	31	16	23	53	138	52

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

	R	econ	nmen	ded P	late to	в Вох	Com	patibi	ility S	electi	on Ch	art				
Non-Metallio Box Se	PS3 Series				PB3 Series					PB2 Series	PDB12 Series			PT12 & PW1 Series		
Plate Style	Sample Catalog Number	IND	FCIB	FCIB2G	FCIB3G	IND	IND2G	FCIB	FCIB2G	FCIB3G	IND2G	LP, S, D	TGD	TGLV	LP(B), S(BA), D(BA)	TGB
1-Gang KP Series Plate	KP8	х	х	х	х	Х	х	х	х	Х	Х	Х	Х		Х	
1-Gang KP Series Bezel	KPIMBZ	Х	х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	
1-Gang Standard Data Plate	IFP12OW		х	х	х	Х		х	х	х		Х			Х	
1-Gang iSTATION Plate Frame	IMF10W		х	х	х	Х		х	х	Х		Х			Х	
Style Line® Data Plate	IFP126OW		х	х	Х	Х		Х	Х	Х		Х			Х	
Duplex Data Plate	IFP18OW		Х	Х	Х	Х		Х	Х	Х		Х			Х	
2-Gang iSTATION Plate Frame	IMF2OW													х		х
2-Gang Standard Data Plate	IFP29OW													X		х
2-Gang KP Series Plate	KP82															х

Note: Hubbell Office White plates and devices color match all non-metallic raceway systems.

Physical Properties

(When tested in accordance with UL 5A) Impact Resistance 5 ft. lbs. Crush Resistance 300 lbs.

-25.6° to 158° F Temperature Range Flame Rating UL94V-0 Material

UV Stabilized PVC

Codes/Standards

EIA/TIA 569A **UL** Standard UL 5A E118895 / E119190 Listings CSA Standard C22.2 no. 62 Certified LR87514

PlugTrak Specifications

Receptacle Rating Receptacle Face

NEMA 5-15R & 5-20R #12 AWG Stranded Copper Thermoplastic

Non-Metallic Raceway

Pre-Wired Raceway Systems

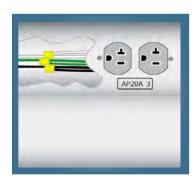
Hubbell has been setting the standard in the electrical industry since 1888, through innovations such as Twist-Lock[®], Hospital Grade, and AUTOGUARD™ Self Test GFCI receptacles. Again, Hubbell has listened to our customers for new innovation, capacity requirements, and flexibility. We have taken raceway systems to the next level with *Pre-Wired Raceway Systems* that are manufactured to your specifications.

Our Pre-Wired Raceway Systems will accommodate your power and data requirements as your facility changes over time. Pre-Wired Raceways provide you with the benefit of keeping your fast track projects on schedule, and helping complete the job on time! Our Pre-Wired Raceway solutions will save up to 45% of the installation time needed for field installing component raceway parts.

Pre-Wired Raceways are available in:

- ✓ Steel (Ivory and Gray)
- ✓ Aluminum (Satin Anodized)
- ✓ Non-Metallic (Office White)





Quality by Design

All Hubbell Pre-Wired Raceways are UL Listed and CSA Certified. Each raceway receives a 100% quality inspection and testing prior to shipment. Pre-Wired Raceway is now available with the high quality and workmanship you have come to expect from Hubbell.



Labeling and Engraving

Optional labeling is available to identify branch panels and circuits at receptacle locations. Choose from adhesive labels or engraved aluminum plates.



Wire Identification

Wire leads are clearly labeled with corresponding circuit numbers. This aids the installer when terminating to building wiring or connecting from duct to duct. Ample wire is provided at feed locations.

Metal, Aluminum and Non-Metallic Raceway



Pre-Wired Raceway Systems

Save Time and Money, Completing the Job Quicker and On Schedule, with Hubbell...

With Standard Raceway...



Unpack, identify and sort component parts.

Deliver components to work area for assembly and installation.



Measure and cut.
Clean and de-burr sharp edges.
Secure to the wall and fasten.



Pull wire. Label and bundle each raceway circuit. Install receptacles and test.

With Hubbell Pre-Wired Raceway ...



Pallet delivered to your worksite, labeled by room, floor area and/or building.



Unpack and install!



Installed in half the time!





Project Support and Documentation

- A local and factory support team is there to assist in defining bills of material and project quotes, so costs can be budgeted accordingly.
- ✓ A project engineer, located at the factory, is assigned to your project as a direct point of contact.

Manufacturing and Testing

- Precisely measured, cleanly cut, wired and assembled to your specifications.
- The wiring harness is then bundled and labeled for circuit identification for ease of installation.
- Assembly is tested for assured continuity and 100% quality inspected before kitting.



Installs In A Snap

- Raceway ducts are kitted, labeled, and shipped by room, area or floor locations.
- Just remove raceway from the packaging and secure to the wall.
- Make power connections, snap on covers, test and you are done!



Options:



Circuit Identification and Labeling:

- ✓ Adhesive Labeling
- Engraving



Wiring Circuits Options:

- ✓ Insulation Displacement Connectors
- ✓ Wire Nuts
- ✓ Wiring Devices



Kit raceway for delivery by:

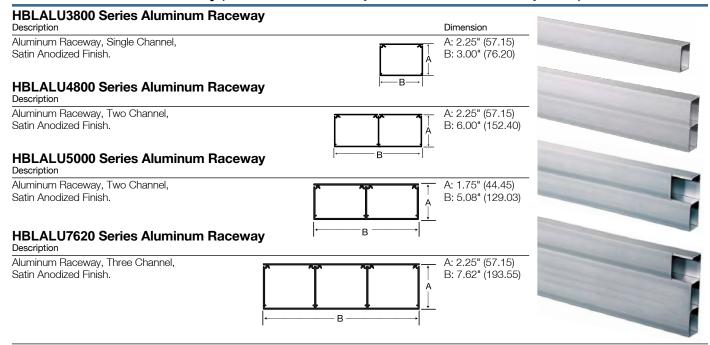
- ✓ Room
- Floor
- ✓ Area
- ✓ Building

Metal, Aluminum and Non-Metallic Raceway

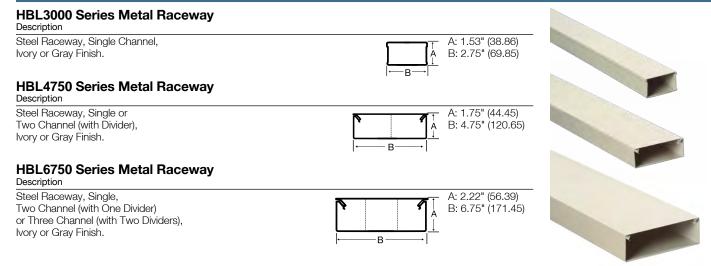


Features and Benefits

Aluminum Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)



Steel Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)

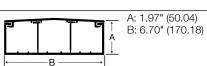


Non-Metallic Pre-Wired Raceway



Description

Non-Metallic Raceway, Three Channel, Office White Color.





Metal, Aluminum and Non-Metallic Raceway



Features and Benefits



UL Listed Modular Pre-Wired Raceway Systems Featuring the Flexibility of LINKOSITY® Connections

Hubbell Pre-Wired Metal Raceway with LINKOSITY® connections is a Hubbell innovation providing a flexible, modular UL Listed System that allows users to relocate furniture and equipment without the need to access the internal wiring of the raceway. The inherent flexibility of this system greatly reduces the cost of installation and future end-user costs associated with re-configuring space.

The Hubbell Metal Raceway/LINKOSITY combination can be provided as a factory assembled system or by having a licensed electrician purchase and field install the required LINKOSITY components into the metal raceway.

Features	Benefits
UL Listed, NEC Compliant assemblies	Complete code compliance minimizes design time, startup costs and building inspector acceptance.
Flexible, modular terminations	Simplifies moves, adds and changes. Reduces long term total cost of ownership.
Pre-configured, factory wired	Minimizes field wiring. Devices are custom configured to the application, tested and ready to install.
Cable rated TC-ER, MTW, STOOW	One cable suitable for use in all commercial applications
In-line 106 data/communications frame	Data/Communications may be field installed anywhere along the raceway eliminating large boxes.



Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
PH = Double Ended Cable with Male/Female Straight PM = Male Single Ended Straight PN = Male Single Ended 90°	20 = 20A up to 600V	02 03 04 05	PA = Green/Yellow Black (all others) PB = Green/Yellow	001 = 1' 005 = 5' 010 = 10' 015 = 15'
PF = Female Single Ended Straight PG = Female Single Ended 90° PQ = Double Ended Cable with Female 90° PR = Double Ended Cable with Male 90° PS = Double Ended Cable with (2) 90° Connectors RF = Female Receptacle*	23 = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and 10AWG super neutral conductor on 5 and 6 wire devices)	03 04 05 06	White Black (all others) PE = All Blue*** **other color codes	020 = 20' 025 = 25' 030 = 30' 035 = 35' 040 = 40' 045 = 45' 050 = 50'
RM = Male Receptacle (Inlet)* * ½ inch NPT rear thread	30 = 30A up to 600V	04	available upon request. ***Two wire only.	000 = 00

Example: PH 23 06 PB 005



Receptacles

Closure Caps

The LINKOSITY® cable assemblies are code compliant with the NEC and NFPA 79, and suitable for use in virtually any environment as either a permanent or temporary installation.

The UL Listed LINKOSITY® male inlets or female receptacles provide the capability of interfacing directly with facility wiring by simply mounting into established fixed enclosures.

Protects unused devices from the harmful effects of harsh environments.

Tees

Cable Assemblies

1000	•
Description	Catalog Number
LINKOSITY® M/F/F Tee, 20A, 2P	TX2002002002T00
LINKOSITY® M/F/F Tee, 20A, 3P	TX2003002003T00
LINKOSITY® M/F/F Tee, 20A, 4P	TX2004002004T00
LINKOSITY® M/F/F Tee, 20A, 5P	TX2005002005T00
LINKOSITY® M/F/F Tee, 20A SNIG, 4P	TX2304002304T00
LINKOSITY® M/F/F Tee, 20A SNIG, 6P	TX2306002306T00
LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap	TX2306002304A00
LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap	TX2306002304B00
LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap	TX2306002304C00
LINKOSITY® M/F/F Tee, 30A, 4P	TX3004003004T00

Specifications

Material	
Raceway LINKOSITY Cables	Steel, Anodized Aluminum UL 600V Type TC-ER, MTW, STOOW, polyurethatne overmolded terminations
Codes/Standards	
Raceway	UL5, surface metal raceway and fittings C22.2 no. 62, surface metal raceway and fittings TIA/EIA 569B, commercial building standard for telecom pathways and spaces
LINKOSITY	UL2238, UL50

FloorTrak™ PRO System

Modular On-Floor Power, Data and AV Delivery System

- cULus Listed
 - All In One Kits assembled from cULus Listed items
- ADA Compliant
- Power and Data Separations
- Abrasion Resistant Edges

Safely route power and data over floor and in floor with a low profile system

- Wall to conference table
- Under furniture
- Wall feeds in low and high profiles
- Removable dividers and knockouts





Left channel:	0.29 in ²	Up to 8x #12 THHN conductors		
Center channel: 0.67 in ²		Up to 9x 0.215 inch diameter conductors		
Right channel:	el: 0.29 in ² Up to 8x #12 THHN conductors			



FloorTrak™ PRO System









Include: • Precision cut extruded aluminum base and covers

- Surface and variable edges
- · Splices included

	Description	Aluminum	Dark Gray
~	6' Length, Base, Cover and Edges	HBLFMR6A	HBLFMR6DG
Track	3' Length, Base, Cover and Edges	HBLFMR3A	HBLFMR3DG
=	1' Length, Base, Cover and Edges	HBLFMR1A	HBLFMR1DG
	1', 2' & 3' Lengths, Base, Cover and Edges	HBLFMR123A	HBLFMR123DG
S	45 Degrees	HBLFMC45A	HBLFMC45DG
Angle	90 Degrees	HBLFMC90A	HBLFMC90DG
₹	T-Fitting	HBLFMTA	HBLFMTDG
ies	Description		Catalog Number
Accessories	Flush Mount Edges, 4 pieces, 3' each		HBLFMRFE
Acce	Steel Splices, 6pk		HBLFMSPL

FloorTrak™ PRO Ends

Include: • Cover with concealed hardware

g	Description	Aluminum	Dark Gray
Feed	Wall Feed, Low Profile	HBLFMWLA	HBLFMWLDG
Mall	Wall Feed, High Profile	HBLFMWHA	HBLFMWHDG
>	Wall Feed, from Raceway	HBLFMWRA	HBLFMWRDG
	5 1 11		0.11
	Description		Catalog Number
ies	Track End Stop, Dark Gray		HBLFMES
Accessories	Track End with Cable Out, Dark Gray		HBLFMEX
Ses	Transition Fitting for 4" Fire Rated Poke Thru, Dark Gray		HBLFMWPF
Acc	Transition Fitting for PowerPole, Device Fitting included, Dark G	ray	HBLFMWPB
	Transition Fitting for Conduit, Dark Gray		HBLFMWCF

All In One Kits

Prewired fitting and easy to configure kits with all components needed for a total solution that is ready to use.



Wired device fitting

• Surface mount and variable mount edge Splices for Trak

Вох	Description	Aluminum	Dark Gray
	2 Gang: 2X NEMA 5-15R Duplex, 9'10" Cord	HBLFMPDD10A	HBLFMPDD10DG
Device	2 Gang: 2X NEMA 5-15R Duplex, 15'6" Cord	HBLFMPDD15A	HBLFMPDD15DG
Vired [2 Gang: 1X NEMA 5-15R Duplex, 1 w/ USB, 9'10" Cord	HBLFMPUD10A	HBLFMPUD10DG
<u>\<u> </u></u>	2 Gang: 1X NEMA 5-15R Duplex, 1 w/ USB, 15'6" Cord	HBLFMPUD15A	HBLFMPUD15DG



FloorTrak™ PRO Device Fittings

Include: • Configurable device fitting for configuring with power and data

	Description	Catalog Number
	2-Gang Deco: 1 Power & 1 Data	HBLFMD1P1D
ries	2-Gang Deco: 2 Power	HBLFMD2P
Accessories	2-Gang Deco: 2 Data	HBLFMD2D
Sce	3-Gang Deco: 2 Power & 1 Data	HBLFMD2P1D
⋖	3-Gang Deco: 1 Power & 2 Data	HBLFMD1P2D
	2-Gang; 1 Deco, 1 KO (¾" + 1"): 1 Power & 1 Data	HBLFMD1D1K

SECTION T

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Products at a Glance



Hubbell Trench Duct Series

The Hubbell Trench system is an in-floor wire management system that meets today's high capacity wiring needs that require multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment such as X-Ray and MRI machines.



Hubbell Wall Duct Series

The Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.



Hubbell Underfloor Duct Series

The Hubbell Underfloor Duct system is an in-slab wire management product for delivering power, voice and data services for applications that include retail facilities, open office workstations, fitness centers, casinos, medical facilities and libraries.



Underfloor Duct Raceway Activation Kits

- Available in brass and brushed aluminum to meet aesthetic requirements
- Available in one, two and three-gang options
- ScrubShield[®] Complies with UL514A scrub water requirements
- Flanged design may be used in tile, wood, carpet, terrazzo and bare concrete applications
- Uniform look when used in same areas where Hubbell floor boxes are installed

Features and Benefits

A high capacity trench system for in-floor wire management.

The Hubbell Trench System is a UL listed in-floor wire management system that meets today's high capacity wiring needs requiring multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment, such as X-Ray and MRI machines. Trench duct is also used as a stand alone system for commercial and retail applications where ease of access and high capacity are crucial.



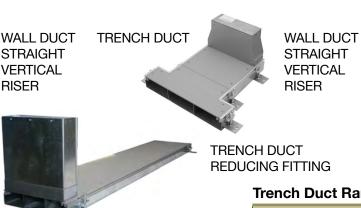
Multiple compartments provide more capacity than conventional ducts.

The Hubbell Trench System provides more capacity than conventional conduits and ducts. It features a single, high-capacity duct with multi-compartments for easy placement of additional wiring.

Its open top design allows wiring to be laid in the duct instead of being pulled, eliminating the need for junction boxes.

Removable covers are 1/4" thick and lock into the track of the trench. Internal dividers and/or support strips increase load capacity of heavy-duty covers. These removable covers allow free access to wiring and can be placed anywhere along the duct for easy wire exit relocation.

- High capacity design supports large wiring for single and multiple service requirements
- Open top design allows wire to be easily laid in duct
- Cover plates are removable and adjust horizontally to any point along the duct. Custom lengths of trench and fittings are available. Provided in either galvanized G90 steel or nonferrous aluminum.
- Multiple compartment options allows for multiple circuit and low voltage separation
- Innovative duct support assembly allows for pre-pour leveling
- Packaging and labeling by project floor and room is available



TRENCH DUCT



WALL DUCT SWEEP

COUPLER & LEVELING TOOL

TRENCH DUCT

Trench Duct Range of Offering

Trench Product	Depth ½" Increments	Width	Compartments	Cover Plate
OKA = Trench OKB = Pull Box OKC = Exit Cover OKE = End Cap OKL = Horizontal L OKR = Vertical Riser OKT = T Junction Box OKX = X Junction Box	A = 2" $B = 21/2"$ $C = 3"$ $D = 31/2"$ $E = 4"$ $J = 6"$ $N = 8"$ (Other Depths Available)	6 9 12 18 24 (Other Widths Avail.)	1C = 1 Compartment 2C = 2 Compartment 3C = 3 Compartment 4C = 4 Compartment	1/4 = 1/4" thick

Note: For Alumimum Trench Duct or Fittings, add "AL" suffix to catalog number.

WIDTH + 5 7/16"



Hubbell Trench Duct Series and Fittings

Ordering Information Notes:

- 1. Common use sizes are listed below. Contact factory for other configurations or see page 2 for Range of Offering table.
- 2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

	Description	Trench Depth	Cover Width	No. of Compartments	Catalog Number
	Straight Section	21/2"	9"	1	OKA/B9-1C-1/4
ıc	Manufactured in standard 6' lengths	3"	9"	2	OKA/C9-2C-1/4
۵	with factory installed dividers.	21/2"	12"	2	OKA/B12-2C-1/4
长	Provided with (3) leveling feet/couplers	3"	12"	3	OKA/C12-3C-1/4
Č	on each side, (3) 24" long cover plates	21/2"	18"	3	OKA/B18-3C-1/4
<u>.</u>	and (3) cover plate joint protectors.	3"	18"	4	OKA/C18-4C-1/4
_	Leveling feet permits 1" of vertical	21/2"	24"	3	OKA/B24-3C-1/4
	pre-pour adjustment. Consult factory for additional vertical adjustment.	3"	24"	4	OKA/C24-4C-1/4

Note: For Alumimum Trench Duct or Fittings, add "AL" suffix to catalog number.

	Description	Outside Cover	No. of Compartments	Catalog Number
	'		Compartments	
	Horizontal "L" Fitting Manufactured with a single cover and matching	12" x 12" 12" x 12"	1	OKL/B9-1C-1/4 OKL/C9-2C-1/4
		12 x 12 15" x 15"	2 2	OKL/B12-2C-1/4
	internal partitions to form a 90° horizontal "L".	15 X 15 15" X 15"	3	OKL/C12-3C-1/4
	Includes cover plate joint protectors and	15 X 15 21" x 21"	3	OKL/C12-3C-1/4 OKL/B18-3C-1/4
	leveling feet.	21 X 21 21" X 21"	4	OKL/C18-4C-1/4
		21 X 21 27" x 27"	3	OKL/C18-4C-1/4 OKL/B24-3C-1/4
		27" x 27"	4	OKL/C24-4C-1/4
	Horizontal 45° Elbow Fitting	45°	1	OKL45/B9-1C-1/4
	Manufactured with a split cover plate and matching	45°	2	OKL45/C9-2C-1/4
	internal partitions to form a 45° Mitered "L".	45°	2	OKL45/B12-2C-1/4
	Other angles available. Includes cover plate joint	45°	3	OKL45/C12-3C-1/4
	protectors and leveling feet.	45°	3	OKL45/B18-3C-1/4
S		45°	4	OKL45/C18-4C-1/4
g		45°	3	OKL45/B24-3C-1/4
Fittings		45°	4	OKL45/C24-4C-1/4
证	Single Level "T" Junction Fitting	15" x 12"	1	OKT/B9-1C-1/4
	Manufactured with matching internal partitions and	15" x 12"	2	OKT/C9-2C-1/4
	crossovers to isolate power and communications.	18" x 15"	2	OKT/B12-2C-1/4
	Includes cover plate joint protectors and	18" x 15"	3	OKT/C12-3C-1/4
	leveling feet.	24" x 21"	3	OKT/B18-3C-1/4
	10.000.00	24" x 21"	4	OKT/C18-4C-1/4
		30" x 27"	3	OKT/B24-3C-1/4
		30" x 27"	4	OKT/C24-4C-1/4
	Pull Box	9" x 12"	1	OKB/B9-1C-1/4
	Manufactured to attach to trench section replacing	9" x 12"	2	OKB/C9-2C-1/4
	end cap. Divided into compartments as required.	9 x 12 12" x 12"	2	OKB/B12-2C-1/4
	Additional depth permits attachment of large	12 X 12 12" X 12"	3	OKB/C12-3C-1/4
	conduits. Box is field punched for conduits.	12 x 12 18" x 12"	3	OKB/B18-3C-1/4
	Standard depth is 6." Also available as a stand-alone	18" x 12"	4	OKB/C18-4C-1/4
	SPOKB solid-sided floor box with trench rails on all	16 X 12 24" x 12"	3	OKB/B24-3C-1/4
	4 sides. Consult factory for details	24 × 12 24" × 12"	4	OKB/C24-3C-1/4 OKB/C24-4C-1/4
	4 Sides. Consult factory for details	24 X IZ	4	UND/024-40-1/4

	Description	Trench Width	Catalog Number	
over Fittings	Designed to provide exit and feed for Trench Duct. Conduit openings are provided for power and communication exit or feed using conventional conduit fittings or service fittings. Exit Cover may be placed anywhere along the length of the trench. All Exit Covers are 6" long. Hole sizes and placement are specified at time of order.	9" 12" 18" 24"	OKC/9-xx OKC/12-xx OKC/18-xx OKC/24-xx	6.0
Exit C	Access Hood Similar to Exit Cover except provided with a louvered opening for communication cables. Consult factory for custom Access Hoods.	9" 12" 18" 24"	OKHOOD-9 OKHOOD-12 OKHOOD-18 OKHOOD-24	



Hubbell Trench Duct Fittings

Ordering Information Notes:

- 1. Common use sizes are listed below. Contact factory for other configurations or see page 2 for Range of Offering table.
- 2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

	Description	Fits Trench Dim. (Width x Depth)	Max Trade Size Conduit	Catalog Number
	End Cap	9" x 2½"	3/4"	OKE/B9
	Fits over end of trench run to close trench and prevent	9" x 3"	1"	OKE/C9
	foreign material from entering. End cap may be drilled to	12" x 2½"	3/4"	OKE/B12
	accept conduit.	12" x 3"	1"	OKE/C12
	i i	18" x 2½"	3/4"	OKE/B18
		18" x 3"	1"	OKE/C18
		24" x 2½"	3/4"	OKE/B24
		24" x 3"	1"	OKE/C24
		0	No. of	
	Description	Outside Cover	Compartments	Catalog Number
	Single Level "X" Junction Fitting	15" x 15"	1	OKX/B9-1C-1/4
20	Manufactured with matching internal partitions and	15" x 15"	2	OKX/C9-2C-1/4
Fittings	crossovers to isolate power and communications.	18" x 18"	2	OKX/B12-2C-1/4
三三	Includes cover plate joint protectors and leveling feet.	18" x 18"	3	OKX/C12-3C-1/4
ш		24" x 24"	3	OKX/B18-3C-1/4
		24" x 24"	4	OKX/C18-4C-1/4
		30" x 30"	3	OKX/B24-3C-1/4
		30" x 30"	4	OKX/C24-4C-1/4
	B	E: T 1 M/2 III	No. of	
	Description	Fits Trench Width	Compartments	Catalog Number
	Vertical Riser Fitting (Straight)	9"	1	OKR/D9-1C
	Manufactured to transition from trench duct to a panel,	9"	2	OKR/D9-2C
	pull box or to conduit. Mounts on trench in place of cover.	12"	2	OKR/D12-2C
	Partitioned to separate cells and flanged to attach to a	12"	3	OKR/D12-3C
	pull box or panel. Removable front cover and top cover.	18"	3	OKR/D18-3C
	Standard height above finish floor —12".	18"	4	OKR/D18-4C
	Standard depth —3½". Available in a sweep version (replace OKR with OKSWR)	24" 24"	3 4	OKR/D24-3C OKR/D24-4C
	(Spices S. L. Mill Ofform)	- '	'	

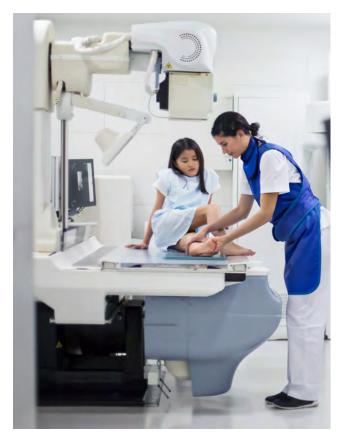
S	Description	Trench Width #1	Trench Width #2	Catalog Number	
nal Fittings	Reducer Fitting Manufactured to transition from a wide trench duct width to a narrower trench duct width.	9" 12" 18" 24"	6" 9" 12" 18"	OKARED/B9-6-2C-1/4 OKARED/B12-9-3C-1/4 OKARED/B18-12-3C-1/4 OKARED/B24-18-4C-1/4	
Additio	Fastening Angles Accessories to join trench sections for field fabrication of horizontal and vertical assemblies.	Horizontal Angle Vertical Angle	_ _	OK/VWI OK/VVW	

es	Description	Accessory Type	Catalog Number
cessori	Permits 1" of pre-pour vertical adjustment and couples sections together. "x" represents screw height (max. 6") and height of trench. Additional vertical adjustment is available by increasing the length of screw "x".	Single Leveling Foot Assembly	OK/F-x
ct Ac	Provides a 1½" wide surface (with gasket) for cover plate joints. "x" represents trench width.	Single Cover Plate Joint Protector	OK/DSD-x
ch Du	Separates trench duct compartments. "x" represents trench depth (see catalog number system).	Divider	OKP/x
Trend	Provided with $\frac{5}{6}$ x 18 bolts on 6" or 12" centers for increased cover plate weight loading capability.	Support Stud Strip	Consult Factory

gs	Description	Type	No. of Compartments	Catalog Number	
	Tunnels	"T" Unit	2, 3, or 4	Consult Factory	1
	Factory installed inside of multi-compartment "T" and "X" units to maintain separation of services. May be ordered separately and field installed.	"X" Unit	2, 3, or 4	Consult Factory	

Features and Benefits

The Hubbell Wall Duct Series is a UL Listed metal raceway system designed for the enclosure of wiring for MRI or X-Ray equipment in medical applications. The system provides complete lay-in wiring capability in order to accommodate the large cables and connectors used in today's installations.



Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.

Wall Duct is available in ferrous steel and non-ferrous aluminum versions.

- Lay in wiring accommodates large cables and connectors to connect equipment
- Corrosion resistant galvannealed A60 steel or non ferrous aluminum versions
- Steel Wall Duct is provided with unpainted bodies and gray primered cover plates. Custom painted wall duct is available
- Flush (primarily wall) and Surface (primarily ceiling) mount provides flexibility to address specific equipment placement and unique room design requirements
- Hubbell Wall Duct is utilized with Hubbell Trench Duct
- Packaging and labeling by project floor and room is available

45 DEGREE INTERNAL ELBOW





WALL DUCT WITH SPLIT
COVER PLATE





TRENCH DUCT

Wall Duct Range of Offering

Wall Duct Product		Depth ½" Increments	Width	Cover Style
OWA = Wall Duct OWB = Adapter OWC = Coupling OWD = Reducer Coupling OWE = End Closure OWF = Cabinet Connector OWH = Horizontal Elbow	OWI = Internal Elbow OWL = External Elbow OWP = Partition OWR = Vertical Riser OWT = T Unit OWV = Trench to Wall Duct Adapter OWX = X Unit	A = 2" B = 2½" C = 3" D = 3½" E = 4" J = 6" N = 8" (Other Depths Available)	6 10 12 18 (Other Widths Available)	S = Surface F = Flush

Note: For Alumimum Wall Duct or Fittings, add "AL" suffix to catalog number.



Hubbell Wall Duct Series and Fittings

Ordering Information Notes:

- 1. Common use sizes are listed below.Contact factory for other configurations or see page 5 for Range of Offering table.
- 2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

	Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number
Wall Duct	Wall and Ceiling Duct Manufactured in standard 60" lengths with two 30" long cover plates. Provided with one coupling and necessary screws.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	12" 14" 20"	OWA/D10F OWA/D12F OWA/D18F	10" 12" 18"	OWA/D10S OWA/D12S OWA/D18S

Note: For Alumimum Wall Duct or Fittings, add "AL" suffix to catalog number.

Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Internal Elbow Forms a sharp 90° Internal "L" Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	12" 14" 20"	OWI/D10F OWI/D12F OWI/D18F	10" 12" 18"	OWI/D10S OWI/D12S OWI/D18S	
Internal Elbow, Sweep Forms a chamfered 90° Internal "L" for increased cable bend radius. Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	12" 14" 20"	OWSWI/D10F OWSWI/D12F OWSWI/D18F	10" 12" 18"	OWSWI/D10S OWSWI/D12S OWSWI/D18S	
Internal 45° Elbow Forms a 45° Internal "L" Provided with one cover plate, one coupling and necessary screws. Also available as an External 45° elbow. Replace "OWI" with "OWL" in catalog number Horizontal Elbow Forms a 90° Horizontal "L"	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	12" 14" 20"	OWI45/D10F OWI45/D12F OWI45/D18F	10" 12" 18"	OWI45/D10S OWI45/D12S OWI45/D18S	
Horizontal Elbow Forms a 90° Horizontal "L" Provided with one cover plate, one coupling and necessary screws. Corner divider "OWCP" ordered separately.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	12" 14" 20"	OWH/D10F OWH/D12F OWH/D18F	10" 12" 18"	OWH/D10S OWH/D12S OWH/D18S	
Horizontal 45° Elbow Forms a 45° Horizontal "L" Provided with one cover plate, one coupling and necessary screws.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	12" 14" 20"	OWH45/D10F OWH45/D12F OWH45/D18F	10" 12" 18"	OWH45/D10S OWH45/D12S OWH45/D18S	
External Elbow Forms a sharp 90° External "L" Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	12" 14" 20"	OWL/D10F OWL/D12F OWL/D18F	10" 12" 18"	OWL/D10S OWL/D12S OWL/D18S	

Note: Images shown are surface mount.



Hubbell Wall Duct Fittings

Ordering Information Notes:

- 1. Common use sizes are listed below.Contact factory for other configurations or see page 5 for Range of Offering table.
- 2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

	Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Internal / External Elbows	Internal / External Elbow Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	= =	= -	10" 12" 18"	SPOWI/D10S SPOWI/D12S SPOWI/D18S	
Internal / E	Internal / External Elbow, Sweep Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	=	_ _ _	10" 12" 18"	SPOWSWI/D10S SPOWSWI/D12S SPOWSWI/D18S	
Units	Vertical "T" Unit Forms a 90° Vertical "T". Provided with three cover plates, two couplings and necessary screws.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	12" 14" 20"	OWVT/D10F OWVT/D12F OWVT/D18F	10" 12" 18"	OWVT/D10S OWVT/D12S OWVT/D18S	
Ū "L"	Horizontal "T" Unit Forms a 90° Horizontal "T". Provided with one cover plate, one coupling and necessary screws. Tunnels are ordered separately.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	12" 14" 20"	OWT/D10F OWT/D12F OWT/D18F	10" 12" 18"	OWT/D10S OWT/D12S OWT/D18S	
"X" Unit	"X" Unit Forms intersection of four perpendicular ducts. Provided with one cover plate, two coupling and necessary screws. Tunnels are ordered separately.	3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	12" 14" 20"	OWX/D10F OWX/D12F OWX/D18F	10" 12" 18"	OWX/D10S OWX/D12S OWX/D18S	

	Description	For Trench Width	For Wall Duct (Width x Depth)	Flush Catalog Number	Surface Catalog Number	
Riser Fittings	Vertical Riser Fitting, Straight Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12" (7" for OWR/ D12x10). Standard depth — 3½". Provided with one coupling and necessary screws.	10" 12" 18" 12"	10" x 3½" 12" x 3½" 18" x 3½" 10" x 3½"	OWR/D10F OWR/D12F OWR/D18F OWR/D12-10F	OWR/D10S OWR/D12S OWR/D18S OWR/D12-10S	
Vertical	Vertical Riser Fitting, Sweep Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12". Standard depth —3½". Provided with one coupling and necessary screws.	10" 12" 18" 12"	10" x 3½" 12" x 3½" 18" x 3½" 10" x 3½"	OWSWR/D10F OWSWR/D12F OWSWR/D18F OWSWR/D12-10F	OWSWR/D10S OWSWR/D12S OWSWR/D18S OWSWR/D12-10S	

ng	Description	Overall Depth	Flush Wall Duct Body Width	Surface Cover Width	Catalog Number	
oter Fittir	Flush to Surface Adapter Transitions from flush wall duct to perpendicular surface wall duct. Provided with one cover plate, two couplings and	3½" 3½" 3½" 3½"	9 ¹³ / ₁₆ " 11 ¹³ / ₁₆ " 17 ¹³ / ₁₆ " 17 ¹³ / ₁₆ "	10" 18" 12" 18"	OWB/D10-10 OWB/D12-18 OWB/D18-12 OWB/D18-18	Surface
Adap	necessary screws.	0/2	17 /16	10	Flush Surface	Flush



Hubbell Wall Duct Fittings

Ordering Information Notes:

- 1. Common use sizes are listed below. Contact factory for other configurations or see page 5 for Range of Offering table.
- 2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

	Description	Overall Depth	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
	End Cap Closes off end of wall duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	OWE/D10F OWE/D12F OWE/D18F	10" 12" 18"	OWE/D10S OWE/D12S OWE/D18S	B
ings	Cabinet Connector Connects wall duct to enclosures. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½" 3½"	12" 14" 20"	OWF/D10 OWF/D12 OWF/D18	10" 12" 18"	OWF/D10 OWF/D12 OWF/D18	
Additional Fittings	Coupling Joins surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½" 3½" 3½"	12" 14" 20"	OWC/D10 OWC/D12 OWC/D18	10" 12" 18"	OWC/D10 OWC/D12 OWC/D18	
	Trench to Wall Duct Adapter Transitions from trench duct to a vertical run of wall duct when not using the OWR or OKR series Vertical Risers. Mounts on trench in place of cover. Provided with necessary screws.	3½" 3½" 3½"	12" 14" 20"	OWV/D10 OWV/D12 OWV/D18	10" 12" 18"	OWV/D10 OWV/D12 OWV/D18	
	Reducer Coupling Joins two sizes of surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3½" 3½"	20" to 12" 20" to 14"	OWD/D (18-10) OWD/D (18-12)	18" to 10" 18" to 12"	OWD/D (18-10) OWD/D (18-12)	
	Split Cover Plate Provides wire egress from raceway. Provided with assembly screws and grommet material.		12" 14" 20"	OWSC/10F OWSC/12F OWSC/18F	10" 12" 18"	OWSC/10S OWSC/12S OWSC/18S	

Note: Grommet material is available to cover field cut openings in Wall Duct. Outside dimensions of grommet is 1/4" x 5/16" and is made from SBR rubber. Catalog number GROM-xx ("xx" represents length in feet).

ω	For Overall		For Fitting Style	
Description	Raceway Depth	Straight (Length 60")	Horizontal "L"	Internal Sweep Elbow
Internal Duct Partitions Divides raceway and fittings into compartments. Screws provided.	3½"	OWP/D	OWCP/D	OWSWP/D

<u>s</u>	Description	Type	No. of Compartments	Catalog Number	
ting	Tunnels	"T" Unit	2, 3, or 4	Consult Factory	
Funnel Fitt	Field installed inside of multi-compartment "T" and "X" units to maintain separation of services. May be factory installed.	"X" Unit	2, 3, or 4	Consult Factory	

Features and Benefits

Multi-Compartment Underfloor Duct Saves Time and Money for In-Slab Wire Management System

The Hubbell Underfloor Duct system is a UL listed in-slab wire management product for delivering power, voice and data services to applications that include retail facilities, open office workstations, fitness centers, casinos, medical facilities and libraries. This system is uniquely designed with multiple compartments, allowing unlimited design options and cost savings in labor and materials from other single-compartment systems. Matched with our strong national distribution and complete technical and application support, the Hubbell Underfloor Duct System is the perfect solution for your underfloor wire management needs.

- Eight duct profiles available to accommodate numerous in-slab wire management for power and communications.
- One-piece design multi-compartment duct, drastically reducing installation and material costs.
- Standard insert heights ranging from 1 to 3 inches (other heights available).
- Inclusive tile trim in square-top junction boxes, providing the installer the on-site option of using the trim or leaving it recessed.
- Combination duct coupler/support, reducing material and labor costs using the same part to join raceway sections together and to support/level the duct.
- Activation inserts are pre-assembled to the duct, or the inserts can be purchased separately for field installation only where you need them.
- Heavy duty junction boxes are available for areas requiring high-concentrated floor loads.
- Meets or exceeds UL 884 specifications, assuring a fully UL Listed system.

ACTIVATION KIT

RECTANGULAR INSERT UNDERFLOOR DUCT

Flush Insert Duct Benefits

 Provides an aesthetic wire management solution for delivering power and communications services.

- Unique multi-gang flush inserts with removable voltage dividers provide the flexibility of installing multiple gangs of the same service at each insert location.
- Individual gangs can be activated as needed, to minimize costs.
- Activation trims accept standard Hubbell floor box covers for power and data, available in aluminum and brass.



JUNCTION BOX

ROUND INSERT
UNDERFLOOR DUCT





Conventional, Flush and Blank Underfloor Duct Profiles

Ordering Information Note:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

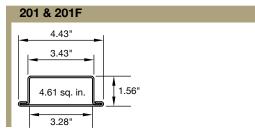
- Provided in standard 10 ft. lengths
- 14 gauge, G90 galvanized steel
- 2 Inch IPS (Iron Pipe Size) round inserts are die-cast zinc. Reducing bushings provided by others
- Rectangular inserts are 14 gauge, G90 galvanized steel
- All duct profiles are available as Blank duct (no inserts), with factory installed 2" IPS Round Inserts or with Rectangular Inserts on 12" or 24" centers except as noted below. Consult factory for custom Insert spacing.

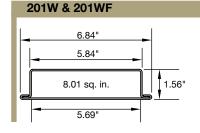
Catalog Number System

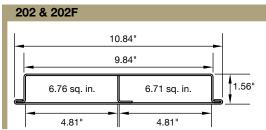
	SP202F -	. 2	- 12	
	Profile	Insert Height	Insert Spacing	
Round Insert Duct and Blank Duct	201 201W 202 SP202 202W 203 203F 204	B = Blank 15 = 1 ½" 2 = 2" 25 = 2 ½" 3 = 3"*	12 = 12" 24 = 24" n/a for Blank Duct	
Flush Insert Duct	201F 201WF 202F SP202F 202WF 203F	B = Blank (203F only) 1 = 1" (201F & 201	12 = 12" 24 = 24" n/a for Blank Duct	

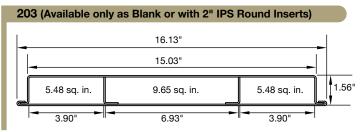
Note: *Consult factory for heights greater than 3". ** 1 1/2" min. required for duplex receptacles.

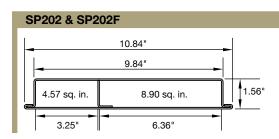
Dimensions

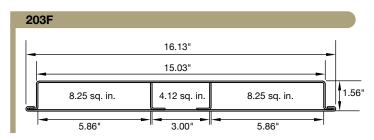


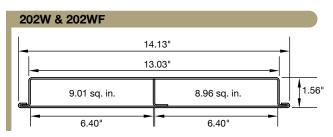


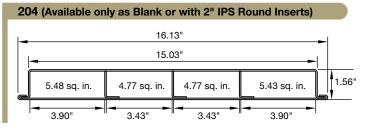














Technical Information and Wire Fill Capacity Chart

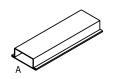
Ordering Information Note:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Duct Profile	201 201F	201W 201WF	20 20	02 2F	SP: SP2	202 202F	202 202	2W :WF		203			203F			20	04	
Channel Cross Sectional Area (sq. in.)			6.76	6.71	4.57	8.9	9.01	8.96	5.48	9.65	5.48	8.25	4.12	8.25	5.48	4.77	4.77	5.43
Channel	А	A	A	В	Α	В	Α	В	Α	В	С	A	В	С	Α	В	С	D

			Gridinio				_	*			_		_	_		_			_	_	
Cable Type	Size	Approx. Dia. (in.)	Approx. Area (sq in.)																		
	14 AWG	0.111	0.0097	190	331	279	277	188	367	372	370	226	398	226	341	170	341	226	197	197	224
Power	12 AWG	0.130	0.0133	138	241	203	202	137	268	271	270	165	290	165	248	124	248	165	143	143	163
(THHN)	10 AWG	0.164	0.0211	87	151	128	127	86	168	170	169	103	182	103	156	78	156	103	90	90	102
	8 AWG	0.216	0.0366	50	87	73	73	49	97	98	97	59	105	59	90	44	90	59	52	52	59
Coax	RG-6/U	0.270	0.0573	32	55	47	46	31	62	62	62	38	67	38	57	28	57	38	33	33	37
Cables	RG-6/UQ	0.298	0.0697	26	45	38	38	26	51	51	51	31	55	31	47	23	47	31	27	27	31
	Cat 5e	0.210	0.0346	53	92	78	77	52	102	104	103	63	111	63	95	47	95	63	55	55	62
LAN Cables	Cat 6	0.250	0.0491	37	65	55	54	37	72	73	73	44	78	44	67	33	67	44	38	38	44
	Cat 6A	0.350	0.0962	19	33	28	27	18	37	37	37	22	40	22	34	17	34	22	19	19	22
Fiber Optio	2-6 Strand	0.190	0.0284	65	113	95	94	64	125	127	126	77	136	77	116	58	116	77	67	67	76
Fiber Optic Distribution	8-12 Strand	0.230	0.0415	44	77	65	64	43	85	86	86	52	92	52	79	39	79	52	45	45	52
Cables	16-24 Strand	0.350	0.0962	19	33	28	27	18	37	37	37	22	40	22	34	17	34	22	19	19	22

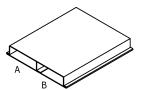
Note: Cable quantities shown in this chart are based on a 40% wire fill capacity. Sizes of COAX, LAN and Fiber Optic cables are provided for example only. Consult cable manufacturer's specification for exact cable sizes.



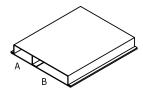
201 and 201F Series Single Compartment



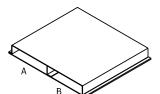
201W and 201WF Series Single Wide Compartment



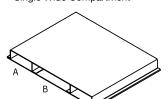
202 and 202F Series Two Equal Compartments



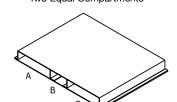
SP202 and SP202F Series Modified Two Compartments



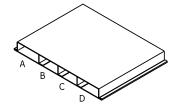
202W and 202WF Series Two Equal Compartments



203 Series Three Compartments



203F Series Three Compartments



204 Series Four Compartments

Applicable Codes & Standards

- TIA/EIA 569-C "Commercial Building Standard for Telecommunications Pathways and Spaces"
- NEC Article 390 "Underfloor Raceways"
- · Ampacity derating rules of NEC applies to conductors installed in Underfloor Raceways and Trench Duct
- UL Standard UL 884 "Underfloor Raceways and Fittings"
- UL Listed E75939 (Underfloor Raceway) & E304554 (Underfloor raceway Fittings)



Underfloor Duct Raceway Fittings

Ordering Information Note:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Couples duct sections together and supports the duct. To be used every 5 feet of duct run. Couples duct sections together and supports the duct. To be used every 5 feet of duct run. Couples duct sections together and supports the duct. To be used every 5 feet of duct run. Couples duct sections together and supports the duct. To be used every 5 feet of duct run. Couples duct sections together and supports the duct. To be used every 5 feet of duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct sections together and supports duct run. Couples duct run. Couples duct sections duct run. Couples duct sections duct run. Couples duct ru	200
Couples duct sections together and supports the duct. To be used every 5 feet of duct run. 201W-DCS 202-DCS 202W-DCS 203-DCS	
Supports and closes unused duct ends. Supports and closes unused duct ends. Supports and closes unused duct ends. Supports and closes unused duct ends. 201-ECS 202W-ECS 203-ECS 201-VEL 201-VEL 201-VEL 201-VEL 202-VEL 202-VEL 202-VEL 203-VEL 2) •
Supports and closes unused duct ends. Supports and closes unused duct ends. Supports and closes unused duct ends. Supports and closes unused duct ends. 201-ECS 202W-ECS 203-ECS 201-VEL 201-VEL 201-VEL 202-VEL 202-VEL 202-VEL 202-VEL 203-VEL 2) •
Supports and closes unused duct ends. Supports and closes unused duct ends. Supports and closes unused duct ends. Supports and closes unused duct ends. 201-ECS 202W-ECS 203-ECS 201-VEL 201-VEL 201-VEL 202-VEL 202-VEL 202-VEL 202-VEL 203-VEL 2	
Supports and closes unused duct ends. Supports and closes unused duct ends. Supports and closes unused duct ends. 201W-ECS 202W-ECS 203-ECS 201W-VEL 201-VEL 201W-VEL 201W-VEL 202-VEL 202-VEL 202-VEL 202W-VEL 203-VEL 203-VEL 203-VEL 203-VEL 203-VEL 203-VEL 204-VEL 204-VEL 201-UCA 201W-UCA 201-UCA 20	
Supports and closes unused duct ends. Supports and closes unused duct ends. Supports and closes unused duct ends. 201-VEL 201-VEL 201-VEL 201-VEL 201-VEL 201-VEL 202-VEL 303-VEL 203-VEL 2	•
Transitions from duct embedded in concrete floor to vertical duct or may be used for direct connection to a Universal Conduit Adapter (UCA). Coupler / Supports (DCS) are required to attach to duct and UCA. Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) 201-VEL 201W-VEL 202W-VEL 203-VEL 203-VEL 203-VEL 203-VEL 201W-UCA 201W-UCA 201W-UCA 201W-UCA 201W-UCA 202-UCA 202W-UCA 203-UCA 203-UCA 203-UCA 203-UCA 203-UCA 203-UCA	•
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Transitions from duct embedded in concrete floor to vertical duct or may be used for direct connection to a Universal Conduit Adapter (UCA). Coupler / Supports (DCS) are required to attach to duct and UCA. Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes)	
Transitions from duct embedded in concrete floor to vertical duct or may be used for direct connection to a Universal Conduit Adapter (UCA). Coupler / Supports (DCS) are required to attach to duct and UCA. Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) Transitions from duct to conduit. 201-VEL 203-VEL 203-VEL 201-UCA 201-UCA 201-UCA 201-UCA 202-UCA 3-0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) 203F-VEL 204-VEL 201-UCA 201-UCA 202-UCA SP202-UCA SP202-UCA 202W-UCA 203-UCA 203-UCA 203-UCA	
Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) 203F-VEL 204-VEL 201-UCA 201-UCA 202-UCA SP202-UCA SP202-UCA 202W-UCA 203-UCA 203-UCA 203-UCA	_
Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) 203F-VEL 204-VEL 201-UCA 201-UCA 202-UCA SP202-UCA SP202-UCA 202W-UCA 203-UCA 203-UCA 203-UCA	
Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) 203F-VEL 204-VEL 201-UCA 201-UCA 202-UCA SP202-UCA SP202-UCA 202W-UCA 203-UCA 203-UCA 203-UCA	
Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) 203F-VEL 204-VEL 201-UCA 201-UCA 202-UCA SP202-UCA SP202-UCA 202W-UCA 203-UCA 203-UCA 203-UCA	•
Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) 201-UCA 202-UCA SP202-UCA SP202-UCA 203-UCA 203-UCA 203-UCA 203-UCA	
Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) 201W-UCA 202-UCA SP202-UCA 203-UCA 203-UCA 203-UCA 203F-UCA	•
	•
204-UCA	
1=+: ****	•
201-HB90 ●	
Provides a horizontal 90 degree 201W-HB90	
turn in floor duct. No hand access provided. Consult factory for other	
provided. Consult factory for other angles. SP202-HB90-NIR SP202-HB90-NIR SP202-HB90-NIR SP202-HB90-NIR SP202-HB90-NIR SP202-HB90-NOR either with the Narrow Compartment located at the inside radius (NIR)	
SP202-HB90-NOR SP202-HB90-NOR SP202-HB90-NOR	
SP202-HB90's must be specified either with the Narrow Compartment 202W-HB90	
203-HB90	,
203E-HB00	
SP202-HB90-NOR shown in illustration.	
201-DCC • • •	•
201W-DCC	•
Provides a means for connecting duct to an electrical cabinet 201W-DCC 202-DCC 202W-DCC	•
Provides a means for connecting duct to an electrical cabinet 201W-DCC 202-DCC 202W-DCC • • • • • • • • • • • • • • • • • •	•
203-DCC • I	•



Underfloor Duct Raceway Junction Boxes and Accessories

Ordering Information Note:

Floor Duct part numbers are for reference only. All Floor Duct 1 = 1" (201F & 201WF only) orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

x = Preset Insert Height

15 = 1 ½" (min. required for duplex recept.)

2 = 2" **25** = 2 ½"

3 = 3" (consult factory for heights greater than 3")

Underfloor Duct Raceway Junction Boxes and Accessories

Onder	noor Duct ne	iceway Junction Boxes	and Accessories
			201-JB-x
_ω			201W-JB-x
3ox		For providing square opening	202-JB-x
Acc Acc		access at intersections of	SP202-JB-x
Junction Box		Feeder Duct and Distribution	202W-JB-x
Junction Box Square Access		Duct	203-JB-x
0,	< ◆		203F-JB-x
			204-JB-x
			201-JB-x-RCB*
ທ		For providing round opening	201W-JB-x-RCB*
30x		access at intersections of Feeder Duct and Distribution	202-JB-x-RCB*
on F		Duct. Provided with Brass or	SP202-JB-x-RCB*
Junction Box Round Access		Stainless Steel Carpet Ring	202W-JB-x-RCB*
를 하고 있다.		*Available in Stainless Steel.	203-JB-x-RCB*
_		To order replace B with SS	203F-JB-x-RCB*
			204-JB-x-RCB*
3ox uty		Same as above except cover plates are 3/8" thick and after-pour	202-JB-x-HD-ADJ
Junction Box Heavy Duty Round Access		height adjustable. Carpet Rings and Closure Caps must	SP202-JB-x-HD-ADJ
Junci Hear Sound		be ordered separately. Duct Entrance Cap - HDJBDC	202W-JB-x-HD-ADJ
> 10	-	Corner Cap - HDJBCC	
Ring Duty Soxes		1/8" thick Carpet Trim for Heavy	RD-BRASS*-202-ADJ
Carpet Ring for Heavy Duty Junction Boxes		Duty Junction Boxes. *Available in Stainless Steel.	RD-BRASS*-SP202-ADJ
Cal for F Junc		To order replace BRASS with SS	RD-BRASS*-202W-ADJ
× Ħ		Provides attachment point for	JB-CCA
Junction Box Corner Conduit Adapter		conduit to each corner of all iunction boxes. JB-CCA is	JB-CCA-1/2
nction B ner Con Adapter		provided with 14 gauge steel	JB-CCA-3/4
nct ner Ada		plate for field punched conduit	JB-CCA-1 JB-CCA-1-1/2
7 5		opening. All other adapters are factory punched.	JB-CCA-1-1/2 JB-CCA-2
	\V	idata. j pariorioai	02 00A L

Hubbell Trench Duct is commonly used as a feeder system for **Underfloor Duct Raceway systems.**



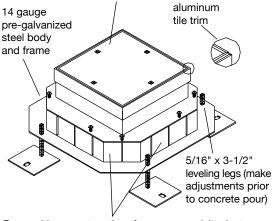
Factory assembled Trench/Underfloor duct intersect units allow unrestricted capacity by the elimination of tunnels. Side mounted Underfloor duct is available for shallow concrete pours. Consult factory for details.

- High capacity design supports large cables for single and multiple service requirements.
- Open top design allows cables to be easily laid in duct.
- · Cover plates are removable and adjust horizontally to any point along the duct. · Custom lengths of trench and fittings are
- Multiple compartments allow complete

separation of services.

• Innovative duct support assembly allows for pre-pour leveling and acts as a splice for duct sections.

F	lusł	ı Ins	sert	Duc	ct		Con	ven	tior	nal E	ouct	t
201F	201WF	202F	SP202F	202WF	203F	201	201W	202	SP202	202W	203	204
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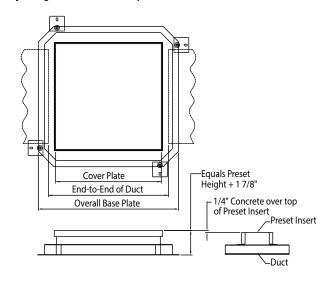
Removable pry-out sections for corner conduit adapters (JB-CCA series) and duct entrances. Additional blanking plates not required for unused junction box entrances. Blanking plates must be ordered separately for heavy duty junction boxes.



Underfloor Duct Junction Box Dimensions

Ordering Information Note:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.



Junction Box Catalog Number	Cover Plate	End-To-End Of Duct	Overall Base Plate		
201-JB-x 201-JB-x-RCx	6 ⁵ /16"	8"	10 ½"		
201W-JB-x 201W-JB-x-RCx					
202-JB-x 202-JB-x-RCx	12 ⁹ /16"	14 ½"	17 ¹³ /16"		
SP202-JB-x SP202-JB-x-RCx					
202W-JB-x 202W-JB-x-RCx					
203-JB-x 203-JB-x-RCx	17"	19 ⁵ /8"	22 ¹¹ / ₁₆ "		
203F-JB-x 203F-JB-x-RCx	17	19 /8	22 /16		
204-JB-x 204-JB-x-RCx					
202-JB-x-HD-ADJ SP202-JB-x-HD-ADJ	14"	15 ¹ /8"	18 ½"		
202W-JB-x-HD-ADJ	17"	18 1/8"	21 ½"		

Underfloor Duct Raceway Aftersets and Marker Caps

	Flush Insert Duct			Description	Catalog Number
				1 1/2" Insert Height	DAIFA-1G-15
			1-Gang	2" Insert Height	DAIFA-1G-2
				3" Insert Height	DAIFA-1G-3
t ë		Dravides masse to add activation inserts in the field		1 1/2" Insert Height	DAIFA-2G-15
Afterset Insert		Provides means to add activation inserts in the field where needed prior to concrete pour. 14 gauge steel.	2-Gang	2" Insert Height	DAIFA-2G-2
₹ =		mare reseased prior to some site pour 11 gauge steem		3" Insert Height	DAIFA-2G-3
				1 1/2" Insert Height	DAIFA-3G-15
			3-Gang	2" Insert Height	DAIFA-3G-2
				3" Insert Height	DAIFA-3G-3
ē	•	 Marker caps are used in place of standard insert caps in (a	a)	Insert Marker Cap:	
Marker Cap		each insert adjacent to junction box, (b) inserts on each side	Zinc Screw	FA-DMC-Z	
Σ		permanent wall, and (c) the last insert in each run of duct.		Brass Screw	FA-DMC-B
Compart- ment Cover		Used for abandoning preset opening (one per gang). 18 gas Customer is required to fill void over top of plate with conc	Blank Cover	FA-MC	

		Round Insert Duct	(Reducing Bushings Provided By Others)	Description	Catalog Number
Afterset Insert	8		2 " Insert Height	DAI-2	
	ıser		Provides means to add activation inserts in the field where needed prior to or after concrete pour. Zinc die cast.	3 " Insert Height	DAI-3
	-			4 " Insert Height	DAI-4
e			Marker caps are used in place of standard insert caps in (a) each insert adjacent to junction box, (b) inserts on each side of a	Insert Marker Cap:	
Marker Cap	Cap			Zinc Screw	DMC-Z
		permanent wall, and (c) the last insert in each run of duct.	Brass Screw	DMC-B	



Underfloor Duct Raceway Activation Kits



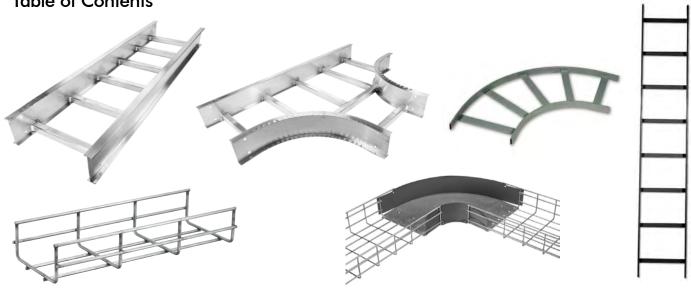
- Available in brass and brushed aluminum to meet aesthetic requirements
- Available in one, two and three-gang options
- Available with beveled edges. Consult factory for details
- ScrubShield® Complies with UL514A scrub water requirements
- Flanged design may be used in tile, wood, carpet, terrazzo and bare concrete applications
- Uniform look when used in same areas where Hubbell floor boxes are installed
- Blank Closure Plates are available to close off insert opening when abandoning Activation Kits. Plates are available in single, double and triple-gang configurations in brass, aluminum and stainless steel. Consult factory for additional information.

	Flush Insert Underfloor Duct	Finish	1-Gang 6" x 4.85"	2-Gang 6" x 8.13"	3-Gang 6" x 11.34"	
	Flanges are provided with adapter plates and	Brass	SB3083W-UFD	SB3084W-UFD	SB3085W-UFD	
Flanges	accessories required for	Aluminum	SA3083W-UFD	SA3084W-UFD	SA3085W-UFD	
Flan	installing to rectangular Underfloor Duct preset inserts and aftersets.		5			
			Duplex Flap	Duplex Screw	Style Line Decorator Opening	Combination 2½" x ³ /4"
		Brass	S3825	S3625	S3826	S2425
	All Covers 4.15" x 2.99"	Aluminum	SA3825	SA3625	SA3826	SA2425
Covers						
Co			Combination 21/8" x 1"	2 ¹ / ₈ " Single Receptacle	2 ³ /8" Single Receptacle	Blank
		Brass	S2625	S2825	S3425	S3813
		Aluminum	SA2625	_	_	SA3813
						4 4

	Round Insert Underfloor Duct							
sing	brushed	t aluminum frame, aluminum housing, ipple, without	1" Chase Nipple	SC3099A		A		
Housing	plates	ippie, wareat	34" Chase Nipple	SC3098A				
S		Duplex Receptacle	Single Receptacle 1.39" (35.3 mm) opening	Style Line Decorator	Blank	Telephone bushing 1 in. I.D. and (2) ³ /8" KO for coax	Furniture Feed aluminum plate with ³ /4" trade size KO	Furniture Feed aluminum plate, blank
Plates		SS309D	SS309S	SS309DS	SS309B	SS309T	SS309SF	SS309BF
₫		.00.			, ,	5000	, ,	•

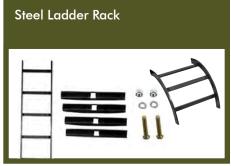
SECTION U

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Innovative, Flexible, Field-Configurable Wire Basket Solutions

Support Broad Range of Applications

Hubbell Wiring Systems offers a comprehensive Wire Basket Tray System to handle every application. From pre-galvanized solutions for commercial controlled interior environments to stainless steel versions for industrial applications such as food processing, marine and highly corrosive environments. Hubbell also features labor savings options including No-Splice supports which also reduce material cost and preformed fittings which offer tremendous productivity enhancement to the installer by eliminating field cuts that are required when fittings are configured in the field. Hubbell also offers painted trays in virtually any color needed. The painted tray is masked to reduce on-site paint removal saving time and money. Hubbell Wire Basket Tray Systems are available in overhead and raised floor designs. Complete shipments, job site location palletization and markings, and product customization make Hubbell the choice for every wire basket tray installation.

Customer Support and Technical Assistance

Hubbell's knowledgeable sales team is just a call away for assistance in selecting the proper type basket tray for any application or providing design assistance including developing a bill of material.

Pre-Galvanized Finish is Environmentally Friendly

The standard finish for Hubbell Basket Tray is pre-galvanized which is a significantly more environmentally friendly manufacturing process as compared to galvanizing dip. Pre-galvanizing applies a zinc galvanization to the wire PRIOR to fabrication. The galvanized wire(s) then welded and formed into the appropriate basket tray size. Hubbell's pre-galvanized finish performs the same as post-zinc plated production finish while avoiding secondary chemical processing.

Sustainable Approach

Hubbell utilizes a sustainable approach to assist in maintaining the environment. Our wire basket tray systems utilize 100% recycled steel content in the manufacturing of our tray, and are packaged in kraft unbleached packaging. Packaging and strapping materials are recyclable. MillCerts are available upon request to assist in documenting recycled content for possible LEED credits.



Pre-Galvanized

- Wire is galvanized prior to fabrication
- Applications
 - Commercial
 - Controlled Interiors
- Specification, ASTM A641



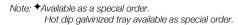
Stainless Steel ◆

- Type 304L and 316S
- Applications
 - Industrial
 - Marine
 - Food Processing
 - Outdoor
- Specification, ASTM A580



Painted Finishes

- Powder coat; Black is available as standard, other colors available as special order
- Applications
 - Data Center
 - Controlled Interiors
- Specification, N/A





Electroplated Zinc ◆

- Tray is galvanized after fabrication
- Applications
 - Commercial
 - Controlled Interiors
- Specification, ASTM B633

Round Cross-Wire Basket Tray



Features

- T-weld construction prevents snags
- 5mm round wire minimum
- High load rating
- Easy to cut and fabricate fittings in the field
- 100% recycled steel
- 2" x 4" mesh opening

- Use factory support hardware or fabricate supports at the job site
- Painted tray includes factory installed masking to ensure proper grounding at splices; no need to remove paint during installation

Field Configurable Fittings

90° Sweep Elbow
Use appropriate
quantity of splice kits

Tee Fitting
Use one HBTCS
corner splice
per each

Supports and Hardware

10 Feet per Length			Tray Weight	Splice Q	uantity*		Finish
118.3" (3m)	T 14" III	Load	per Length	90° Sweep	Straight	D 01 : 1	DI 1 D 1 O 1
10 pc. min. order qty. 2" Deep Tray	Tray Width 4" (102)	(Lb/ft) 45	(Lb)	Elbow 2	Splice 2	Pre-Galvanized HBT0204	Black Powder Coat HBT0204BK
. ,		50	9	3	4	HBT0206	HBT0206BK
	6" (152)	52	10.5	4	4	HBT0208	HBT0208BK
	8" (203)	58	12	6	4	HBT0212	HBT0212BK
	12" (305)	70	15	7	4	HBT0216	HBT0216BK
2.38"	16" (406)	70	23	9	4	HBT0218	HBT0218BK
(60)	18" (457)	73	25	9	5	HBT0210	HBT0220BK
■	20" (508) • 22" (559)	73	27	12	5	HBT0222	HBT0222BK
		75	31	12	5	HBT0224	111111111111111111111111111111111111111
	24" (610) • 26" (660)		33	13	6	-	HBT0224BK
		73	35	14	6	HBT0226	HBT0226BK
	28" (711)		38	15	-	HBT0228	HBT0228BK
	30" (762)	70			6	HBT0230	11210200211
4" Deep Tray	32" (813)	70	39	16	6	HBT0232	HBT0232BK
+ Doop Hay	4" (102)	49	12	2	4	HBT0404	HBT0404BK
	6" (152) •	49	13	3	5	HBT0406	HBT0406BK
	8" (203) •	78	15	4	6	HBT0408	HBT0408BK
—	12" (305) •	78	23	6	6	HBT0412	HBT0412BK
4" (102)	16" (406) •	108	27	7	7	HBT0416	HBT0416BK
(102)	18" (457) •	116	29	9	7	HBT0418	HBT0418BK
←	20" (508) •	116	31	9	7	HBT0420	HBT0420BK
	22" (559)	116	33	12	8	HBT0422	HBT0422BK
	24" (610) •	116	35	12	8	HBT0424	HBT0424BK
	28" (711)	108	39	14	9	HBT0428	HBT0428BK
6" Deep Tray	8" (203) •	116	23	4	6	HBT0608	HBT0608BK
	12" (305) •	123	27	6	6	HBT0612	HBT0612BK
ı ı-	16" (406) •	123	31	7	7	HBT0616	HBT0616BK
6"	18" (457) •	127	33	9	7	HBT0618	HBT0618BK
(152)	20" (508) •	127	35	9	7	HBT0620	HBT0620BK
	22" (559) •	127	37	12	8	HBT0622	HBT0622BK
	24" (610) •	150	39	12	8	HBT0624	HBT0624BK
8" Deep Tray	8" (203) •	116	27	4	8	HBT0808	HBT0808BK
	12" (305) •	116	31	6	8	HBT0812	HBT0812BK
8"	16" (406)	116	35	7	9	HBT0816	HBT0816BK
(208)	18" (457)	116	37	9	9	HBT0818	HBT0818BK
	` ,	116	39	9	9	HBT0820	HBT0820BK
W Note: ●UL Classified as ed	20" (508) •					HBT0820	HBT0820BK

.1969" Dia.
"Round" Wire Design

Ordering Information See page U-12

Wire Diameter

Note: •UL Classified as equipment ground conductor (painted tray cUL Classified only).

All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).

*See page U-13 for details and page U-14 for wire fill and maximum load chart.

HBT0202 (2x2 tray) available as special order. MOQ 40 pcs. Top wire utilizes side weld.

Electroplated Zinc Round Cross-Wire Basket Tray



Features

- T-weld construction prevents snags
- 5mm round wire minimum
- High load rating
- Easy to cut and fabricate fittings in the field
- 2" x 4" mesh opening

- Use factory support hardware or fabricate supports at the job site
- Electroplated zinc galvanized (post plated) made from cabon steel and plated to ASTM B 633, Type III, SC-1

Field Configurable Fittings



90° Sweep Elbow

Use appropriate quantity of splice kits



Tee Fitting

Use one HBTCS corner splice per each

Supports and Hardware



Wire Diameter



.1969" Dia. "Round" Wire Design

10 Feet per Length			Tray Weight	Splice (Quantity*	Finish
118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	per Length (Lb)	90° Sweep Elbow	Straight Splice	Electroplated Zinc
2" Deep Tray	4" (102)	45	7	2	2	HBT0204ZP
	6" (152) •	50	9	3	4	HBT0206ZP
	8" (203) •	52	10.5	4	4	HBT0208ZP
	12" (305) •	58	12	6	4	HBT0212ZP
	16" (406) •	70	15	7	4	HBT0216ZP
2.38" (60)	18" (457)	70	23	9	4	HBT0218ZP
W (60)	20" (508) •	73	25	9	5	HBT0220ZP
VV	22" (559)	73	27	12	5	HBT0222ZP
	24" (610) •	75	31	12	5	HBT0224ZP
	26" (660)	73	33	13	6	HBT0226ZP
	28" (711)	73	35	14	6	HBT0228ZP
	30" (762)	70	38	15	6	HBT0230ZP
	32" (813)	70	39	16	6	HBT0232ZP
4" Deep Tray	4" (102)	49	12	2	4	HBT0404ZP
	6" (152) •	49	13	3	5	HBT0406ZP
	8" (203) •	78	15	4	6	HBT0408ZP
	12" (305) •	78	23	6	6	HBT0412ZP
4" (102)	16" (406) •	108	27	7	7	HBT0416ZP
(102)	18" (457) •	116	29	9	7	HBT0418ZP
→	20" (508) •	116	31	9	7	HBT0420ZP
	22" (559)	116	33	12	8	HBT0422ZP
	24" (610) •	116	35	12	8	HBT0424ZP
	28" (711)	108	39	14	9	HBT0428ZP
6" Deep Tray	8" (203) •	116	23	4	6	HBT0608ZP
	12" (305) •	123	27	6	6	HBT0612ZP
6"	16" (406) •	123	31	7	7	HBT0616ZP
(152)	18" (457) •	127	33	9	7	HBT0618ZP
	20" (508) •	127	35	9	7	HBT0620ZP
W	22" (559) •	127	37	12	8	HBT0622ZP
	24" (610) •	150	39	12	8	HBT0624ZP
8" Deep Tray ■ —	8" (203) •	116	27	4	8	HBT0808ZP
	12" (305) •	116	31	6	8	HBT0812ZP
8" (208)	16" (406) •	116	35	7	9	HBT0816ZP
	18" (457) •	116	37	9	9	HBT0818ZP
→ W	20" (508) •	116	39	9	9	HBT0820ZP

Note: •UL Classified/cUL Classified as equipment ground conductor.

All dimensions are +/- 0.25".

*See page U-13 for details and page U-14 for wire fill and maximum load chart.

Flat Style Cross-Wire Basket Tray



Features

- Flat shaped cross-wires provide significantly more surface area to support weight of cables - Ideal for Cat 6 and 6A applications
- Flat ribs provide 400% more surface area and reduce stress on cables by 60%
- 100% recycled steel

- 2" x 4" mesh opening
- Reduction in stress helps maintain Cat 6 and Cat 6A performance
- Cuts and configures the same as round wire tray
- Uses the same splicing and mounting hardware as round wire tray

10 Feet per Length			Tray Weight	Splice Q			Finish
118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	per Length (Lb)	90° Sweep Elbow	Straight Splice	Pre-Galvanized	Black Powder Coat
2" Deep Tray	4" (102)	45	7	2	2	HBT0204S	HBT0204SBK
	6" (152) •	50	9	3	4	HBT0206S	HBT0206SBK
	8" (203)	52	10.5	4	4	HBT0208S	HBT0208SBK
	12" (305) •	58	12	6	4	HBT0212S	HBT0212SBK
	16" (406) •	70	15	7	4	HBT0216S	HBT0216SBK
2.38" (60)	18" (457) •	70	23	9	4	HBT0218S	HBT0218SBK
₩	20" (508) •	73	25	9	5	HBT0220S	HBT0220SBK
VV	22" (559)	73	27	12	5	HBT0222S	HBT0222SBK
	24" (610) •	75	31	12	5	HBT0224S	HBT0224SBK
	26" (660)	73	33	13	6	HBT0226S	HBT0226SBK
	28" (711)	73	35	14	6	HBT0228S	HBT0228SBK
	30" (762)	70	38	15	6	HBT0230S	HBT0230SBK
	32" (813)	70	39	16	6	HBT0232S	HBT0232SBK
4" Deep Tray	4" (102)	49	12	2	4	HBT0404S	HBT0404SBK
	6" (152) •	49	13	3	5	HBT0406S	HBT0406SBK
	8" (203) •	78	15	4	6	HBT0408S	HBT0408SBK
	12" (305) •	78	23	6	6	HBT0412S	HBT0412SBK
4"	16" (406) •	108	27	7	7	HBT0416S	HBT0416SBK
(102)	18" (457) •	116	29	9	7	HBT0418S	HBT0418SBK
▼	20" (508) •	116	31	9	7	HBT0420S	HBT0420SBK
	22" (559)	116	33	12	8	HBT0422S	HBT0422SBK
	24" (610) •	116	35	12	8	HBT0424S	HBT0424SBK
	28" (711)	108	39	14	9	HBT0428S	HBT0428SBK
6" Deep Tray	8" (203) •	116	23	4	6	HBT0608S	HBT0608SBK
	12" (305) •	123	27	6	6	HBT0612S	HBT0612SBK
6"	16" (406) •	123	31	7	7	HBT0616S	HBT0616SBK
(152)	18" (457) •	127	33	9	7	HBT0618S	HBT0618SBK
	20" (508) •	127	35	9	7	HBT0620S	HBT0620SBK
W	22" (559) •	127	37	12	8	HBT0622S	HBT0622SBK
	24" (610) •	150	39	12	8	HBT0624S	HBT0624SBK
3" Deep Tray ■—	8" (203) •	116	27	4	8	HBT0808S	HBT0808SBK
	12" (305) •	116	31	6	8	HBT0812S	HBT0812SBK
8" (208)	16" (406) •	116	35	7	9	HBT0816S	HBT0816SBK
(200)	18" (457) •	116	37	9	9	HBT0818S	HBT0818SBK
─	20" (508)	116	39	9	9	HBT0820S	HBT0820SBK

Note: •UL Classified as equipment ground conductor (painted tray cUL Classified only).

All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).

*See page U-13 for details and page U-14 for wire fill and maximum load chart.

Field Configurable **Fittings** 90° Sweep Elbow Use appropriate quantity of splice kits Tee Fitting Use one HBTCS corner splice per each Supports and Hardware **Ordering Information** See page U-12

Cable Support Area



.03125 sq. inch "Flat" Wire Design (based on .125" dia. cable)

Stainless Steel Round Cross-Wire Basket Tray



Features

- Type 304L and 316S stainless steel
- Meets ASTM A580 specifications
- 4.5mm round wire minimum
- Stainless splice kits and ceiling supports are available

Applications

- Food processing
- Wash down areas
- Corrosive environments
- Outdoor installations
- Marine

Stainless Steel Accessories Available



HBTSKSS Splice Kits



HBTCSSS Corner Splice



HBTWSSS Washer Support



HBTNBSS 1/4" x 20 Nuts and Bolts

Ordering Information See page U-12

Splice Quantity* Round 10 Feet per Length Tray Weight 118.3" (3m) Load per Length 90° Sweep Straight 10 pc. min. order qty. Tray Width (Lb/ft) (Lb) Elbow Splice Type 304L Type 316S 2" Deep Tray 4" (102) 45 2 2 HBT0204S04 HBT0204S16 9 3 HBT0206S04 HBT0206S16 6" (152) 50 4 8" (203) 10.5 4 4 HBT0208S04 HBT0208S16 12" (305) 58 12 6 4 HBT0212S04 HBT0212S16 16" (406) 70 15 7 4 HBT0216S04 HBT0216S16 18" (457) 70 23 9 4 HBT0218S04 HBT0218S16 20" (508) 73 25 9 5 HBT0220S04 HBT0220S16 22" (559) 73 27 12 5 HBT0222S04 HBT0222S16 75 24" (610) 31 12 5 HBT0224S04 HBT0224S16 26" (660) 73 33 13 6 HBT0226S04 HBT0226S16 73 35 14 6 28" (711) HBT0228S04 HBT0228S16 HBT0230S04 HBT0230S16 30" (762) 70 38 15 32" (813) 70 39 16 6 HBT0232S04 HBT0232S16 4" Deep Tray 4" (102) 12 2 HBT0404S04 HBT0404S16 13 5 HBT0406S04 HBT0406S16 6" (152) 49 3 8" (203) 78 15 4 6 HBT0408S04 HBT0408S16 HBT0412S04 12" (305) 78 23 6 6 HRT0412S16 7 16" (406) 108 27 HBT0416S04 HBT0416S16 29 9 7 HBT0418S04 HBT0418S16 18" (457) 116 20" (508) 116 31 9 HBT0420S04 HBT0420S16 22" (559) 116 33 12 8 HBT0422S04 HBT0422S16 35 12 24" (610) 116 8 HBT0424S04 HBT0424S16 28" (711) 108 39 14 9 HBT0428S04 HBT0428S16 6" Deep Tray HBT0608S04 8" (203) 116 23 4 6 HBT0608S16 27 6 HBT0612S04 HBT0612S16 12" (305) 123 6 123 31 7 HBT0616S04 HBT0616S16 16" (406) 33 9 HBT0618S04 HBT0618S16 (152) 18" (457) 127 20" (508) 35 9 HBT0620S04 HBT0620S16 127 22" (559) 127 37 12 8 HBT0622S04 HBT0622S16 8 150 39 12 HBT0624S04 HBT0624S16 24" (610) 8" Deep Tray 8" (203) 4 116 27 8 HBT0808S04 HBT0808S16 12" (305) 116 31 6 8 HBT0812S04 HBT0812S16

Wire Diameter



.1772" Dia. "Round" Wire Design

Dimensions in Inches (mm)

Note: All dimensions are +/- 0.25".

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(208)

*See page U-13 for details and page U-14 for wire fill and maximum load chart.

16" (406)

18" (457)

20" (508)

116

116

116

35

37

39

7

9

9

9

9

HBT0816S04

HBT0818S04

HBT0820S04

HBT0816S16

HRT0818S16

HBT0820S16

Accessories for Under Floor Wire Basket Tray



Splice Hardware

Splice Hardware		
Description	Finish	Catalog Number
Kit, Pedestal (2) HBTUPC and (1) Cross bar	Pre-Galvanized	НВТИРК
C-Bracket 6" Tier 12" Tier	Pre-Galvanized Pre-Galvanized	HBTUCB6 HBTUCB12
U-Clamp, Pedestal (1) Clamp	Pre-Galvanized	HBTUPC
Tray Grounding Fasteners Washer supports HBTWS and ¼" - 20 self threading screws; 50 per box. Required when installing under floor wire basket tray.	Zinc Plated	HBTUGS
Intersection Supports For use with HBTUSUPP series support	Pre-Galvanized	HBTUFIT
Vertical Up	Pre-Galvanized	НВТИУИ

Note: See page 10 for L-brackets and C-brackets. See page 14 for wire fill and maximum load chart.

Saw Hor	se Supports	3
Support	Support	

2			
Support Height	Support Width	Finish	Catalog Number
4" (102)	22" (559)	Pre-Galvanized	HBTUSUPP4
6" (152)	22" (559)	Pre-Galvanized	HBTUSUPP6
8" (203)	22" (559)	Pre-Galvanized	HBTUSUPP8
10" (254)	22" (559)	Pre-Galvanized	HBTUSUPP10
12" (305)	22" (559)	Pre-Galvanized	HBTUSUPP12
14" (356)	22" (559)	Pre-Galvanized	HBTUSUPP14
16" (406)	22" (559)	Pre-Galvanized	HBTUSUPP16
18" (457)	22" (559)	Pre-Galvanized	HBTUSUPP18
20" (508)	22" (559)	Pre-Galvanized	HBTUSUPP20
22" (559)	22" (559)	Pre-Galvanized	HBTUSUPP22
24" (610)	22" (559)	Pre-Galvanized	HBTUSUPP24
26" (660)	22" (559)	Pre-Galvanized	HBTUSUPP26
28" (711)	22" (559)	Pre-Galvanized	HBTUSUPP28
30" (762)	22" (559)	Pre-Galvanized	HBTUSUPP30

Accessories for Wire Basket Tray, Preformed Fittings



1. Splicing hardware included



2. Attach first tray with washer support and 1/4"-20 nut and bolt



Installation Efficiency

Hubbell preformed fittings are time and cost effective solutions to installing 90 Degree Radius, Tees and Intersections, no cutting and no configuring. Hubbell offers Pre-galvanized or Black powder painted finishes. The fittings simply attach at the Intersections Tees or junctions when you want a radius bend. The fittings are manufactured precisely to the basket tray being utilized providing a clean engineered solution.

Installation of Hubbell preformed fittings can reduce installation configurations from hours to a few minutes. Labor and time savings can exceed 90% versus traditional cutting and splicing. Preformed fittings ensure a consistent installation every time and also avoids the sharp wire edges caused during the cutting process. Standard Hubbell preformed fittings consist of a pregalvanized base with black polymer sides* and splicing hardware.

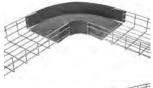
*Steel wall preform fittings are available.



4. Attach second tray

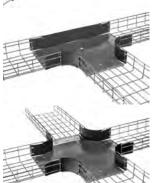


5. Install side walls



90 Degree Radius

Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
2 x 8	7 Minutes	1 Minute	85%
4 x 12	20 Minutes	2 Minutes	90%



Tee

Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
4 x 12	8 Minutes, 45 seconds	2 Minutes, 30 seconds	70%
4 x 18	10 Minutes	2 Minutes, 30 seconds	74%

Intersection

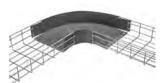
Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
6 x 24	29 Minutes	4 Minutes, 45 seconds	83%

Accessories for Wire Basket Tray, Preformed Fittings

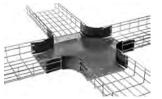


Features

- Labor and time savings
- Consistent installations
- For round and flat tray
- Steel pre-galvanized bases
- Interlocking polymer side walls
- Splicing hardware included
- Available with steel side walls









Tray Size	Tray Width	90 Degree	Tee	Intersection	45 Degree	30 Degree
2" (51) Deep	4"(102)	HBTR0204	HBTT0204	HBTI0204	HBT450204	HBT300204
	6"(152)	HBTR0206	HBTT0206	HBTI0206	HBT450206	HBT300206
	8"(203)	HBTR0208	HBTT0208	HBTI0208	HBT450208	HBT300208
	12"(305)	HBTR0212	HBTT0212	HBTI0212	HBT450212	HBT300212
	16"(406)	HBTR0216	HBTT0216	HBTI0216	HBT450216	HBT300216
	18"(457)	HBTR0218	HBTT0218	HBTI0218	HBT450218	HBT300218
	20"(508)	HBTR0220	HBTT0220	HBTI0220	HBT450220	HBT300220
	24"(610)	HBTR0224	HBTT0224	HBTI0224	HBT450224	HBT300224
4" (102) Deep	4"(102)	HBTR0404	HBTT0404	HBTI0404	HBT450404	HBT300404
	6"(152)	HBTR0406	HBTT0406	HBTI0406	HBT450406	HBT300406
	8"(203)	HBTR0408	HBTT0408	HBTI0408	HBT450408	HBT300408
	12"(305)	HBTR0412	HBTT0412	HBTI0412	HBT450412	HBT300412
	16"(406)	HBTR0416	HBTT0416	HBTI0416	HBT450416	HBT300416
	18"(457)	HBTR0418	HBTT0418	HBTI0418	HBT450418	HBT300418
	20"(508)	HBTR0420	HBTT0420	HBTI0420	HBT450420	HBT300420
	24"(610)	HBTR0424	HBTT0424	HBTI0424	HBT450424	HBT300424
6" (152) Deep	8"(203)	HBTR0608	HBTT0608	HBTI0608	HBT450608	HBT300608
	12"(305)	HBTR0612	HBTT0612	HBTI0612	HBT450612	HBT300612
	16"(406)	HBTR0616	HBTT0616	HBTI0616	HBT450616	HBT300616
	18"(457)	HBTR0618	HBTT0618	HBTI0618	HBT450618	HBT300618
	20"(508)	HBTR0620	HBTT0620	HBTI0620	HBT450620	HBT300620
	24"(610)	HBTR0624	HBTT0624	HBTI0624	HBT450624	HBT300624

Note: Add **BK** suffix for black base. Add **SW** suffix for steel side walls.

Accessories for Wire Basket Tray - Supports and Brackets







Supports**

	Center Support		Ceiling Support		Trapeze Support			
Tray Width	Qty. per Box	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat	Qty. per Box	Zinc Plated	Black Powder Coat
4" (102)	1	HBTCTRS4	HBTCTRS4BK	_	_	50	HBTTS	HBTTSBK
6" (152)	1	HBTCTRS6	HBTCTRS6BK	_	_		Attaches to the si	, ,
8" (203)	1	HBTCTRS8	HBTCTRS8BK	_	_		for tray sizes 16" wide and smaller;	
12" (305)	1	HBTCTRS12	HBTCTRS12BK	HBTCLGS12	HBTCLGS12BK		use in pairs every 6 feet for 4" and 6" trays; can be staggered every 5 feet.	
16" (406)	1	HBTCTRS16	HBTCTRS16BK	HBTCLGS16	HBTCLGS16BK		ladyo, carried stage	gorod every e leet.
18" (457)	1	HBTCTRS18	HBTCTRS18BK	HBTCLGS18	HBTCLGS18BK			
20" (508)	1	HBTCTRS20	HBTCTRS20BK	HBTCLGS20	HBTCLGS20BK			
24" (610)	1	HBTCTRS24	HBTCTRS24BK	HBTCLGS24	HBTCLGS24BK			







Brackets**

		L-Brack	et	C	C-Bracket		Shelf Support	
Tray Width	Qty. per Box	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat	
4" (102)	1	HBTLB4	HBTLB4BK	НВТСВ4	НВТСВ4ВК	HBTSS4	HBTSS4BK	
6" (152)	1	HBTLB6	HBTLB6BK	_	_	HBTSS6	HBTSS6BK	
8" (203)	1	HBTLB8	HBTLB8BK	НВТСВ8	НВТСВ8ВК	HBTSS8	HBTSS8BK	
12" (305)	1	HBTLB12	HBTLB12BK	HBTCB12	HBTCB12BK	HBTSS12	HBTSS12BK	
16" (406)	1	HBTLB16	HBTLB16BK	_	_	HBTSS16	HBTSS16BK	
18" (457)	1	HBTLB18	HBTLB18BK	HBTCB18	HBTCB18BK	HBTSS18	HBTSS18BK	
20" (508)	1	HBTLB20	HBTLB20BK	_	_	HBTSS20	HBTSS20BK	
24" (610)	1	HBTLB24	HBTLB24BK	_	_	HBTSS24	HBTSS24BK	

Note: **Install every 6 feet.

Accessories for Wire Basket Tray - Covers and Inserts

Black Polymer Inserts with Sides*

Provides a solid bottom and sides for tray - order in 10 foot increments

Tray Width	2" (51) Deep	4" (102) Deep	6" (152) Deep
4" (102)	HBTFRMINS0204BK	HBTFRMINS0404BK	_
6" (152)	HBTFRMINS0206BK	HBTFRMINS0406BK	_
8" (203)	HBTFRMINS0208BK	HBTFRMINS0408BK	HBTFRMINS0608BK
12" (305)	HBTFRMINS0212BK	HBTFRMINS0412BK	HBTFRMINS0612BK
16" (406)	HBTFRMINS0216BK	HBTFRMINS0416BK	HBTFRMINS0616BK
18" (457)	HBTFRMINS0218BK	HBTFRMINS0418BK	HBTFRMINS0618BK
20" (508)	HBTFRMINS0220BK	HBTFRMINS0420BK	HBTFRMINS0620BK
24" (610)	HBTFRMINS0224BK	HBTFRMINS0424BK	HBTFRMINS0624BK



Note: *For white insert, replace **BK** with **WHT**.

Polymer Inserts

Provides a solid bottom for tray - order in 10 foot increments

Tray Width	Length	White	Black
4" (102)	118" (3000)	HBTINSNM04WHT	HBTINSNM04
6" (152)	118" (3000)	HBTINSNM06WHT	HBTINSNM06
8" (203)	118" (3000)	HBTINSNM08WHT	HBTINSNM08
12" (305)	118" (3000)	HBTINSNM12WHT	HBTINSNM12
16" (406)	118" (3000)	HBTINSNM16WHT	HBTINSNM16
18" (457)	118" (3000)	HBTINSNM18WHT	HBTINSNM18
20" (508)	118" (3000)	HBTINSNM20WHT	HBTINSNM20
24" (610)	118" (3000)	HBTINSNM24WHT	HBTINSNM24
	1		

Galvanized Steel Inserts

Provides a solid bottom for tray - 5 feet length per piece;

1 piece per bo	OX		
Tray Width	Length	Pre-Galvanized	Black Powder Coat
4" (102)	59" (1500)	HBTINSM04	HBTINSM04BK
6" (152)	59" (1500)	HBTINSM06	HBTINSM06BK
8" (203)	59" (1500)	HBTINSM08	HBTINSM08BK
12" (305)	59" (1500)	HBTINSM12	HBTINSM12BK

16" (406) 59" (1500) HBTINSM16 HBTINSM16BK 18" (457) HBTINSM18 HBTINSM18BK 59" (1500) 20" (508) 59" (1500) HBTINSM20 HBTINSM20BK 24" (610) 59" (1500) HBTINSM24 HBTINSM24BK

Galvanized Steel Covers

Top cable and wire protector - 5 feet length per piece; 1 piece per box

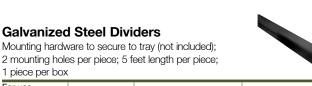


Tray Width	Length	Pre-Galvanized	Black Powder Coat
4" (102)	59" (1500)	HBTCVR4	HBTCVR4BK
6" (152)	59" (1500)	HBTCVR6	HBTCVR6BK
8" (203)	59" (1500)	HBTCVR8	HBTCVR8BK
12" (305)	59" (1500)	HBTCVR12	HBTCVR12BK
16" (406)	59" (1500)	HBTCVR16	HBTCVR16BK
18" (457)	59" (1500)	HBTCVR18	HBTCVR18BK
20" (508)	59" (1500)	HBTCVR20	HBTCVR20BK
24" (610)	59" (1500)	HBTCVR24	HBTCVR24BK

Galvanized Termination Support

Secures end of tray to wall and can serve as blank end fitting; 1 piece per box

Tray Width	Length	Pre-Galvanized	Black Powder Coat
6" (152)	6.4" (163)	HBTTS6	HBTTS6BK
8" (203)	8" (203)	HBTTS8	HBTTS8BK
12" (305)	11.2" (284)	HBTTS12	HBTTS12BK
16" (406)	16" (406)	HBTTS16	HBTTS16BK
18" (457)	17.6" (447)	HBTTS18	HBTTS18BK
20" (508)	19.2" (488)	HBTTS20	HBTTS20BK
24" (610)	24" (610)	HBTTS24	HBTTS24BK



For use with Tray	Length	Pre-Galvanized	Black Powder Coat
2" (51) Deep	60" (1524)	HBTDIV2	HBTDIV2BK
4" (102) Deep	60" (1524)	HBTDIV4	HBTDIV4BK
6" (152) Deep	60" (1524)	HBTDIV6	HBTDIV6BK
8" (203) Deep	60" (1524)	HBTDIV8*	HBTDIV8BK*

Note: *Minimum order quantity = 40 pieces.



Accessories for Wire Basket Tray, Supports and Fittings

Description	Tray Width	Finish	Catalog Number
Radius Down Increases cable protection and cable bend control; 1 per box	4" (102) 6" (152) 12" (305)	Black Black Black	HBTRD4BK HBTRD6BK HBTRD12BK
Exit Radius Down* Top tray attachment, increases cable protection and cable bend control; 1 per box	4X4 Minimum Tray Size	Black	HBTEXTROBK
Vertical Down Protects cables when dropping from the end or side of tray; 1 per box	7¾" (102)	Zinc Plated Black	HBTVD HBTVDBK
Label Clip Attachment for all size 1 per box	es of tray;	White	HBTLC
Cable Guide* Maintains cable ben and acts as a divide straight sections and 1 per box	er for	Black	НВТСG
Electrical Box Bra Attaches electrical be side of tray; 1 per b	oox to	Pre-Galvanized Black	HBTEB HBTEBBL
Sidecar Attaches to outside provides additional support, 2" deep; 1	cable	Pre-Galvanized Black	HBTSC HBTSCBK
Splice Kit 3 piece staked bolt/w nut combination; splic sections and field form 50 pieces per box	es straight	Zinc Plated Black Stainless Steel	HBTSK HBTSKBK HBTSKSS
Bar Splice Slotted bar 1115/16" I Splices straight sect fittings; bend to for reducers; adds rigid splices; 50 pieces p	tions and n tray lity to tray	Zinc Plated Black Stainless Steel	HBTBS HBTBSBK HBTBSSS
Corner Splice (2) 90° splice bars ar (8) sets of the splice Splice Fittings Rer Use one per each Te	kit quired: ee Fitting;	Zinc Plated Black Stainless Steel	HBTCS HBTCSBK HBTCSSS
Use two per each Cr Washer Supports Splices straight sect fittings and can also as a hold down met tray to strut (nut and provided separately); 50 pieces per box	tions and be used thod for d bolt	Zinc Plated Black Stainless Steel	HBTWS HBTWSBK HBTWSSS
Self Tapping Screwith Supports 1/4" - 20 self tapping HBTWS; 50 pieces	screw and	Zinc Plated	HBTUGS

Description	Finish	Catalog Number
Fitting Attachment Fills the gap in tray when creating fittings in 2" tray	Pre-Galvanized Black	HBTFA2 HBTFA2BK
or 4"/6" tray	Pre-Galvanized Black	HBTFA46 HBTFA46BK
Rack Attachment Attaches tray directly to the top of a standard rack	Zinc Plated Black	HBTRA HBTRABK
Conduit Attachment Connects conduit to tray (¾", 1" and 11¼" conduit)	Pre-Galvanized Black	HBTCA3 HBTCA3BK
Nut and Bolt Sets 1/4" - 20 nut and bolt sets; 50 pieces per box	Zinc Plated Stainless Steel	HBTNB HBTNBSS
Cable Drop Outs Black polymer inserts; Installed into the bottom of the basket tray to reduce pinch points and maintain a radius bend on the exiting cables	Black	нвтсовк
Large Cable Drop Outs Black polymer inserts; Installed into the bottom of the basket tray to reduce pinch points and maintain a radius bend on the exiting cables (tray requires cutting to install)	Black	НВТСD4X4ВК
Strut Clips Used to hold down basket tray when used with any standard industry strut supports;	Pre-Galvanized	HBTSTRUTCLIP
50 pieces per box	• 16" - 18" trays	naller use 2 clips per strut support use 3 clips per strut support dd one clip per strut support for y width
Grounding Split Bolts	Copper Alloy	HBTSPLITBOLTPK10
These are sold in packs of 10. Bolts are used for supplemental grounding. One bolt is installed per section of basket tray.		

The installer must supply



Note: *Mounting hardware included.

Technical Support - Cutting and Forming Fittings

Cutting Wire Basket Tray

- Always make field cuts with the side action angle cutting tool.
- Cuts can be made on any finish, width or depth basket tray.
- Cut as many segments required for sweep elbows (see Splice Quantity column on product pages).
- Remove any sharp edges to eliminate possible damage to cables.





(Side action cutter)

Cutting Tool

Description	Weight (Lb/each)	Qty. per Box	Catalog Number
Manual offset angled cutting tool, 24" leveraged handle	6.0	1	HBTCUTTOOL



How to Form a 90 Degree Flat Sweep Elbow

- Determine which wires must be cut for the type of fitting or redirection required. This will usually be the side and bottom wires of every other mesh section.
- Turn the tray over and cut the bottom wires.
- Cut the top side wire.
- Cut the remaining side wires.
- This creates open gaps in the side wall and bottom of the tray.
- Bend the tray to form the desired elbow radius curve by closing the gaps.
- Install splice kits and hardware where the wedge-shaped sections come together.
- Splice kits provide the mechanical connection as well as electrical grounding continuity.







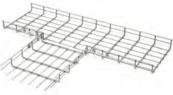
How to Form a Tee Fitting

- Determine the location of the horizontal "tee" fitting along the length of basket tray.
- Cut the side wires from the tray which shall be the horizontal tray section, to the same width as the perpendicular tray section.
- Do not cut the bottom wires.
- Align the perpendicular tray to the opening in the side of the horizontal tray.
- Position one angle bracket from the HBTCS corner splice kit on each side of the opening.
- Secure the angle brackets to the horizontal and perpendicular tray sections with splice kits (nut, bolt and washer) provided in the HBTCS corner splice kit.
- Support the tee fitting on all three sides of the "tee" using appropriate support method.





HBTCS Corner Splice See page U-12 for ordering information.



Wire Fill and Maximum Load Chart

Depth	Width	Area	Cat 5e (0.18" dia.) 50% Wire Fill	Cat 6 (0.23" dia.) 50% Wire Fill	Cat 6a (0.30" dia.) 50% Wire Fill	Max. Load (Lb/ft) (Supported at 6ft spacing)
2	4	8	157	96	57	45
2	6	12	236	144	85	50
2	8	16	315	193	113	52
2	12	24	472	289	170	58
2	16	32	629	385	226	70
2	18	36	708	433	255	70
2	20	40	786	482	283	73
2	22	44	865	530	311	73
2	24	48	944	578	340	75
2	26	52	1022	626	368	73
2	28	56	1101	674	396	73
2	30	60	1180	722	425	70
2	32	64	1258	771	453	70
4	4	16	315	193	113	49
4	6	24	472	289	170	49
4	8	32	629	385	226	78
4	12	48	944	578	340	78
4	16	64	1258	771	453	108
4	18	72	1415	867	510	116
4	20	80	1573	963	566	116
4	22	88	1730	1060	623	116
4	24	96	1887	1156	679	116
4	28	112	2202	1349	793	108
6	8	48	944	578	340	116
6	12	72	1415	867	510	123
6	16	96	1887	1156	679	123
6	18	108	2123	1300	764	127
6	20	120	2359	1445	849	127
6	22	132	2595	1589	934	127
6	24	144	2831	1734	1019	150
8	8	64	1258	771	453	116
8	12	96	1887	1156	679	116
8	16	128	2516	1541	906	116
8	18	144	2831	1734	1019	116
8	20	160	3145	1926	1132	116

Sizes UL Classified or cUL Classified as equipment ground conductor

2" Depth	4" Depth	6" Depth	8" Depth
2 x 6	4 x 6	6 x 8	8 x 8
2 x 8	4 x 8	6 x 12	8 x 12
2 x 12	4 x 12	6 x 16	8 x 16
2 x 16	4 x 16	6 x 18	8 x 20
2 x 18	4 x 18	6 x 20	
2 x 20	4 x 20	6 x 22	
2 x 24	4 x 24	6 x 24	

Note: Applicable to pre-galvanized and powder coat painted when spliced as recommended. Other non-UL sizes require external grounding conductor. Stainless steel is not UL listed.

Instructions to Achieve Ground

- Use Hubbell splice kits (HBTSK) to achieve proper grounding at all splices, joints and fittings.
- Grounding lugs and external ground wire are not required when **HBTSK** splice kits are utilized with steel tray. (Stainless steel tray requires external grounding conductor.)

Wire Basket Tray System

Technical Specifications

2.01 ACCEPTABLE MANUFACTURES

 Manufacturer: Subject to compliance with these specifications wire basket tray systems to be installed shall be Hubbell "HBT" series.

2.02 WIRE TRAY SECTIONS AND COMPONENTS

- Provide wire basket of types and sizes indicated with all required splicing and mounting hardware. Construct units with T-weld edges and smooth surfaces in compliance with applicable standards and with the following additional construction features.
 - A. All straight section longitudinal wires shall be constructed with a continuous top wire safety edge. Safety edge must be T-welded on all tray sizes.
 - B. Wire basket cross-wire to be constructed with either flat shaped wire design or with round wire design as directed by engineer.
 - Flat shaped cross wire design shall provide additional surface area for cable weight support and to avoid pressure points and strain on cables.
 - Round shaped cross wire design may be used in general purpose applications where cable weight and strain are not concerns.
- Materials and Finishes: Material and finish specifications for Carbon Steel Wire and Pre-Galvanized steel wire are as follows:
 - A. Pre-galvanized Zinc: Straight section shall be made from pre-galvanized steel meeting the minimum mechanical properties of ASTM A 641. Material must be cleaned after fabrication to remove any soot, manufacturing residue/oils or metallic particles.
 - B. Powder Coat: Straight sections shall be powder coated black with an average paint thickness of 1.2mils (30microns) to 3.0mils (75microns). Hubbell powder coat product is masked at splice points to allow conductive ground design; no field paint removal is required.
 - C. Stainless Steel: Straight sections and accessories shall be made from AISI Type 304L, 316L Stainless Steel (meeting the minimum mechanical properties of ASTM A 580).
 - D. Electro-Plated Zinc Galvanized (Post Plated) Made from Carbon Steel and plated to ASTM B 633, Type III, SC-1.
 - E. Hot Dip Galvanized: Plain steel (ASTM AS10) dip after fabricated and formed. ASTM A123.

- 3. Wire basket shall be made of high strength steel wires and formed into a standard 2-inch by 4-inch wire mesh pattern with intersecting wires welded together. All mesh sections must have at least one bottom longitudinal wire along entire length of straight section.
- 4. Wire basket sizes shall conform to the following nominal criteria:
 - A. Straight sections shall be furnished in standard 118" (3m) lengths.
 - B. Wire diameter shall be 0.195" (5mm) minimum on all mesh sections. Wire diameter shall be minimum size of 4.5mm on stainless steel.
 - C. Wire basket shall have a 2-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28), (30), (32) inches wide.
 - D. Wire basket shall have a 4-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28) inches wide.
 - E. Wire basket shall have a 6-inch usable loading depth by (8), (10), (12), (14), (16), (18), (20), (22), (24) inches wide.
 - F. Wire basket shall have an 8-inch usable loading depth by (8), (10), (12), (14), (16), (18), (20) inches wide.
- 5. All fittings shall be field formed from straight sections in accordance with manufacturer's instructions.
- 6. All Tray sections and splicing assemblies shall be UL/C-UL Classified as an Equipment Ground Conductor (EGC).
- 7. Wire mesh basket tray supports shall be ceiling trapeze type, center support, trapeze clips, or wall brackets as manufactured by Hubbell.
- 8. Special accessories shall be furnished as required to protect, support and install a wire basket support system.

Hubbell Wiring Aluminum Ladder Tray system is a highly effective indoor and outdoor cable and delivery distribution management solution that stands up to the largest distance demands and the toughest environments, providing optimum protection and accessibility for infrastructure components without sagging, or the need for secondary supports.

The Aluminum Ladder Tray is a modular system – Straight sections are 12 feet long, available in 4 or 6 inch heights and widths from 6 to 36 inches—allowing easy configuration planning for the unique topologies of every installation. The Hubbell Wiring Aluminum Ladder Tray System is UL Listed and meets or exceeds NEMA standard VE1. Hubbell Wiring offers a full line of complementary supports, brackets, dividers, fittings, hardware and other accessories.





Arc-Welded Rung Construction

- Full electrical continuity
- No loosening
- Superior structural performance



Pre-Drilled Splice Plate Mounting Holes

• Reduce on-site installation time



Radius Fittings

- Available in 12-, 24- or 36-inch radius
- All Radius fittings have a 3" flat surface beyond the radius



Splice Plates

 Included with all straight sections and fittings

Straight Sections



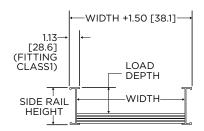
Features

- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- NEMA Class B or C
- Splice plates and hardware included*
- 12 foot sections with 9 inch rung spacing
- Rungs are welded to stringers for strength and continuity
- Use with Class 1 Fittings

Height	Width	NEMA Class	NEMA Safe Load (lb/ft)	AMP Rating	Catalog Number
	0.11	В	81	1000	LTB406
	6"	С	100	1000	LTC406
	0.11	В	81	1000	LTB409
	9"	С	100	1000	LTC409
	40"	В	81	1000	LTB412
	12"	С	100	1000	LTC412
	401	В	81	1000	LTB418
4"	18"	С	100	1000	LTC418
	0.48	В	81	1000	LTB424
	24"	С	100	1000	LTC424
	001	В	81	1000	LTB430
	30"	С	100	1000	LTC430
		В	81	1000	LTB436
	36"	С	100	1000	LTC436
	0.11	В	89	1200	LTB606
	6"	С	105	1200	LTC606
		В	89	1200	LTB609
	9"	С	105	1200	LTC609
		В	89	1200	LTB612
	12"	С	105	1200	LTC612
		В	89	1200	LTB618
6"	18"	С	105	1200	LTC618
	0.48	В	89	1200	LTB624
	24"	С	105	1200	LTC624
		В	89	1200	LTB630
	30"	С	105	1200	LTC630
		В	89	1200	LTB636
	36"	С	105	1200	LTC636

Note: 4" Rail Height has a Load Depth of 3". 6" Rail height has a Load Depth of 5". Total Width is Width +1.5".

*Included hardware is geomet-plated steel.



Fittings, Horizontal Elbows



Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063

- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

Height	Width	Radius	30 Degree	45 Degree	60 Degree	90 Degree
TIEIGIII		12"	LFHB3040612	LFHB4540612	LFHB6040612	LFHB9040612
	6"	24"	LFHB3040624	LFHB4540624	LFHB6040624	LFHB9040624
		36"	LFHB3040636	LFHB4540636	LFHB6040636	LFHB9040636
		12"	LFHB3040912	LFHB4540912	LFHB6040912	LFHB9040912
	9"	24"	LFHB3040924	LFHB4540924	LFHB6040924	LFHB9040924
		36"	LFHB3040936	LFHB4540936	LFHB6040936	LFHB9040936
		12"	LFHB3041212	LFHB4541212	LFHB6041212	LFHB9041212
	12"	24"	LFHB3041224	LFHB4541224	LFHB6041224	LFHB9041224
		36"	LFHB3041236	LFHB4541236	LFHB6041236	LFHB9041236
		12"	LFHB3041812	LFHB4541812	LFHB6041812	LFHB9041812
4"	18"	24"	LFHB3041824	LFHB4541824	LFHB6041824	LFHB9041824
		36"	LFHB3041836	LFHB4541836	LFHB6041836	LFHB9041836
		12"	LFHB3042412	LFHB4542412	LFHB6042412	LFHB9042412
	24"	24"	LFHB3042424	LFHB4542424	LFHB6042424	LFHB9042424
		36"	LFHB3042436	LFHB4542436	LFHB6042436	LFHB9042436
		12"	LFHB3043012	LFHB4543012	LFHB6043012	LFHB9043012
	30"	24"	LFHB3043024	LFHB4543024	LFHB6043024	LFHB9043024
		36"	LFHB3043036	LFHB4543036	LFHB6043036	LFHB9043036
		12"	LFHB3043612	LFHB4543612	LFHB6043612	LFHB9043612
	36"	24"	LFHB3043624	LFHB4543624	LFHB6043624	LFHB9043624
		36"	LFHB3043636	LFHB4543636	LFHB6043636	LFHB9043636
		12"	LFHB3060612	LFHB4560612	LFHB6060612	LFHB9060612
	6"	24"	LFHB3060624	LFHB4560624	LFHB6060624	LFHB9060624
		36"	LFHB3060636	LFHB4560636	LFHB6060636	LFHB9060636
		12"	LFHB3060912	LFHB4560912	LFHB6060912	LFHB9060912
	9"	24"	LFHB3060924	LFHB4560924	LFHB6060924	LFHB9060924
		36"	LFHB3060936	LFHB4560936	LFHB6060936	LFHB9060936
		12"	LFHB3061212	LFHB4561212	LFHB6061212	LFHB9061212
	12"	24"	LFHB3061224	LFHB4561224	LFHB6061224	LFHB9061224
		36"	LFHB3061236	LFHB4561236	LFHB6061236	LFHB9061236
		12"	LFHB3061812	LFHB4561812	LFHB6061812	LFHB9061812
6"	18"	24"	LFHB3061824	LFHB4561824	LFHB6061824	LFHB9061824
		36"	LFHB3061836	LFHB4561836	LFHB6061836	LFHB9061836
		12"	LFHB3062412	LFHB4562412	LFHB6062412	LFHB9062412
	24"	24"	LFHB3062424	LFHB4562424	LFHB6062424	LFHB9062424
		36"	LFHB3062436	LFHB4562436	LFHB6062436	LFHB9062436
		12"	LFHB3063012	LFHB4563012	LFHB6063012	LFHB9063012
	30"	24"	LFHB3063024	LFHB4563024	LFHB6063024	LFHB9063024
		36"	LFHB3063036	LFHB4563036	LFHB6063036	LFHB9063036
		12"	LFHB3063612	LFHB4563612	LFHB6063612	LFHB9063612
	36"	24"	LFHB3063624	LFHB4563624	LFHB6063624	LFHB9063624
		36"	LFHB3063636	LFHB4563636	LFHB6063636	LFHB9063636

^{*}Included hardware is geomet-plated steel.

Fittings, Vertical Inside Elbows



Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063

- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

Height	Width	Radius	30 Degree	45 Degree	60 Degree	90 Degree
Tioigni		12"	LFVI3040612	LFVI4540612	LFVI6040612	LFVI9040612
	6"	24"	LFVI3040624	LFVI4540624	LFVI6040624	LFVI9040624
		36"	LFVI3040636	LFVI4540636	LFVI6040636	LFVI9040636
		12"	LFVI3040912	LFVI4540912	LFVI6040912	LFVI9040912
	9"	24"	LFVI3040924	LFVI4540924	LFVI6040924	LFVI9040924
		36"	LFVI3040936	LFVI4540936	LFVI6040936	LFVI9040936
		12"	LFVI3041212	LFVI4541212	LFVI6041212	LFVI9041212
	12"	24"	LFVI3041224	LFVI4541224	LFVI6041224	LFVI9041224
		36"	LFVI3041236	LFVI4541236	LFVI6041236	LFVI9041236
		12"	LFVI3041812	LFVI4541812	LFVI6041812	LFVI9041812
4"	18"	24"	LFVI3041824	LFVI4541824	LFVI6041824	LFVI9041824
		36"	LFVI3041836	LFVI4541836	LFVI6041836	LFVI9041836
		12"	LFVI3042412	LFVI4542412	LFVI6042412	LFVI9042412
	24"	24"	LFVI3042424	LFVI4542424	LFVI6042424	LFVI9042424
		36"	LFVI3042436	LFVI4542436	LFVI6042436	LFVI9042436
		12"	LFVI3043012	LFVI4543012	LFVI6043012	LFVI9043012
	30"	24"	LFVI3043024	LFVI4543024	LFVI6043024	LFVI9043024
		36"	LFVI3043036	LFVI4543036	LFVI6043036	LFVI9043036
		12"	LFVI3043612	LFVI4543612	LFVI6043612	LFVI9043612
	36"	24"	LFVI3043624	LFVI4543624	LFVI6043624	LFVI9043624
		36"	LFVI3043636	LFVI4543636	LFVI6043636	LFVI9043636
		12"	LFVI3060612	LFVI4560612	LFVI6060612	LFVI9060612
	6"	24"	LFVI3060624	LFVI4560624	LFVI6060624	LFVI9060624
		36"	LFVI3060636	LFVI4560636	LFVI6060636	LFVI9060636
		12"	LFVI3060912	LFVI4560912	LFVI6060912	LFVI9060912
	9"	24"	LFVI3060924	LFVI4560924	LFVI6060924	LFVI9060924
		36"	LFVI3060936	LFVI4560936	LFVI6060936	LFVI9060936
		12"	LFVI3061212	LFVI4561212	LFVI6061212	LFVI9061212
	12"	24"	LFVI3061224	LFVI4561224	LFVI6061224	LFVI9061224
		36"	LFVI3061236	LFVI4561236	LFVI6061236	LFVI9061236
		12"	LFVI3061812	LFVI4561812	LFVI6061812	LFVI9061812
6"	18"	24"	LFVI3061824	LFVI4561824	LFVI6061824	LFVI9061824
ŭ	1.0	36"	LFVI3061836	LFVI4561836	LFVI6061836	LFVI9061836
		12"	LFVI3062412	LFVI4562412	LFVI6062412	LFVI9062412
	24"	24"	LFVI3062424	LFVI4562424	LFVI6062424	LFVI9062424
		36"	LFVI3062436	LFVI4562436	LFVI6062436	LFVI9062436
		12"	LFVI3063012	LFVI4563012	LFVI6063012	LFVI9063012
	30"	24"	LFVI3063012	LFVI4563024	LFVI6063024	LFVI9063012
		36"	LFVI3063024	LFVI4563036	LFVI6063036	LFVI9063024
		12"	LFVI3063612	LFVI4563612	LFVI6063612	LFVI9063612
	36"	24"	LFVI3063612	LFVI4563612 LFVI4563624	LFVI6063612	LFVI9063612
	30	36"	LFVI3063624 LFVI3063636	LFVI4563636	LFVI6063624 LFVI6063636	LFVI9063624 LFVI9063636

^{*}Included hardware is geomet-plated steel

Fittings, Vertical Outside Elbows



Feature

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063

- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

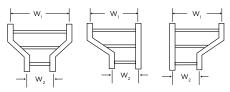
Height	Width	Radius	30 Degree	45 Degree	60 Degree	90 Degree
Treight		12"	LFVO3040612	LFVO4540612	LFVO6040612	LFVO9040612
	6"	24"	LFVO3040624	LFVO4540624	LFVO6040624	LFVO9040624
		36"	LFVO3040636	LFVO4540636	LFVO6040636	LFVO9040636
		12"	LFVO3040912	LFVO4540912	LFVO6040912	LFVO9040912
	9"	24"	LFVO3040924	LFVO4540924	LFVO6040924	LFVO9040924
		36"	LFVO3040936	LFVO4540936	LFVO6040936	LFVO9040936
		12"	LFVO3041212	LFVO4541212	LFVO6041212	LFVO9041212
	12"	24"	LFVO3041224	LFVO4541224	LFVO6041224	LFVO9041224
		36"	LFVO3041236	LFVO4541236	LFVO6041236	LFVO9041236
		12"	LFVO3041812	LFVO4541812	LFVO6041812	LFVO9041812
4"	18"	24"	LFVO3041824	LFVO4541824	LFVO6041824	LFVO9041824
		36"	LFVO3041836	LFVO4541836	LFVO6041836	LFVO9041836
		12"	LFVO3042412	LFVO4542412	LFVO6042412	LFVO9042412
	24"	24"	LFVO3042424	LFVO4542424	LFVO6042424	LFVO9042424
		36"	LFVO3042436	LFVO4542436	LFVO6042436	LFVO9042436
		12"	LFVO3043012	LFVO4543012	LFVO6043012	LFVO9043012
	30"	24"	LFVO3043024	LFVO4543024	LFVO6043024	LFVO9043024
		36"	LFVO3043036	LFVO4543036	LFVO6043036	LFVO9043036
		12"	LFVO3043612	LFVO4543612	LFVO6043612	LFVO9043612
	36"	24"	LFVO3043624	LFVO4543624	LFVO6043624	LFVO9043624
		36"	LFVO3043636	LFVO4543636	LFVO6043636	LFVO9043636
		12"	LFVO3060612	LFVO4560612	LFVO6060612	LFVO9060612
	6"	24"	LFVO3060624	LFVO4560624	LFVO6060624	LFVO9060624
		36"	LFVO3060636	LFVO4560636	LFVO6060636	LFVO9060636
		12"	LFVO3060912	LFVO4560912	LFVO6060912	LFVO9060912
	9"	24"	LFVO3060924	LFVO4560924	LFVO6060924	LFVO9060924
		36"	LFVO3060936	LFVO4560936	LFVO6060936	LFVO9060936
		12"	LFVO3061212	LFVO4561212	LFVO6061212	LFVO9061212
	12"	24"	LFVO3061224	LFVO4561224	LFVO6061224	LFVO9061224
		36"	LFVO3061236	LFVO4561236	LFVO6061236	LFVO9061236
		12"	LFVO3061812	LFVO4561812	LFVO6061812	LFVO9061812
6"	18"	24"	LFVO3061824	LFVO4561824	LFVO6061824	LFVO9061824
		36"	LFVO3061836	LFVO4561836	LFVO6061836	LFVO9061836
		12"	LFVO3062412	LFVO4562412	LFVO6062412	LFVO9062412
	24"	24"	LFVO3062424	LFVO4562424	LFVO6062424	LFVO9062424
		36"	LFVO3062436	LFVO4562436	LFVO6062436	LFVO9062436
		12"	LFVO3063012	LFVO4563012	LFVO6063012	LFVO9063012
	30"	24"	LFVO3063024	LFVO4563024	LFVO6063024	LFVO9063024
		36"	LFVO3063036	LFVO4563036	LFVO6063036	LFVO9063036
		12"	LFVO3063612	LFVO4563612	LFVO6063612	LFVO9063612
	36"	24"	LFVO3063624	LFVO4563624	LFVO6063624	LFVO9063624
		36"	LFVO3063636	LFVO4563636	LFVO6063636	LFVO9063636

^{*}Included hardware is geomet-plated steel.

Fittings, Reducers

Features

- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



Rail Height	Width 1	Width 2	Center	left	right
	9"	6"	LFRC40906	LFRL40906	LFRR40906
	101	6"	LFRC41206	LFRL41206	LFRR41206
	12"	9"	LFRC41209	LFRL41209	LFRR41209
		6"	LFRC41806	LFRL41806	LFRR41806
	18"	9"	LFRC41809	LFRL41809	LFRR41809
		12"	LFRC41812	LFRL41812	LFRR41812
		6"	LFRC42406	LFRL42406	LFRR42406
	0.41	9"	LFRC42409	LFRL42409	LFRR42409
	24"	12"	LFRC42412	LFRL42412	LFRR42412
		18"	LFRC42418	LFRL42418	LFRR42418
4"		6"	LFRC43006	LFRL43006	LFRR43006
		9"	LFRC43009	LFRL43009	LFRR43009
	30"	12"	LFRC43012	LFRL43012	LFRR43012
		18"	LFRC43018	LFRL43018	LFRR43018
		24"	LFRC43024	LFRL43024	LFRR43024
		6"	LFRC43606	LFRL43606	LFRL43606
		9"	LFRC43609	LFRL43609	LFRL43609
	36"	12"	LFRC43612	LFRL43612	LFRL43612
		18"	LFRC43618	LFRL43618	LFRL43618
		24"	LFRC43624	LFRL43624	LFRL43624
		30"	LFRC43630	LFRL43630	LFRL43630
	9"	6"	LFRC60906	LFRL60906	LFRR60906
	-	6"	LFRC61206	LFRL61206	LFRR61206
	12"	9"	LFRC61209	LFRL61209	LFRR61209
		6"	LFRC61806	LFRL61806	LFRR61806
	18"	9"	LFRC61809	LFRL61809	LFRR61809
		12"	LFRC61812	LFRL61812	LFRR61812
		6"	LFRC62406	LFRL62406	LFRR62406
		9"	LFRC62409	LFRL62409	LFRR62409
	24"	12"	LFRC62412	LFRL62412	LFRR62412
		18"	LFRC62418	LFRL62418	LFRR62418
6"		6"	LFRC63006	LFRL63006	LFRR63006
S		9"	LFRC63009	LFRL63009	LFRR63009
	30"	12"	LFRC63012	LFRL63012	LFRR63012
		18"	LFRC63018	LFRL63018	LFRR63018
		24"	LFRC63024	LFRL63016	LFRR63024
		6"	LFRC63606	LFRL63606	LFRL43606
		9"	LFRC63609	LFRL63609	LFRL43606
				+	+
	36"	12"	LFRC63612	LFRL63612	LFRL43612
		18"	LFRC63618	LFRL63618	LFRL43618
		24"	LFRC63624	LFRL63624	LFRL43624





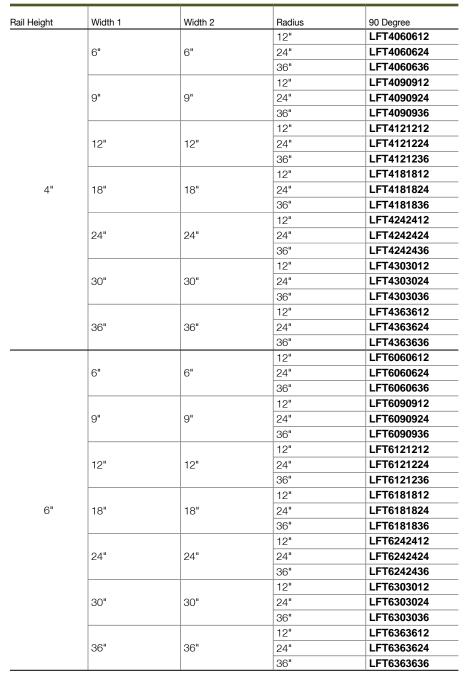


^{*}Included hardware is geomet-plated steel

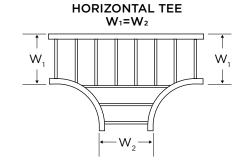
Fittings, Standard Horizontal Tee (Width 1 = Width 2)

Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*







^{*}Included hardware is geomet-plated steel.

Fittings, Expanding Horizontal Tee (Wdith 1 < Width 2)

Features

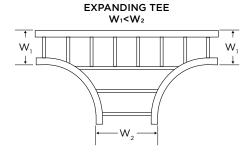
- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity

- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

Height	Width 1	Width 2	Radius	Catalog
			12"	LFT4060912
		9"	24"	LFT4060924
			36"	LFT4060936
			12"	LFT4061212
		12"	24"	LFT4061224
			36"	LFT4061236
			12"	LFT4061812
		18"	24"	LFT4061824
		"	36"	LFT4061836
	6		12"	LFT4062412
		24"	24"	LFT4062424
		27	36"	LFT4062436
			12"	LFT4063012
		30"	24"	LFT4063012
		30	36"	LFT4063024
			12"	LFT4063636
		06"		
		36"	24"	LFT4063624
		1	36"	LFT4063636
		10	12"	LFT4091212
		12"	24"	LFT4091224
			36"	LFT4091236
			12"	LFT4091812
		18"	24"	LFT4091824
			36"	LFT4091836
			12"	LFT4092412
	9"	24"	24"	LFT4092424
			36"	LFT4092436
		30"	12"	LFT4093012
			24"	LFT4093024
			36"	LFT4093036
		36"	12"	LFT4093612
4"			24"	LFT4093624
			36"	LFT4093636
			12"	LFT4121812
		18"	24"	LFT4121824
			36"	LFT4121836
		24"	12"	LFT4122412
	12"		24"	LFT4122424
			36"	LFT4122436
			12"	LFT4123012
		30"	24"	LFT4123024
		1	36"	LFT4123036
			12"	LFT4123612
		36"	24"	LFT4123612
		100	36"	LFT4123624
	<u> </u>	1	12"	LFT4123636
		04"		
		24"	24"	LFT4182424
			36"	LFT4182436
			12"	LFT4183012
	18"	30"	24"	LFT4183024
			36"	LFT4183036
			12"	LFT4183612
		36"	24"	LFT4183624
			36"	LFT4183636
			12"	LFT4243012
		30"	24"	LFT4243024
	041		36"	LFT4243036
	24"		12"	LFT4243612
		36"	24"	LFT4243624
			36"	LFT4243636
		1		
			12"	LFT4303612
	30"	36"	12" 24"	LFT4303612 LFT4303624

il Height	Width 1	Width 2	Radius	Catalog
i neigrii	<u> </u>	<u> </u>	12"	LFT6060912
		9"	24"	LFT6060924
			36"	LFT6060936
			12"	LFT6061212
		12"	24"	LFT6061224
		12	36"	LFT6061236
			_	
			12"	LFT6061812
		18"	24"	LFT6061824
	6		36"	LFT6061836
	_		12"	LFT6062412
		24"	24"	LFT6062424
			36"	LFT6062436
			12"	LFT6063012
		30"	24"	LFT6063024
			36"	LFT6063036
			12"	LFT6063612
		36"	24"	LFT6063624
			36"	LFT6063636
			12"	LFT6091212
		10"		LFT6091212
		12"	24"	
			36"	LFT6091236
			12"	LFT6091812
		18"	24"	LFT6091824
			36"	LFT6091836
			12"	LFT6092412
	9"	24"	24"	LFT6092424
			36"	LFT6092436
			12"	LFT6093012
		30"	24"	LFT6093024
			36"	LFT6093036
		36"	12"	LFT6093612
6"			24"	LFT6093624
O			36"	LFT6093636
			12"	LFT6121812
		18"	24"	LFT6121824
			36"	LFT6121836
			12"	LFT6122412
		24"	24"	LFT6122424
	10"		36"	LFT6122436
	12"		12"	LFT6123012
		30"	24"	LFT6123024
			36"	LFT6123036
			12"	LFT6123612
		36"	24"	LFT6123624
		55	36"	LFT6123636
			12"	+
		04"	24"	LFT6182412
		24"		LFT6182424
			36"	LFT6182436
			12"	LFT6183012
	18"	30"	24"	LFT6183024
			36"	LFT6183036
			12"	LFT6183612
		36"	24"	LFT6183624
			36"	LFT6183636
			12"	LFT6243012
		30"	24"	LFT6243024
		55	36"	LFT6243036
	24"			_
		001	12"	LFT6243612
		36"	24"	LFT6243624
			36"	LFT6243636
			12"	LFT6303612
	30"	36"	24"	LFT6303624
			36"	LFT6303636





HORIZONTAL

*Included hardware is geomet-plated steel.

LFT4303636

36"

Fittings, Reducing Horizontal Tee (Width 1 > Width 2)

Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity

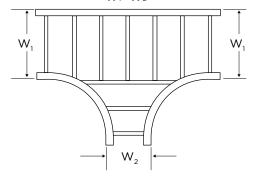
Rail Height	Width 1	Width 2	Radius	Catalog
			12"	LFT4090612
	9"	6"	24"	LFT4090624
			36"	LFT4090636
			12"	LFT4120612
		6"	24"	LFT4120624
			36"	LFT4120636
	12"		12"	LFT4120912
		9"	24"	LFT4120924
			36"	LFT4120936
			12"	LFT4180612
		6"	24"	LFT4180624
			36"	LFT4180636
			12"	LFT4180912
	18"	0"	24"	LFT4180912
	18	9"		
			36"	LFT4180936
			12"	LFT4181212
		12"	24"	LFT4181224
			36"	LFT4181236
			12"	LFT4240612
		6"	24"	LFT4240624
			36"	LFT4240636
			12"	LFT4240912
		9"	24"	LFT4240924
			36"	LFT4240936
	24"		12"	LFT4241212
		12"	24"	LFT4241224
		1	36"	LFT4241236
			12"	LFT4241812
		18"	24"	LFT4241812
		10		
		+	36"	LFT4241836
			12"	LFT4300612
4"		6"	24"	LFT4300624
			36"	LFT4300636
			12"	LFT4300912
		9"	24"	LFT4300924
			36"	LFT4300936
			12"	LFT4301212
	30"	12"	24"	LFT4301224
			36"	LFT4301236
			12"	LFT4301812
		18"	24"	LFT4301824
			36"	LFT4301836
			12"	LFT4302412
		24"	24"	LFT4302424
		24	36"	LFT4302424
		+	12"	+
		6"		LFT4360612
		6"	24"	LFT4360624
			36"	LFT4360636
			12"	LFT4360912
		9"	24"	LFT4360924
			36"	LFT4360936
			12"	LFT4361212
		12"	24"	LFT4361224
	00"		36"	LFT4361236
	36"		12"	LFT4361812
		18"	24"	LFT4361824
			36"	LFT4361836
			12"	LFT4362412
		24"	24"	LFT4362424
			36"	LFT4362436
			+	LFT4363012
		00"	12"	
		30"	24"	LFT4363024

				-
Rail Height	Width 1	Width 2	Radius	Catalog
			12"	LFT6090612
	9"	6"	24"	LFT6090624
			36"	LFT6090636
			12"	LFT6120612
		6"	24"	LFT6120624
	12"		36"	LFT6120636
			12"	LFT6120912
		9"	24"	LFT6120924
			36"	LFT6120936
			12"	LFT6180612
		6"	24"	LFT6180624
			36"	LFT6180636
			12"	LFT6180912
	18"	9"	24"	LFT6180924
			36"	LFT6180936
			12"	LFT6181212
		12"	24"	LFT6181224
			36"	LFT6181236
			12"	LFT6240612
		6"	24"	LFT6240624
		0	36"	LFT6240624
			12"	LFT6240912
		9"	24"	LFT6240924
	24"		36"	LFT6240936
			12"	LFT6241212
		12"	24"	LFT6241224
			36"	LFT6241236
		18"	12"	LFT6241812
			24"	LFT6241824
			36"	LFT6241836
			12"	LFT6300612
6"		6"	24"	LFT6300624
			36"	LFT6300636
			12"	LFT6300912
	30"	9"	24"	LFT6300924
			36"	LFT6300936
		12"	12"	LFT6301212
			24"	LFT6301224
	00		36"	LFT6301236
			12"	LFT6301812
		18"	24"	LFT6301824
			36"	LFT6301824
		041	12"	LFT6302412
		24"	24"	LFT6302424
			36"	LFT6302436
			12"	LFT6360612
		6"	24"	LFT6360624
			36"	LFT6360636
			12"	LFT6360912
		9"	24"	LFT6360924
			36"	LFT6360936
			12"	LFT6361212
		12"	24"	LFT6361224
	26"		36"	LFT6361236
	36"		12"	LFT6361812
		18"	24"	LFT6361824
			36"	LFT6361836
			12"	LFT6362412
		24"	24"	LFT6362424
			36"	LFT6362436
			12"	LFT6363012
		30"	24"	LFT6363024
		30	36"	LFT6363036
	l		100	F10303030

- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



HORIZONTAL EXPANDING TEE W₁>W₂



*Included hardware is geomet-plated steel.

LFT4363036

Fittings, Standard Cross (Width 1 = Width 2)

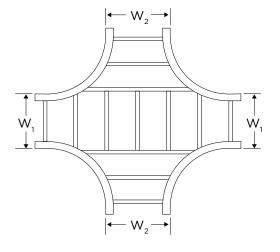
Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

Rail Height	Width 1	Width 2	Radius	Catalog
an rioigin			12"	LFX4060612
	6"	6"	24"	LFX4060624
			36"	LFX4060636
			12"	LFX4090912
	9"	9"	24"	LFX4090924
			36"	LFX4090936
			12"	LFX4121212
	12"	12"	24"	LFX4121224
			36"	LFX4121236
			12"	LFX4181812
4"	18"	18"	24"	LFX4181824
			36"	LFX4181836
			12"	LFX4242412
	24"	24"	24"	LFX4242424
			36"	LFX4242436
			12"	LFX4303012
	30"	30"	24"	LFX4303024
			36"	LFX4303036
	36"	36"	12"	LFX4363612
			24"	LFX4363624
			36"	LFX4363636
	6"	6"	12"	LFX6060612
			24"	LFX6060624
			36"	LFX6060636
	9"	9"	12"	LFX6090912
			24"	LFX6090924
			36"	LFX6090936
			12"	LFX6121212
	12"	12"	24"	LFX6121224
	'-	1-	36"	LFX6121236
			12"	LFX6181812
6"	18"	18"	24"	LFX6181824
O		10	36"	LFX6181836
			12"	LFX6242412
	24"	24"	24"	LFX6242424
	24	4	36"	LFX6242424 LFX6242436
			12"	LFX6303012
	30"	30"	24"	LFX6303012
	30	30	36"	LFX6303024
			12"	
	26"	26"		LFX6363612
	36"	36"	36"	LFX6363624 LFX6363636



HORIZONTAL CROSS W₁=W₂



^{*}Included hardware is geomet-plated steel

Fittings, Reducing Cross (Width 1 > Width 2)

Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity

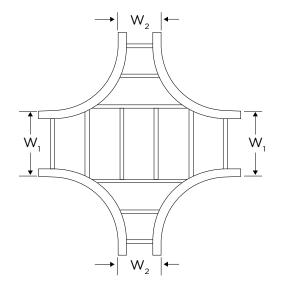
Rail Height	Width 1	Width 2	Radius	Catalog
			12"	LFX4090612
	9"	6"	24"	LFX4090624
			36"	LFX4090636
			12"	LFX4120612
		6"	24"	LFX4120624
			36"	LFX4120636
	12"		12"	LFX4120912
		9"	24"	LFX4120924
		-	36"	LFX4120936
			12"	LFX4180612
		6"	24"	LFX4180624
		0	36"	
				LFX4180636
			12"	LFX4180912
	18"	9"	24"	LFX4180924
			36"	LFX4180936
			12"	LFX4181212
		12"	24"	LFX4181224
			36"	LFX4181236
			12"	LFX4240612
		6"	24"	LFX4240624
			36"	LFX4240636
			12"	LFX4240912
		9"	24"	LFX4240924
			36"	LFX4240936
	24"		12"	LFX4241212
		12"	24"	LFX4241224
		12	36"	LFX4241236
		18"	12"	LFX4241230
				-
			24"	LFX4241824
			36"	LFX4241836
		6"	12"	LFX4300612
4"			24"	LFX4300624
			36"	LFX4300636
			12"	LFX4300912
	30"		24"	LFX4300924
			36"	LFX4300936
		12"	12"	LFX4301212
			24"	LFX4301224
			36"	LFX4301236
			12"	LFX4301812
		18"	24"	LFX4301824
		1	36"	LFX4301836
			12"	LFX4301630
		24"		LFX4302412 LFX4302424
		24"	24"	-
		+	36"	LFX4302436
			12"	LFX4360612
		6"	24"	LFX4360624
			36"	LFX4360636
			12"	LFX4360912
		9"	24"	LFX4360924
			36"	LFX4360936
			12"	LFX4361212
		12"	24"	LFX4361224
	36"		36"	LFX4361236
			12"	LFX4361812
		18"	24"	LFX4361824
		"	36"	LFX4361836
			12"	LFX4361636
		24"		LFX4362412 LFX4362424
		24"	24"	
			36"	LFX4362436
			12"	LFX4363012
		30"	24"	LFX4363024

Rail Height	Width 1	Width 2	Radius	Catalog
			12"	LFX6090612
	9"	6"	24"	LFX6090624
			36"	LFX6090636
			12"	LFX6120612
		6"	24"	LFX6120624
			36"	LFX6120636
	12"		12"	LFX6120912
		9"	24"	LFX6120924
		9		
			36"	LFX6120936
			12"	LFX6180612
		6"	24"	LFX6180624
			36"	LFX6180636
			12"	LFX6180912
	18"	9"	24"	LFX6180924
			36"	LFX6180936
			12"	LFX6181212
		12"	24"	LFX6181224
			36"	LFX6181236
			12"	LFX6240612
		6"	24"	LFX6240624
			36"	LFX6240636
			12"	LFX6240912
		9"	24"	LFX6240924
			36"	LFX6240936
	24"			LFX6240930
			12"	-
		12"	24"	LFX6241224
			36"	LFX6241236
		18"	12"	LFX6241812
			24"	LFX6241824
			36"	LFX6241836
			12"	LFX6300612
6"		6"	24"	LFX6300624
			36"	LFX6300636
		9"	12"	LFX6300912
			24"	LFX6300924
			36"	LFX6300936
			12"	LFX6301212
	30"	12"	24"	LFX6301224
			36"	LFX6301236
			12"	LFX6301812
		18"	24"	LFX6301824
			36"	LFX6301836
			12"	LFX6302412
		24"	24"	LFX6302424
			36"	LFX6302436
			12"	LFX6360612
		6"	24"	LFX6360612
			36"	LFX6360624
			-	
		0"	12"	LFX6360912
		9"	24"	LFX6360924
			36"	LFX6360936
			12"	LFX6361212
		12"	24"	LFX6361224
	36"		36"	LFX6361236
			12"	LFX6361812
		18"	24"	LFX6361824
			36"	LFX6361836
			12"	LFX6362412
		24"	24"	LFX6362424
			36"	LFX6362436
			12"	LFX6363012
		30"	24"	LFX6363024
			36"	LFX6363036

- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



HORIZONTAL REDUCING TEE W₁>W₂



*Included hardware is geomet-plated steel.

LFX4363036

Accessories for Aluminum Ladder - Dividers

Features

- For use indoors, outdoors or in harsh environments
- Provided with self tapping screws



Straight Divider

Description	Rail Height	Catalog Number
10 longth	4"	LD412
12' length	6" LD612	LD612



Flexible Divider

Description	Rail Height	Catalog Number
For use with horizontal fittings - 6' length	4"	LDF46
	6"	LDF66



Vertical Inside Divider

Rail Height	Angle	Radius	Catalog
rian rioigni	7 trigic	12"	LDVI30412
	30°	24"	LDVI30424
	00	36"	LDVI30436
		12"	LDVI45412
	45°	24"	LDVI45424
	43	36"	LDVI45436
4"		12"	LDVI60412
	60°	24"	LDVI60412
	00	36"	LDVI60424
		12"	LDVI00436
	000		
	90°	24"	LDVI90424
		36"	LDVI90436
		12"	LDVI30612
	30°	24"	LDVI30624
		36"	LDVI30636
		12"	LDVI45612
	45°	24"	LDVI45624
Oll		36"	LDVI45636
6"		12"	LDVI60612
	60°	24"	LDVI60624
		36"	LDVI60636
		12"	LDVI90612
	90°	24"	LDVI90624
		36"	LDVI90636

Vertical Outside Divider

Rail Height	Angle	Radius	Catalog
		12"	LDVO30412
	30°	24"	LDVO30424
		36"	LDVO30436
		12"	LDVO45412
	45°	24"	LDVO45424
4"		36"	LDVO45436
4		12"	LDVO60412
	60°	24"	LDVO60424
		36"	LDVO60436
		12"	LDVO90412
	90°	24"	LDVO90424
		36"	LDVO90436
		12"	LDVO30612
	30°	24"	LDVO30624
		36"	LDVO30636
		12"	LDVO45612
	45°	24"	LDVO45624
6"		36"	LDVO45636
U		12"	LDVO60612
	60°	24"	LDVO60624
		36"	LDVO60636
		12"	LDVO90612
	90°	24"	LDVO90624
		36"	LDVO90636

Divider Splice

Description	Catalog Number
5" length	LDS5



Accessories for Aluminum Ladder - Covers For Flats, Horizontal Bends, and Vertrical Inside Fittings

- For use indoors, outdoors or in harsh environments
- Flanged Cover



Flat Cover

Width	Catalog
6"	LACF06
9"	LACF09
12"	LACF12
18"	LACF18
24"	LACF24
30"	LACF30
36"	LACF36

Horizontal Elbow Cover

Width	Radius	30 Degree	45 Degree	60 Degree	90 Degree
	12"	LACHB300612	LACHB450612	LACHB600612	LACHB900612
6"	24"	LACHB300624	LACHB450624	LACHB600624	LACHB900624
	36"	LACHB300636	LACHB450636	LACHB600636	LACHB900636
	12"	LACHB300912	LACHB450912	LACHB600912	LACHB900912
9"	24"	LACHB300924	LACHB450924	LACHB600924	LACHB900924
	36"	LACHB300936	LACHB450936	LACHB600936	LACHB900936
	12"	LACHB301212	LACHB451212	LACHB601212	LACHB901212
12"	24"	LACHB301224	LACHB451224	LACHB601224	LACHB901224
	36"	LACHB301236	LACHB451236	LACHB601236	LACHB901236
	12"	LACHB301812	LACHB451812	LACHB601812	LACHB901812
18"	24"	LACHB301824	LACHB451824	LACHB601824	LACHB901824
	36"	LACHB301836	LACHB451836	LACHB601836	LACHB901836
	12"	LACHB302412	LACHB452412	LACHB602412	LACHB902412
24"	24"	LACHB302424	LACHB452424	LACHB602424	LACHB902424
	36"	LACHB302436	LACHB452436	LACHB602436	LACHB902436
	12"	LACHB303012	LACHB453012	LACHB603012	LACHB903012
30"	24"	LACHB303024	LACHB453024	LACHB603024	LACHB903024
	36"	LACHB303036	LACHB453036	LACHB603036	LACHB903036
	12"	LACHB303612	LACHB453612	LACHB603612	LACHB903612
36"	24"	LACHB303624	LACHB453624	LACHB603624	LACHB903624
	36"	LACHB303636	LACHB453636	LACHB603636	LACHB903636

Vertical Inside Elbow Cover

Width	Radius	30 Degree	45 Degree	60 Degree	90 Degree
	12"	LACVI300612	LACVI450612	LACVI600612	LACVI900612
6"	24"	LACVI300624	LACVI450624	LACVI600624	LACVI900624
	36"	LACVI300636	LACVI450636	LACVI600636	LACVI900636
	12"	LACVI300912	LACVI450912	LACVI600912	LACVI900912
9"	24"	LACVI300924	LACVI450924	LACVI600924	LACVI900924
	36"	LACVI300936	LACVI450936	LACVI600936	LACVI900936
	12"	LACVI301212	LACVI451212	LACVI601212	LACVI901212
12"	24"	LACVI301224	LACVI451224	LACVI601224	LACVI901224
	36"	LACVI301236	LACVI451236	LACVI601236	LACVI901236
	12"	LACVI301812	LACVI451812	LACVI601812	LACVI901812
18"	24"	LACVI301824	LACVI451824	LACVI601824	LACVI901824
	36"	LACVI301836	LACVI451836	LACVI601836	LACVI901836
	12"	LACVI302412	LACVI452412	LACVI602412	LACVI902412
24"	24"	LACVI302424	LACVI452424	LACVI602424	LACVI902424
	36"	LACVI302436	LACVI452436	LACVI602436	LACVI902436
	12"	LACVI303012	LACVI453012	LACVI603012	LACVI903012
30"	24"	LACVI303024	LACVI453024	LACVI603024	LACVI903024
	36"	LACVI303036	LACVI453036	LACVI603036	LACVI903036
	12"	LACVI303612	LACVI453612	LACVI603612	LACVI903612
36"	24"	LACVI303624	LACVI453624	LACVI603624	LACVI903624
	36"	LACVI303636	LACVI453636	LACVI603636	LACVI903636

^{*}See page U-32 for Cover Clips and Cover Clamps

Accessories for Aluminum Ladder - Covers For Vertical Outside Elbow Fttings

- For use indoors, outdoors or in harsh environments
- Flanged Cover

Vertical Outside Elbow Cover

Rail Height	Width 1	Radius	30 Degree	45 Degree	60 Degree	90 Degree
		12"	LACVO3040612	LACVO4540612	LACVO6040612	LACVO9040612
	6"	24"	LACVO3040624	LACVO4540624	LACVO6040624	LACVO9040624
		36"	LACVO3040636	LACVO4540636	LACVO6040636	LACVO9040636
		12"	LACVO3040912	LACVO4540912	LACVO6040912	LACVO9040912
	9"	24"	LACVO3040924	LACVO4540924	LACVO6040924	LACVO9040924
		36"	LACVO3040936	LACVO4540936	LACVO6040936	LACVO9040936
		12"	LACVO3041212	LACVO4541212	LACVO6041212	LACVO9041212
	12"	24"	LACVO3041224	LACVO4541224	LACVO6041224	LACVO9041224
		36"	LACVO3041236	LACVO4541236	LACVO6041236	LACVO9041236
		12"	LACVO3041812	LACVO4541812	LACVO6041812	LACVO9041812
4"	18"	24"	LACVO3041824	LACVO4541824	LACVO6041824	LACVO9041824
		36"	LACVO3041836	LACVO4541836	LACVO6041836	LACVO9041836
		12"	LACVO3042412	LACVO4542412	LACVO6042412	LACVO9042412
	24"	24"	LACVO3042424	LACVO4542424	LACVO6042424	LACVO9042424
		36"	LACVO3042436	LACVO4542436	LACVO6042436	LACVO9042436
		12"	LACVO3043012	LACVO4543012	LACVO6043012	LACVO9043012
	30"	24"	LACVO3043024	LACVO4543024	LACVO6043024	LACVO9043024
		36"	LACVO3043036	LACVO4543036	LACVO6043036	LACVO9043036
		12"	LACVO3043612	LACVO4543612	LACVO6043612	LACVO9043612
	36"	24"	LACVO3043624	LACVO4543624	LACVO6043624	LACVO9043624
		36"	LACVO3043636	LACVO4543636	LACVO6043636	LACVO9043636
		12"	LACVO3060612	LACVO4560612	LACVO6060612	LACVO9060612
	6"	24"	LACVO3060624	LACVO4560624	LACVO6060624	LACVO9060624
		36"	LACVO3060636	LACVO4560636	LACVO6060636	LACVO9060636
		12"	LACVO3060912	LACVO4560912	LACVO6060912	LACVO9060912
	9"	24"	LACVO3060924	LACVO4560924	LACVO6060924	LACVO9060924
		36"	LACVO3060936	LACVO4560936	LACVO6060936	LACVO9060936
		12"	LACVO3061212	LACVO4561212	LACVO6061212	LACVO9061212
	12"	24"	LACVO3061224	LACVO4561224	LACVO6061212	LACVO9061224
	'-	36"	LACVO3061236	LACVO4561236	LACVO6061236	LACVO9061236
		12"	LACVO3061812	LACVO4561812	LACVO6061812	LACVO9061812
6"	18"	24"	LACVO3061824	LACVO4561824	LACVO6061824	LACVO9061824
Ü		36"	LACVO3061836	LACVO4561836	LACVO6061836	LACVO9061836
		12"	LACVO3062412	LACVO4562412	LACVO6062412	LACVO9062412
	24"	24"	LACVO3062412	LACVO4562424	LACVO6062424	LACVO9062412
	[-"	36"	LACVO3062424	LACVO4562436	LACVO6062424	LACVO9062436
		12"	LACVO3063012	LACVO4563012	LACVO6063012	LACVO9063012
	30"	24"	LACVO3063012	LACVO4563024	LACVO6063024	LACVO9063012
		36"	LACVO3063024	LACVO4563036	LACVO6063036	LACVO9063024
		12"	LACVO3063636	LACVO4563612	LACVO6063612	LACVO9063612
	36"	24"	LACVO3063612	LACVO4563624	LACVO6063612	LACVO9063612
	30	36"	LACVO3063624	LACVO4563624 LACVO4563636	LACVO6063624	LACVO9063624

^{*}See page U-32 for Cover Clips and Cover Clamps

Accessories for Aluminum Ladder - Covers For Strandard Tee, Standard Cross, Reducing Cross and Joint Strips

- For use indoors, outdoors or in harsh environments
- Flanged Cover

Standard Tee Cover

Standa	ard ree	Cover	
Width 1	Width 2	Radius	Catalog
		12"	LACT060612
6"	6"	24"	LACT060624
		36"	LACT060636
		12"	LACT090912
9"	9"	24"	LACT090924
		36"	LACT090936
		12"	LACT121212
12"	12"	24"	LACT121224
		36"	LACT121236
		12"	LACT181812
18"	18"	24"	LACT181824
		36"	LACT181836
		12"	LACT242412
24"	24"	24"	LACT242424
		36"	LACT242436
		12"	LACT303012
30"	30"	24"	LACT303024
		36"	LACT303036
		12"	LACT363612
36"	36"	24"	LACT363624
		36"	LACT363636

Standard Cross Cover

Width 1	Width 2	Radius	Catalog
6"		12"	LACX060612
	6"	24"	LACX060624
		36"	LACX060636
		12"	LACX090912
9"	9"	24"	LACX090924
		36"	LACX090936
		12"	LACX121212
12"	12"	24"	LACX121224
		36"	LACX121236
		12"	LACX181812
18"	18"	24"	LACX181824
		36"	LACX181836
		12"	LACX242412
24"	24"	24"	LACX242424
		36"	LACX242436
		12"	LACX303012
30"	30"	24"	LACX303024
		36"	LACX303036
		12"	LACX363612
36"	36"	24"	LACX363624
		36"	LACX363636

Cover Joint Strip

Width	Catalog
6"	LACJ06
9"	LACJ09
12"	LACJ12
18"	LACJ18
24"	LACJ24
30"	LACJ30
36"	LACJ36

Reducing Cross Cover

Width 2	Radius	Catalog
	12"	LACX090612
6"	24"	LACX090624
	36"	LACX090636
	12"	LACX120612
6"	24"	LACX120624
	36"	LACX120636
	12"	LACX120912
9"	24"	LACX120924
	36"	LACX120936
	12"	LACX180612
6"	24"	LACX180624
	36"	LACX180636
9"	12"	LACX180912
	24"	LACX180924
	36"	LACX180936
	12"	LACX181212
12"		LACX181224
	36"	LACX181236
	12"	LACX240612
6"	24"	LACX240624
	36"	LACX240636
	12"	LACX240912
9"	24"	LACX240924
	36"	LACX240936
	12"	LACX241212
12"	24"	LACX241224
	36"	LACX241236
		LACX241812
18"		LACX241824
10	- '	
	6" 6" 9" 12" 6"	6"

Reducing Cross Cover

Width 1	Width 2	Radius	Catalog
		12"	LACX300612
	6"	24"	LACX300624
		36"	LACX300636
		12"	LACX300912
	9"	24"	LACX300924
		36"	LACX300936
		12"	LACX301212
30"	12"	24"	LACX301224
		36"	LACX301236
		12"	LACX301812
	18"	24"	LACX301824
		36"	LACX301836
		12"	LACX302412
	24"	24"	LACX302424
		36"	LACX302436
	6"	12"	LACX360612
		24"	LACX360624
		36"	LACX360636
		12"	LACX360912
	9"	24"	LACX360924
		36"	LACX360936
		12"	LACX361212
	12"	24"	LACX361224
001		36"	LACX361236
36"		12"	LACX361812
	18"	24"	LACX361824
		36"	LACX361836
		12"	LACX362412
	24"	24"	LACX362424
		36"	LACX362436
		12"	LACX363012
	30"	24"	LACX363024
		36"	LACX363036

^{*}See page U-32 for Cover Clips and Cover Clamps

Accessories for Aluminum Ladder - Covers For Reducing Tee, Expanding Tee

- For use indoors, outdoors or in harsh environments
- Flanged Cover

Reducing Tee Cover

Vidth 1	Width 2	Radius	Catalog	Width 1	Width 2	Radius	Catalog	Width 1	Width 2	Radius	Catalog
		12"	LACT090612			12"	LACT241212		18"	12"	LACT360612
6"	6"	24"	LACT090624		12"	24"	LACT241224			24"	LACT360624
		36"	LACT090636	0.41		36"	LACT241236			36"	LACT360636
		12"	LACT120612	24"	18"	12"	LACT241812			12"	LACT360912
	6"	24"	LACT120624			24"	LACT241824		6"	24"	LACT360924
12"		36"	LACT120636			36"	LACT241836			36"	LACT360936
12		12"	LACT120912			12"	LACT300612			12"	LACT361212
	9"	24"	LACT120924		6"	24"	LACT300624		9"	24"	LACT361224
		36"	LACT120936			36"	LACT300636	00"		36"	LACT361236
		12"	LACT180612 12" LACT300912	36"		12"	LACT361812				
	6"	24"	LACT180624	30"	9"	24"	LACT300924		12"	24"	LACT361824
		36"	LACT180636			36"	LACT300936			36"	LACT361836
		12"	LACT180912			12"	LACT301212			12"	LACT362412
18"	9"	24"	LACT180924		12"	24"	LACT301224		18"	24"	LACT362424
		36"	LACT180936			36"	LACT301236			36"	LACT362436
		12"	LACT181212			12"	LACT301812			12"	LACT363012
	12"	24"	LACT181224		18"	24"	LACT301824		24"	24"	LACT363024
		36"	LACT181236			36"	LACT301836	-		36"	LACT363036
		12"	LACT240612			12"	LACT302412				'
	6"	24"	LACT240624		24"	24"	LACT302424				
0.411		36"	LACT240636			36"	LACT302436				
24"		12"	LACT240912				'				
	9"	24"	LACT240924								
		36"	LACT240936								

Expanding Tee Cover

Width 1	Width 2	Radius	Catalog	Width 1	Width 2	Radius	Catalog	Width 1	Width 2	Radius	Catalog									
		12"	LACT090612		12"	12"	LACT241212		18"	12"	LACT360612									
6"	6"	24"	LACT090624			24"	LACT241224			24"	LACT360624									
		36"	LACT090636	24"		36"	LACT241236			36"	LACT360636									
		12"	LACT120612	24		12"	LACT241812			12"	LACT360912									
	6"	24"	LACT120624		18"	24"	LACT241824		6"	24"	LACT360924									
101		36"	LACT120636			36"	LACT241836			36"	LACT360936									
12"		12"	LACT120912			12"	LACT300612			12"	LACT361212									
	9"	24"	LACT120924		6"	24"	LACT300624		9"	24"	LACT361224									
		36"	LACT120936						36"	LACT300636	0.011		36"	LACT361236						
		12" LACT180612			12"	LACT300912	36"		12"	LACT361812										
	6"	24"	LACT180624	ACT180636 ACT180912	9"	24"	LACT300924		12"	24"	LACT361824									
		36"	LACT180636			36"	LACT300936			36"	LACT361836									
		12"	LACT180912			12"	LACT301212			12"	LACT362412									
18"	9"	24"	LACT180924		30"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	24"	LACT301224		18"	24"
		36"	LACT180936			36"	LACT301236			36"	LACT362436									
		12"	LACT181212			12"	LACT301812			12"	LACT363012									
	12"	24"	LACT181224		18"	24"	LACT301824		24"	24"	LACT363024									
		36"	LACT181236			36"	LACT301836			36"	LACT363036									
		12"	LACT240612			12"	LACT302412													
	6"	24"	LACT240624		24"	24"	LACT302424													
24"		36"	LACT240636			36"	LACT302436													
∠ 4		12"	LACT240912																	

^{*}See page U-32 for Cover Clips and Cover Clamps

24"

36"

LACT240924

LACT240936

Accessories for Aluminum Ladder - Covers For Reducers, Cover Clips and Cover Clamps

- For use indoors, outdoors or in harsh environments
- Flanged Cover

Reducer Cover

Width 1	Width 2	Center	Left	Right
9"	6"	LACRC0906	LACRL0906	LACRR0906
12"	6"	LACRC1206	LACRL1206	LACRR1206
	9"	LACRC1209	LACRL1209	LACRR1209
	6"	LACRC1806	LACRL1806	LACRR1806
8"	9"	LACRC1809	LACRL1809	LACRR1809
	12"	LACRC1812	LACRL1812	LACRR1812
24"	6"	LACRC2406	LACRL2406	LACRR2406
	9"	LACRC2409	LACRL2409	LACRR2409
	12"	LACRC2412	LACRL2412	LACRR2412
	18"	LACRC2418	LACRL2418	LACRR2418
	6"	LACRC3006	LACRL3006	LACRR3006
	9"	LACRC3009	LACRL3009	LACRR3009
8O"	12"	LACRC3012	LACRL3012	LACRR3012
	18"	LACRC3018	LACRL3018	LACRR3018
	24"	LACRC3024	LACRL3024	LACRR3024
	6"	LACRC3606	LACRL3606	LACRR3606
	9"	LACRC3609	LACRL3609	LACRR3609
	12"	LACRC3612	LACRL3612	LACRR3612
36"	18"	LACRC3618	LACRL3618	LACRR3618
	24"	LACRC3624	LACRL3624	LACRR3624
	30"	LACRC3630	LACRL3630	LACRR3630

Cover Clip

Description	Catalog Number
Stainless Steel. For use with horizontally mounted covers.	LACL



Description	Width	Catalog Number
Aluminum with	6"	LACC0406
	9"	LACC0409
	12"	LACC0412
	18"	LACC0418
	24"	LACC0424
	30"	LACC0430
Stainless	36"	LACC0436
Steel hardware. Suitable for use	6"	LACC0606
with all flat covers.	9"	LACC0609
	12"	LACC0612
	18"	LACC0618
	24"	LACC0624
	30"	LACC0630
	36"	LACC0636





Number of Cover Fasteners Required	Cover Clip	Cover Clamp
Straight 12' section	6	3
Horizontal/Vertical Bends	4	2
Tees	6	3
Crosses	8	4

Accessories for Aluminum Ladder - Supports

- For use indoors, outdoors or in harsh environments
- Center Supports and Wall Brackets are Steel with a Hot Dip Galvanized finish
- Ceiling Supports are Steel with a Mill Galvanized Finish
- Support Hardware Kits are Steel with a Zinc Plated finish

Center Support

Tray Width	Actual Width	Catalog
6"	12"	LSC06
9"	15"	LSC09
12"	18"	LSC12
18"	24"	LSC18
24"	30"	LSC24
30"	36"	LSC30
36"	42"	LSC36

Hardware Kit for Center Support

	Catalog
For 3/8" Threaded Rod	LHT38
For 1/2" Threaded Rod	LHT12
Kits includes (2) hold down clamps; (2) bolts; (2) spring nuts; (1) washer; (2) nuts	



Ceiling Support

Tray Width	Actual Width	Catalog
6"	18"	LSE06
9"	22"	LSE09
12"	24"	LSE12
18"	30"	LSE18
24"	36"	LSE24

Hardware Kit for Ceiling Support

	Catalog
For 3/8" Threaded Rod	LHC38
For 1/2" Threaded Rod	LHC12
Kit includes (2) hold down clamps; (2) bolts; (2) spring nuts; (4) washers; (4) nuts	



Wall Bracket

Tray Width	Actual Width	Catalog
6"	12"	LSW06
9"	15"	LSW09
12"	18"	LSW12
18"	24"	LSW18

Hardware Kit for Wall Bracket

	Catalog
Kit includes (2) hold down clamps (2) bolts; (2) spring nuts	LHWB



Heavy Duty Wall Bracket

Tray Width	Actual Width	Catalog
6"	12"	LSH06
9"	15"	LSH09
12"	18"	LSH12
18"	24"	LSH18
24"	30"	LSH24
30"	36"	LSH30
36"	42"	LSH42

Hardware Kit for HD Wall Bracket

	Catalog
Kit includes (2) hold down clamps (2) bolts; (2) spring nuts	LHWB



Hanger Support

Rail Height	Horizontal Hanger	Vertrical Hanger	Hanger Rod Clamp
4"	LSG4	LSV4	LHC4
6"	LSG6	LSV6	LHC6







^{*} The LSG and LSV hangers function as both a splice plate and a method of support * The LSG and LSV hangers are sold as a pair. The LHC hangers are sold individual.

Accessories for Aluminum Ladder - Accessories

Splice Plates

Description	Rail Height	Catalog Number
For joining	4"	LCN4
sections	6"	LCN6



Expansion Splice Plates

Description	Rail Height	Catalog Number
When required. Bonding	4"	LCE4
jumper required	6"	LCE6



Step-Down Splice Plate

Description	Catalog Number
Transition from 6" to 4" Rail Height	LCR64

Vertrical Adjustment Splice Plates

Description	Rail Height	Catalog Number
For changes in vertrical	4"	LCV4A
direction not requiring a radius	6"	LCV6A



Horizontal Adjustment Splice Plates

Description	Rail Height	Catalog Number
For changes in horizontal	4"	LCH4
direction not requiring a radius	6"	LCH6



Blank End Plate

To close off end of trav

TO Close oil end of tray		
Rail Height	Width	Catalog
	6"	LBP406
	9"	LBP409
	12"	LBP412
4"	18"	LBP418
	24"	LBP424
	30"	LBP430
	36"	LBP436
6"	6"	LBP606
	9"	LBP609
	12"	LBP612
	18"	LBP618
	24"	LBP624
	30"	LBP630
	36"	LBP636



For attaching tray end to an enclosure		
Rail Height	Width	Catalog
	6"	LBC406
	9"	LBC409
	12"	LBC412
4"	18"	LBC418
	24"	LBC424
	30"	LBC430
	36"	LBC436
6"	6"	LBC606
	9"	LBC609
	12"	LBC612
	18"	LBC618
	24"	LBC624
	30"	LBC630
	36"	LBC636

Cable Drop Out

Provides a radius for cables to exit through

bottom of	
Width	Catalog
6"	LBP406
9"	LBP409
12"	LBP412
18"	LBP418
24"	LBP424
30"	LBP430
36"	LBP436
	· ·



Used for wall penetrations*

Rail Height	Width	Catalog
	6"	LWS406
	9"	LWS409
	12"	LWS412
4"	18"	LWS418
	24"	LWS424
	30"	LWS430
	36"	LWS436
	6"	LWS606
	9"	LWS609
	12"	LWS612
6"	18"	LWS618
	24"	LWS624
	30"	LWS630
	36"	LWS636



Hold Down Clamp

Description	Catalog Number
Functions as both a hold down clamp and expansion guide.	LHDC



*Not fire rated

Bonding Jumper

Required with Expansion Connectors

Description	Catalog Number	
#1 AWG, 600A rated	LGJ16	
16" total length. Eyes are 15" on center		



Ground Wire Clamp

Description	Catalog Number
No drilling required. Accepts #6 thru 2/0	LGWAL



Span/Load Class Designations

Commonly called the Load Class, this defines the load-carrying capability of the tray for a specific support span distance. The design and cost of the cable tray is greatly affected by this designation. In order to determine the most appropriate and economical system, a class should be selected that reflects the actual total working load and support span for each application.

Concentrated Static Loads:

Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads. Specifications typically require this to be applied at the midpoint of the span between the tray supports, which is the worst-case location.

To incorporate this in the tray design the following formula can be used to convert the concentrated static load in pounds to an equivalent uniform load (W) in pounds per foot. That equivalent load can then be combined with the weight of cables, tray contents, and other loads that are also expressed in lbs/ft to determine the total Working Load.

Note: This calculation is based on the load being applied at the center of the tray in the middle of a rung or bottom. If the specification requires the concentrated static load to be applied on top of one side rail, then the equivalent uniform load will be 2 times the result of this calculation.

Example: A cable tray is to be supported on 20' spans. It shall contain 50 lbs/ft of cables and support 15 lbs/ft of snow load. It is also required to support a 250 pound concentrated static load applied in the center of the tray width.

Using the calculation above, the concentrated static load is converted to an equivalent uniform load as follows: 2×250 lbs / 20 ft = 25 lbs/ft

The Total Working Load will be the combination of all 3 loads, expressed in lbs/ft:

Cables	40 lbs	
Snow	+ 15 lbs/ft	
Concentrated Load	+25 lbs/ft	
Total Working Load: 80lbs/ft		

Refer to the chart on the right. With a support span of 20' and a total working load of 80 lbs/ft, a NEMA Class 20B tray rated at 75 lbs/ft will not be adequate. A NEMA Class 20C tray, rated at 100 lbs/ft, will be required.

Span/Load Class Designations Per NEMA Standard VE1/CSA C22.2 No.126

Working Load		Supp	oort Spar	n, Feet (M	eters)	
LBS/FT (Kg/M)	5 Ft (1.5 M)	8 Ft (2.4 M)	10 Ft (3.0 M)	12 Ft (3.6 M)	16 Ft (4.9 M)	20 Ft (6.0 M)
25 (37)	5AA	8AA	10AA	12AA		20AA
45 (67)						D
50 (74)	5A	8A		12A	16A	20A
65 (97)			С			
75 (112)		8B		12B	16B	E* or 20B
100 (149)		8C		12C	16C	20C
120 (179)			D			
200 (299)			E			

^{*} CSA Classes D and E are applicable to both 3.0 and 6.0 meter support spans. The appropriate support span should also be included when specifying these classes (example: D-3M).

Working Load

The total load supported by the cable tray, uniformly distributed. This will be the combined weight of all of the cables or tray contents, any environmental loads (snow, ice, dust) and any concentrated static loads.

Support Span

The maximum distance between the tray supports.

NEMA Load Classes

A number (support span in feet) combined with a letter (load capacity:A=50, B=75 and C=100 Lbs/Ft). Defined in the National Electrical ManufacturersAssoc. NEMAStandard VE1.

CSA Load Classes

A single letter (A,B,C,D,E) designates the support span and load capacity per Canadian Standards Association CSAStandard C22.2, No. 126.

Material: All fittings are aluminum with arc-welded construction.

Side Rails: Fitting side rails are I-beams with overall dimensions similar to straight tray sections.

Rungs and Bottoms: Rung and Bottom designs are identical to similar straight cable tray sections. **Tangents:** All fittings have 3" tangents (flats) at the end of all curved side rails to accommodate

splice plate connectors.

Radius: Standard NEMA VE1 12", 24" and 36" available for all curved fittings.

Square Corners: 90 Degree Horizontal Elbows, Horizontal Tees and Horizontal Crosses are available with square corners (0" Radius). The 6" through 18" square-corner fittings are designed to align with the centerline of 24" square panels of raised-floor systems

Splice Plates: All elbows are supplied with one pair of standard splice plates with hardware at no charge. Wye fittings and tees include 2 pairs and crosses include 3 pairs with hardware at no charge.



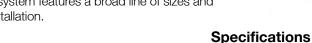
All Hubbell aluminum cable trays are classified by Underwriters Laboratories as suitable for use as equipment grounding conductors per NEC 392 and are certified by UL to meet all requirements of CSA Std. C22.2 No. 126. All NEMA and CSA safe load data is based on destruction load tests that were witnessed and certified to be accurate by Underwriters Laboratories.

Steel Ladder Rack

Hubbell's NEXTFRAME® Ladder Rack is the effective and widely used cable runway that supports and delivers bundles of cable between cabinets, racks, and closets, along walls, and suspended from ceilings.

The Ladder Rack features light, rugged, tubular steel construction. It is designed for mechanical support and strain relief in long runs of cable and creates a smooth gradual bend for cable. Rail and stringer material is 16 ga steel tubing.

The NEXTFRAME® Ladder Rack is available in popular gray and black finishes to complement equipment in any data center. The complete NEXTFRAME® Ladder Rack system features a broad line of sizes and fittings required for proper installation.



- Material: 16 ga. tubular steel
- Durable powder coat
- Stringer dimensions: 0.375"W x 1.5"H
- Rung spacing: 9.0"
- Weight capacity: 45 lbs./foot



- Supports horizontal/vertical and overhead cable management
- Durable black or gray powder coat finish
- Supports UTP or fiber cabling
- Complete family of accessories includes: wall supports and brackets, cable drops, retaining posts, splice kits, and ceiling mounting kits

Applications

Use in data centers, the equipment room, and telecommunications room to provide racking, cable management, and grounding for network hardware.

Modular System: Easily Configured for New and Existing Cable Routing. Mounts to: Floors, Walls, Ceilings, Equipment Racks, and Cabinets.

Tip: Secure Ladder to Cabinet Tops Using J-bolt Kit and Drilling Holes as Required.

Width

Straight Sections

Width	6' (1829) Length	6' (1829) Length		10' (3048) Length	
Inches (mm)	Gray	Black	Gray	Black	
6" (152)	HLS0606G	HLS0606B	HLS1006G	HLS1006B	
12" (305)	HLS0612G	HLS0612B	HLS1012G	HLS1012B	
18" (457)	HLS0618G	HLS0618B	HLS1018G	HLS1018B	
24" (610)	HLS0624G	HLS0624B	HLS1024G	HLS1024B	

Note: Width = outside to outside dimensions.

90° Turns

Width	Inside Radius 90°		Outside Radius 90°	
Inches (mm)	Gray	Black	Gray	Black
6" (152)	HLI0690G	HLI0690B	HLO0690G	HLO0690B
12" (305)	HLI1290G	HLI1290B	HLO1290G	HLO1290B
18" (457)	HLI1890G	HLI1890B	HLO1890G	HLO1890B
24" (610)	HLI2490G	HLI2490B	HLO2490G	HLO2490B
Width	Flat Turns 90°		Corner Support Bra Internal Radius 90°	
Inches (mm)	Gray	Black	Gray	Black
6" (152) 12" (305) 18" (457) 24" (610)	HLF0690G HLF1290G HLF1890G HLF2490G	HLF0690B HLF1290B HLF1890B HLF2490B	HLCG	HLCB

Jumper Kit

Туре	Contents	Material	Catalog No.
Ladder Tray	Includes: (1) 9" #6 conductor with long barrel lugs crimped on both ends, stainless steel hardware, labeled, antioxidar	d Copper	HGRKTD9D

Steel Ladder Rack

Splice Kits





HLBSK	HLSSK	HLTK
Butt Splice Kit	Swivel Splice Kit	T-Junction Splice Kit

Wall Angle Supports

Width Inches (mm)	Gray	Black
6-12" (152-305)	HLX0612G	HLX0612
18" (457)	HLX1518G	HLX1518
24" (610)	HLX24G	HLX24



Ceiling Mounting Kit

Description	Black
Ceiling mounting kit with two 6' x 0.625Ø threaded rods	HLCMK
Brackets only	HLCF



Wall/Rack Mounting Kit

Description	Black	
Includes (1) HLMPK19, (1) HLX0612, (1) 40"L x 12"W ladder section	HLWRK	
		_



Vertical Wall Bracket

Description	Black
2 clips	HLVWBK



Protective End Caps

Description	Black
2-pack	HLECPK2



J-Bolt Kit

Description	Catalog Number
2-pack, galvanized	HLJB



Ladder Standoff Support

Description	Gray	Black
14" vertical support	HLH14G	HLH14B



Foot Kit

Description	Black
2-pack with splices	HLRF



Mounting Kit to Relay Rack

Description	Black
3" rack	HLMPK19
6" rack	HLMPK19D



Triangle Wall Supports

Width Inches (mm)	Gray	Black
6" (152)	HLTSB06G	HLTSB06B
12" (305)	HLTSB12G	HLTSB12B
18" (457)	HLTSB18G	HLTSB18B
24" (610)	HLTSB24G	HLTSB24B



Cable Radius Drop

Ladder Width Inches (mm)	Actual Width Inches (mm)	Black
6" (152)	4.5" (114)	HLCD06*
12" (305)	10.75" (273)	HLCD12
18" (457)	16.75" (425)	HLCD18
Stringer	7.5" (191)	HLCDS



Cable Retaining Fence Posts

Nominal Height Inches (mm)	Gray	Black
6" (152)	HLP06G	HLP06B
8" (203)	HLP08G	HLP08B
10" (254)	HLP10G	HLP10B



Elevation Kit

Height Inches (mm)	Black
2–3" (51–76)	HLEK23
4–6" (102–152)	HLEK46

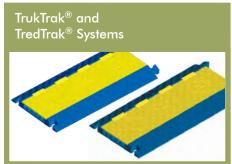


^{*}Can also be mounted on stringer

SECTION V

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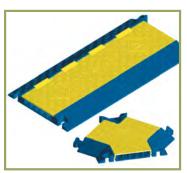
Product	Page
Products at a Glance	V-2
Features and Benefits	V-3
TrukTrak® Systems	V-4
TredTrak [®] Systems	V-5
FloorTrak® Floor Cable Cover	V-6

Products at a Glance



TrukTrak® Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



TredTrak® Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



FloorTrak® Floor Cable Cover

- Flexible and rigid PVC material
- Protects and reduces trip hazards
- Available in four different sizes and five PVC colors to blend with the various decors
- Withstands temperatures of 0°F to +120°F (-18°C to +49°C)

Features and Benefits



Hubbell TrukTrak® non-metallic cable protectors are designed to safeguard electrical cables and cords from vehicle and pedestrian traffic. The TrukTrak interlocking system comes in two, three and five channel sizes and will protect cables up to 3.25 inches (82.6mm) in diameter. It is ideal for the industrial environment where it is necessary to support heavy trucks and fork lifts.

TredTrak® non-metallic cable protectors can also be interlocked to protect cables and cords of any length. The TredTrak system is a five channel modular cable protection system that will protect cable diameters up to 1.28 inches (32.5mm). It is designed to support pedestrian and light vehicle traffic in public, institutional and commercial applications. The Hubbell modular cable protection line also permits compliance with NEC® requirements (Article 525) for insulating electrical cables and cord at carnivals, amusement parks, convention centers and similar public areas.

FloorTrak[®] is a flexible, non-metallic cover for cables that run over the floor when portable cords and cables cannot be concealed or routed away from traffic patterns. FloorTrak protects, organizes and reduces trip hazards. Four different sizes mean it will handle cables of up to 1.25 inches (31.8mm) in diameter. FT2, FT3 and FT4 are available in five PVC colors to blend with the various decors. FT10 is available in black and yellow colors only. The F10 Heavy Duty FloorTrak is ideal for applications such as industrial work areas, food processing plants and abusive areas where cable management is necessary.

TrukTrak® Systems

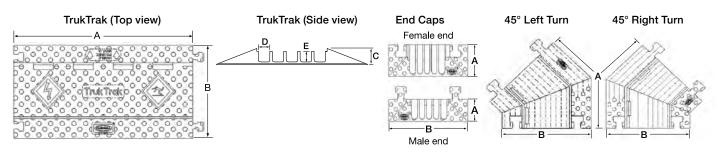
Ideal for Heavy Vehicle Traffic in Industrial, Commercial or Public Applications

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors





TrukTrak® Systems	Α	В	С	D	E		
		Trak			Channel		
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel TrukTrak®, blue and yellow.	36.0" (914)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	30.60 (13.9)	HBLTT5B
5 Channel TrukTrak® end caps (pair only), yellow.	7.50" (190) 5.25" (133)	20" (508) 20" (508)	2.31" (58.7) 2.31" (58.7)	1.25" (31.8) 1.25" (31.8)	1.25" (31.8) 1.25" (31.8)	8.55 (3.9) 8.55 (3.9)	HBLTT5ECB (Female end) (Male end)
5 Channel 45° right turn TrukTrak®, blue and yellow.	25.0" (635)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	15.35 (7.0)	HBLTT545RB
5 Channel 45° left turn TrukTrak®, blue and yellow.	25.0" (635)	20" (508)	2.31" (58.7)	1.25" (31.8)	1.25" (31.8)	14.45 (6.6)	HBLTT545LB
3 Channel TrukTrak®, blue and yellow.	36.0" (914)	20" (508)	3.05" (77.5)	2.25" (57.2)	2.25" (57.2)	30.85 (14.0)	HBLTT3B
3 Channel TrukTrak [®] end caps (pair only), yellow.	8.25" (209) 6.38" (162)	20" (508) 20" (508)	3.05" (77.5) 3.05" (77.5)	2.25" (57.2) 2.25" (57.2)	2.25" (57.2) 2.25" (57.2)	10.25 (4.6) 10.25 (4.6)	HBLTT3ECB (Female end) (Male end)
2 Channel TrukTrak®, blue and yellow.	36.0" (914)	22" (559)	4.13" (104.9)	3.25" (82.6)	3.25" (82.6)	41.00 (18.6)	HBLTT2B



Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3.

Load Capacity

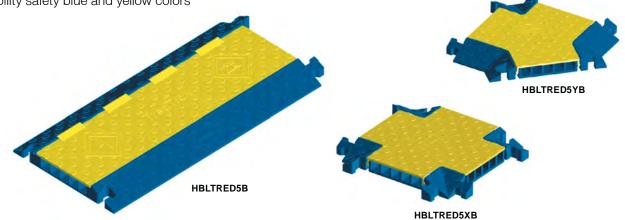
No. of	Test Fixture Footprint	Tire Load lbs. +/- 20%		Axle Load lbs. +/- 20%	
	Inches (mm)	70°F (21°C)	120°F (49°C)	70°F (21°C)	120°F (49°C)
5	6.9" x 17.3" (175 X 439)	20,150	9,200	40,300	18,400
3	6.9" x 17.3" (175 X 439)	14,210	4,653	28,420	9,306
2	6.9" x 17.3" (175 X 439)	10,880	2,095	21,760	4,190

Dimensions in Inches (mm)

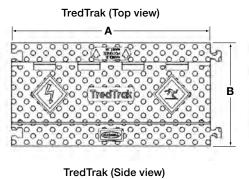
TredTrak® Systems

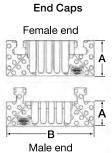
Improves Pedestrian Safety by Decreasing Risk of Tripping

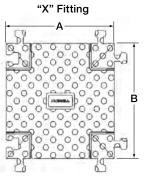
- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors

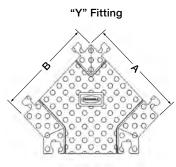


TredTrak® Systems	Α	В	С	D	E		
		Trak			Channel		
Description	Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel TredTrak®, blue and yellow.	36.0" (914)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	21.15 (9.6)	HBLTRED5B
5 Channel TredTrak® end caps (pair only), yellow.	5.75" (146) 5.75" (146)	17.5" (445) 17.5" (445)	1.95" (50) 1.95" (50)	1.30" (33) 1.30" (33)	1.30" (33) 1.30" (33)	6.40 (2.9) 6.40 (2.9)	HBLTRED5ECB (Female end) (Male end)
5 Channel TredTrak® female end caps (2 females), yellow.	5.75" (146)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	6.40 (2.9)	HBLTRED5ECFB
5 Channel "X" fitting, blue and yellow.	17.5" (445)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	14.25 (6.5)	HBLTRED5XB
5 Channel "Y" fitting, blue and yellow.	17.5" (445)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	13.95 (6.3)	HBLTRED5YB









Specifications

Material	Polyurethane.
Operating Temperature	-40°F to +120°F (-40°C to +49°C).
Hinge Material	Reinforced fiberglass.
Safety Symbols	Per ANSI Z535.3.

Load Capacity

	Test Fixture Footprint	Tire Load lbs. +/- 20%		Axle Load lbs. +/- 20%	
Product	Inches (mm)	70°F (21°C)	120°F (49°C)	70°F (21°C)	120°F (49°C)
TredTrak	6.9" x 17.3" (175 X 439)	10,500	6,500	21,000	13,000
"X" Fitting	6.9" x 17.3" (175 X 439)	2,900	2,300	5,800	5,600
"Y" Fitting	6.9" x 17.3" (175 X 439)	2,900	2,300	5,800	5,600

Dimensions in Inches (mm)

FloorTrak® Floor Cable Cover

For Pedestrian Traffic in Office and Public Areas

- Flexible and rigid PVC material
- Protects and reduces trip hazards

 Available in four different sizes and five PVC colors to blend with the various decors

 Withstands temperatures of 0°F to +120°F (-18°C to +49°C)



FloorTrak® 2*

Color	Length Feet (meters)	Catalog Number
Black	10.0' (3.05)	FT2BK10
Brown	10.0' (3.05)	FT2BR10
Beige	10.0' (3.05)	FT2BG10
Gray	10.0' (3.05)	FT2GY10
Yellow	10.0' (3.05)	FT2Y10



FloorTrak® 4

Color	Length Feet (meters)	Catalog Number
Black	5.0' (1.52)	FT4BK5
Black	25.0' (7.62)	FT4BK25
Gray	25.0' (7.62)	FT4GY25
Yellow	5.0' (1.52)	FT4Y5
Yellow	25.0' (7.62)	FT4Y25



FloorTrak® 3*

Color	Length Feet (meters)	Catalog Number
Black	5.0' (1.52)	FT3BK5
Black	25.0' (7.62)	FT3BK25
Brown	5.0' (1.52)	FT3BR5
Brown	25.0' (7.62)	FT3BR25
Beige	5.0' (1.52)	FT3BG5
Beige	25.0' (7.62)	FT3BG25
Gray	5.0' (1.52)	FT3GY5
Gray	25.0' (7.62)	FT3GY25
Yellow	5.0' (1.52)	FT3Y5
Yellow	25.0' (7.62)	FT3Y25



FloorTrak® 10 (Heavy Duty)

	Length	Catalog
Color	Feet (meters)	Number
Black	3.0' (.914)	FT10BK3
Black	5.0' (1.52)	FT10BK5
Yellow	3.0' (.914)	FT10Y3
Yellow	5.0' (1.52)	FT10Y5



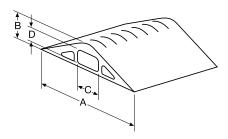
Accessories

Description	Catalog Number
1" Wide, 75' Roll Double-Sided Adhesive Tape.	FTT1
2" Wide, 75' Roll Double-Sided Adhesive Tape.	FTT2



Dimensions

FloorTrak [®]	FT2	FT3	FT4	FT10 (Heavy Duty)
	in. (mm)	in. (mm)	in. (mm)	in. (mm)
Width (A)	2.75" (69.9)	3.00" (76.2)	3.25" (82.6)	5.6" (142.24)
Height (B)	.53" (13.5)	.75" (19.1)	1.10" (27.9)	1.7" (43.18)
Center Hole (CxD)	.60" x .31"	.75" x .50"	1.21" x .75"	1.81" x 1.25"
	(15.2) x (7.9)	(19.1) x (12.7)	(30.7) x (19.1)	(45.98 x 31.75)



Specifications

Material	Rigid PVC.
Operating Temperature	0°F to +120°F (-18°C to +49°C).

Dimensions in Inches (mm)

SECTION W

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Products at a Glance



Pulling Grips

- The galvanized steel mesh grip provides strength for secure pulling jobs
- Endless weave allows easy installation onto cable
- Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs
- Shoulder protectors contain the cable inside the grip



Support Grips

- Solid eye assemblies provide eye reinforcement at support hardware
- Four eye styles available: single, double, universal and offset
- Identification tag shows: catalog number, diameter range, agency approval and bar code
- Available in tin coated bronze, stainless steel and non-metallic aramid fiber



Fiber Optic Cable Grips

- Pulling Grips are used for outside plant cable; they are easy to install and remove, reusable and have a slim profile for small build up
- OPTISOK® Grip is a revolutionary tool to pull pre-terminated fiber optic cables. They will protect the connectors and guide the bundle through the pulling environment
- Will support the cable's weight as it hangs in vertical, sloping or horizontal position



Strain Relief Grips

- Stainless steel mesh is corrosion resistant. Can be used inside or outside
- Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life
- A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure



Cord Connectors

- Machined threads provide a strong positive seal; the tapered interior dome easily drives the bushing into the connector bod
- Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief
- Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection

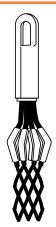


PolyTuff® Non-Metallic Liquidtight Conduit and Fittings

- Nylon compression nut has a tapered dome to tighten ferrule onto conduit
- Tapered, machined threads fasten securely and provide additional liquidtight sealing
- Non-integral, reusable steel, ferrule is easily installed, to seal conduit
- PVC tubing handles twists, turns, bends, switchbacks and straightaways with ease
- UL listed/recognized and CSA certified

Quick Reference Selection Guide for Grip Applications

Pulling Grips



Heavy-Duty Rotating Eye

For underground wiring and overhead heavy-duty pulling of service lines and new construction cable. See pages W-8 and W-9.



Heavy-Duty Flexible Eye

For overhead transmission and distribution line stringing. See pages W-7, W-8, and W-10.



Slack Grips

For removing underground cable and pulling slack in existing cable and new installations and when end of cable is not available. See pages W-11 and W-12.



Light-Duty Flexible Eye

For light industrial pulling of electrical cable and for underground and industrial plant wiring and re-wiring.

See page W-13.

Support Grips



Single Eye

For single hook attachment of permanent indoor/outdoor cable. Available on heavy-duty, standard duty, and service drop grips. See pages W-20, W-24, and W-26.



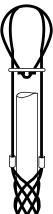
Double Eye

For double hook attachment of permanent indoor/ outdoor cable. Available on heavyduty and standard duty grips. See pages W-21 and W-25.



Single Offset Eye

For offset hook attachment of permanent indoor/outdoor cable. Available on standard duty and light-duty support grips. See page W-22,



Universal Eye

Used to fasten around a structure or closed loop. Available on standard duty support and light or heavy duty service drop grips. See pages W-23 and W-27.

Support Grips



Wide Range Bus Drop

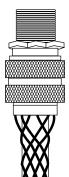
Used indoors for cable support where flexible cable connects electrical equipment to bus duct. Support air hose and water hose. See page W-28.



Strain Relief Grips

Dust-Tight Strain Relief Indoor use on

Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems. See page W-55.



Deluxe Cord

Indoor or outdoor use where subject to moisture, splash, or washdown. Examples are enclosures, crane hoist and pendant drop stations, hand tools, pumps, and processing equipment. Available in straight, 90°, or 45° configurations. See pages W-50 to W-54.



Liquid-Tight, Flexible Metal Conduit

Wiring of machine tools, electrical enclosures, motors, and systems subjected to vibration, flexure, motion, or strain. Available in straight, 90°, or 45° configurations. See pages W-58 to W-60.

Other Specialty Grips

Splicing Grips

Used as temporary splice for cable and wire rope, or as reinforcement to protect cables and hoses. See pages W-14 and W-15.

Conduit Riser Grips

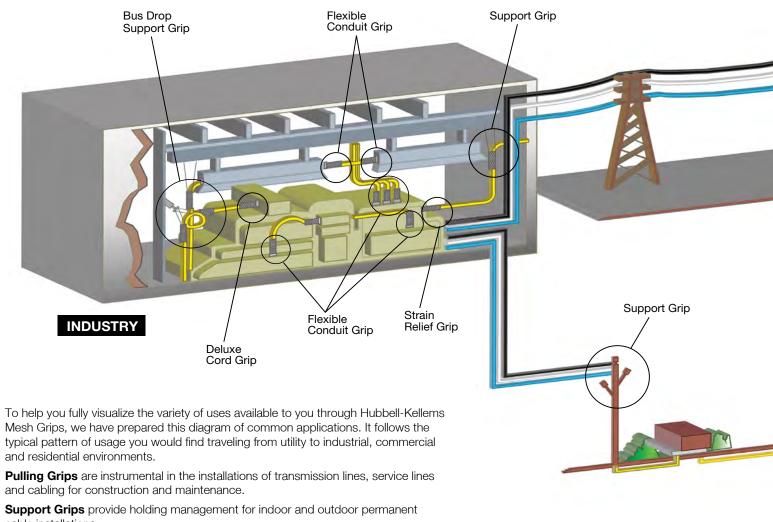
Ideal for supporting electrical wires inside rigid conduit via a supporting ring. See pages W-29 to W-31.

Hose Containment Grips

Used on flexible hose lines to prevent violent whipping of hose in the event of failure at the fitting. See pages W-46 and W-47.

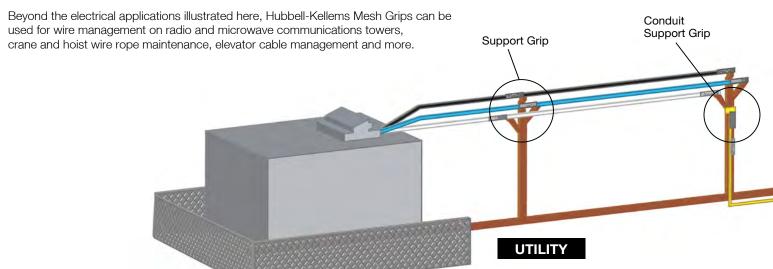
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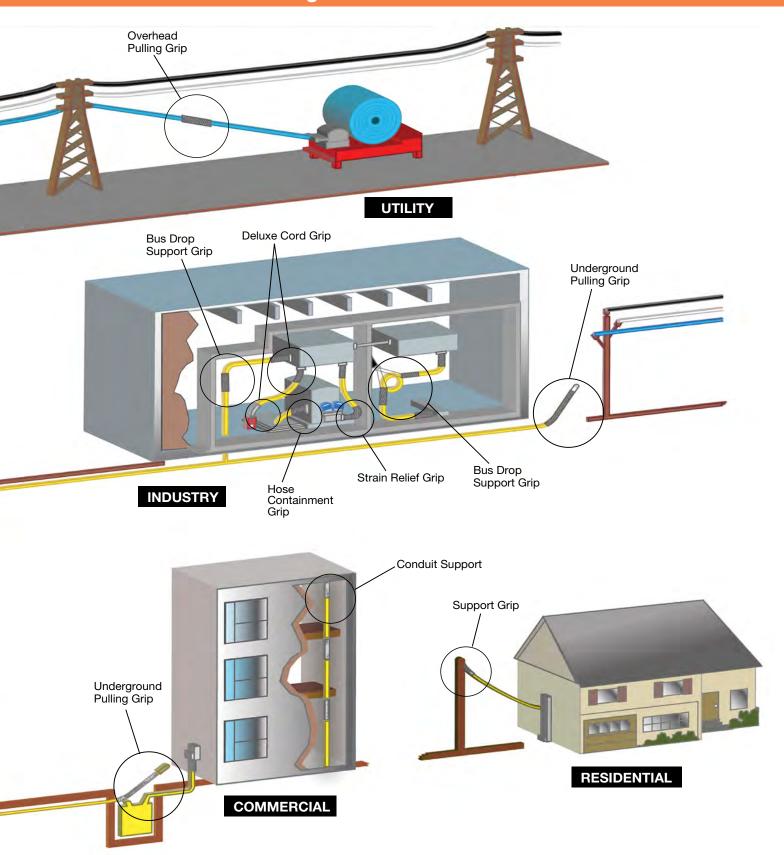
Kellems® Wire Mesh Grips Diagram



cable installations.

Strain Relief Grips are most often used to provide maximum reliability and minimum maintenance in areas where cords on machinery or equipment is impacted by motion or vibration or at risk of damage from cable pullout.





Features and Benefits

Kellems® Pulling Grips

Pulling grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit.

These grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

- Made of high strength galvanized steel strand
- Mesh design offers the greatest holding power for all pulling applications
- Each grip size is color coded for fast and accurate identification and selection
- Will mate with swivels





Mesh Grip

- The galvanized steel mesh grip provides strength for secure pulling jobs and a slim profile with little build-up; it has flexibility to follow cable path
- The multiweave styles available add strength for big pulling jobs and provide positive gripping power



Eye Styles

- Heavy-duty rotating eye for underground wiring and overhead heavy-duty pulling of service lines and new construction cable
- Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs



Cable Protection

 Shoulder protectors contain the cable inside the grip and smooth the passage of the grip over line stringing blocks or conduit bends; they protect the leading edge of the grip from abrasion



Accessories

- Swivels are essential to the efficiency and safety of any high tension application
- Punch-Lok® Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose
- Banding tools

DUA-PULL® Grips, Flexible Eye, Double Weave Mesh

DUA-PULL Pulling Grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications. They have a dual function of working with both bare and insulated conductors and synthetic rope, not provided by any other grip. Kellems' patented two-over, two-under weave design gives exceptional strength and gripping ability by putting more steel mesh in contact with the cable or rope surfaces. **THIS IS THE ONLY PULLING GRIP RECOMMENDED FOR USE ON SYNTHETIC ROPE.**

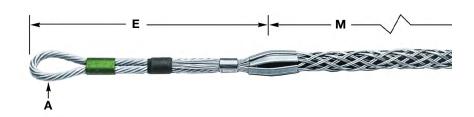
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- Made of high strength galvanized steel strand
- Recommended for pulling bare or insulated conductor, wire rope and synthetic rope
- DUA-PULL mesh design offers the greatest holding power for all pulling applications
- Each grip size is color coded for fast and accurate identification and selection
- Will mate with swivels, see page W-16



DUA-PULL® Grips

Diameter Range		Approx.							
Conductor Inches (cm)	Rope* Inches (cm)	Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Eye Dia. Inches (cm)	Over Cable and Grip** Inches (cm)	Color Code	Catalog Number
.19"37" (.4894)	.25"65" (.63-1.65)	6,500	1,300	10" (25.40)	24" (60.96)	.220" (.56)	.200" (.51)	Black	033271037
.38"62" (.97-1.57)	.50"90" (1.27-2.29)	14,000	2,800	12" (30.48)	36" (91.44)	.375" (.95)	.280" (.71)	Dk Green	033271038
.63"87" (1.60-2.21)	.75"-1.10" (1.90-2.79)	20,000	4,000	13" (33.02)	48" (121.92)	.437" (1.11)	.360" (.91)	Red	033271039
.88"-1.12" (2.24-2.84)	1.00"-1.50" (2.54-3.81)	30,600	6,120	15" (38.10)	60" (152.40)	.500" (1.27)	.500" (1.27)	Dk Blue	033271040
1.13"-1.37" (2.87-3.48)	1.25"-1.70" (3.17-4.32)	46,800	9,360	18" (45.72)	76" (193.04)	.625" (1.59)	.625" (1.59)	Yellow	033271041
1.38"-1.90" (3.51-4.38)	1.50"-2.10" (3.81-5.33)	66,500	13,300	24" (60.96)	89" (226.06)	.750" (1.90)	.750" (1.90)	Aluminum	033271042

Note: E = Eye length. M = Mesh length at nominal diameter.

Feed Tubes

The Kellems Feed Tube is used when assembling synthetic rope into the DUA-PULL Grip. It is required on the largest two sizes of DUA-PULL Grips. Feed Tubes are available for use on all size DUA-PULL Grips.

Benefits

- · Saves time, allowing fast, easy assembly
- Can be reused if not damaged



DUA-PULL® Feed Tubes

For Use with DUA-PULL Grips	Rope Diameter Inches (cm)	Feed Tube Length Inches (cm)	Catalog Number
033271037	.25"65" (.63-1.65)	28" (71.12)	091061043
033271038	.50"90" (1.27-2.29)	40" (101.60)	091061044
033271039	.75"-1.10" (1.90-2.79)	52" (132.08)	091061045
033271040	1.00"-1.50" (2.54-3.81)	67" (170.18)	091061046
033271041	1.25"-1.70" (3.17-4.32)	83" (210.82)	091061047
033271042	1.50"-2.10" (3.81-5.33)	96" (243.84)	091061048

Note: 1. Do not run grips or swivels over bullwheels while under tension.

- Two bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail.
 Banding is required to ensure maximum reliability and guard against accidental release, see page W-16.
- 3. Double braided rope, such as 2-in-1 type, should be back spliced for approximately 2/3 of the mesh length for best gripping results. Grip size should be selected by diameter of back splice.

^{*}For rope, select smallest size grip which meets required work load.

^{**}Add to cable or rope diameter.



Multiple Strength Style Grips

Multiple Strength Pulling Grips are designed for pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables. They are made of high strength galvanized steel strand and feature a multi-weave mesh construction of single, double and triple weave for firm holding power.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

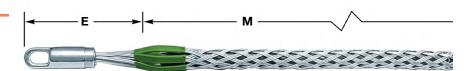
Refer to pages W-17 and W-18.

Rotating Eye Feature

Multiple Strength Grips are available with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined and will thread through blocks and sheaves without binding. **The rotating eye is not a swivel and will not turn while under tension**; it can turn to relieve pulling torque when tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page W-16. For rotating eye dimensions, see page W-9.

Benefits

- Economical, high strength pulling tool
- Multi-weave construction provides greater strength and holding power
- Endless Weave Grip end lies flat on the cable and will not snag



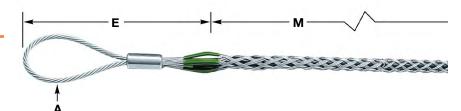
Multiple Strength Grip, Rotating Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Color Code	Catalog Number
.25"49" (.63-1.24)	6,800	1,360	5" (12.70)	26" (66.04)	⁷ / ₈ " (2.22)	Dark Green	03302016
.50"74" (1.27-1.88)	10,000	2,000	6" (15.24)	32" (81.28)	1" (2.54)	Brown	03302018
.75"99" (1.90-2.51)	14,400	2,880	6" (15.24)	41" (104.14)	1" (2.54)	Light Blue	03302020
1.00"-1.24" (2.54-3.15)	24,600	4,920	8" (20.32)	52" (132.08)	13/8" (3.49)	Gold	03302022
1.25"-1.49" (3.17-3.78)	30,600	6,120	8" (20.32)	56" (142.24)	15/8" (4.13)	Black	03302024
1.50"-1.74" (3.81-4.42)	30,600	6,120	9" (22.86)	60" (152.40)	17/8" (4.76)	Red	03302026
1.75"-2.24" (4.44-5.69)	48,000	9,600	10" (25.40)	70" (177.80)	17/8" (4.76)	Dark Blue	03302028
2.00"-2.49" (5.08-6.32)	48,000	9,600	10" (25.40)	50" (127.00)	17/8" (4.76)	Yellow	03302066
2.50"-2.99" (6.35-7.59)	48,000	9,600	10" (25.40)	52" (132.08)	17/8" (4.76)	Orange	03302097
3.00"-3.49" (7.62-8.86)	48,000	9,600	10" (25.40)	50" (127.00)	17/8" (4.76)	Aluminum	033021030
3.50"-3.99" (8.89-10.13)	48,000	9,600	10" (25.40)	53" (134.62)	17/8" (4.76)	Light Green	033021031

Note: E- Eye length M-Mesh length at nominal diameter.

Flexible Eye Feature

Multiple Strength Grips are also available with a flexible, patented wire rope eye. This compact eye will mate with a swivel, and pass through blocks and sheaves without binding.



Multiple Strength Grip, Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Eye Dia. Inches (cm)	Color Code	Catalog Number
.25"49" (.63-1.24)	6,800	1,360	9" (22.86)	26" (66.04)	1/4" (.63)	Dark Green	03302044
.50"74" (1.27-1.88)	10,000	2,000	9" (22.86)	32" (81.28)	⁵ / ₁₆ " (.79)	Brown	03302046
.75"99" (1.90-2.51)	14,400	2,880	11" (27.94)	41" (104.14)	³/ ₈ " (.95)	Light Blue	03302048
1.00"-1.24" (2.54-3.15)	24,600	4,920	12" (30.48)	52" (132.08)	¹ ₂" (1.27)	Gold	03302050
1.25"-1.49" (3.17-3.78)	30,600	6,120	12" (30.48)	56" (142.24)	¹ ₂" (1.27)	Black	03302052
1.50"-1.74" (3.81-4.42)	30,600	6,120	12" (30.48)	60" (152.40)	¹ ₂" (1.27)	Red	03302054
1.75"-2.24" (4.44-5.69)	48,000	9,600	18" (45.72)	70" (177.80)	⁵⁄ ₈ " (1.59)	Dark Blue	03302056
2.00"-2.49" (5.08-6.32)	48,000	9,600	18" (45.72)	50" (127.00)	⁵⁄ ₈ " (1.59)	Yellow	033021078
2.50"-2.99" (6.35-7.59)	48,000	9,600	18" (45.72)	52" (132.08)	5/8" (1.59)	Orange	033021079
3.00"-3.49" (7.62-8.86)	48,000	9,600	18" (45.72)	50" (127.00)	5/8" (1.59)	Aluminum	033021080
3.50"-3.99" (8.89-10.13)	48,000	9,600	18" (45.72)	53" (134.62)	5/8" (1.59)	Light Green	033021081

Note: E- Eye length. M-Mesh length at nominal diameter.

- 1. Do not run grips or swivels over bullwheels while under tension.
- Two bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail.
 Banding is required to ensure maximum reliability and guard against accidental release, see page W-16.



K-Type Grips

Kellems® Rotating Eye, K-Type Pulling Grips are made of high strength galvanized steel strand. All Grips feature double weave mesh for greater strength and added mesh contact on the table, to handle longer or heavier pulling jobs. The forged eye mates easily with a swivel or shackle.

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

IMPORTANT:

Rotating Eye Feature

K-Type Grips come equipped with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined, and will thread through blocks and sheaves without binding. The rotating eye is not a swivel and will not turn while under tension; it can turn to relieve pulling torque when the tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page W-16. For rotating eye dimensions, see below.

Benefits

- An economical tool for pulling cable
- Safe, rugged and dependable
- Equipped with a rotating eye for spin out of pulling torque after load release
- · Easily installed and removed



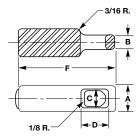
K-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Catalog Number
Short						
.50"62" (1.27-1.57)	5,600	1,120	5" (12.70)	11" (27.94)	⁷ / ₈ " (2.22)	03301001
.63"74" (1.60-1.88)	6,800	1,360	5" (12.70)	11" (27.94)	7/8" (2.22)	03301002
.75"99" (1.90-2.51)	6,800	1,360	6" (15.24)	20" (50.80)	1" (2.54)	03301013
1.00"-1.24" (2.54-3.15)	12,800	2,560	7" (17.78)	20" (50.80)	13/8" (3.49)	03301014
1.25"-1.49" (3.17-3.78)	12,800	2,560	7" (17.78)	21" (53.34)	13/8" (3.49)	03301016
1.50"-1.99" (3.81-5.05)	16,400	3,280	7" (17.78)	25" (63.50)	1³/8 " (3.49)	03301017
2.00"-2.49" (5.08-6.32)	27,200	5,440	8" (20.32)	26" (66.04)	1 5/8" (4.13)	03301018
2.50"-2.99" (6.35-7.59)	33,000	6,600	10" (25.40)	28" (71.12)	11/8" (4.76)	03301019
3.00"-3.49" (7.62-8.86)	41,000	8,200	10" (25.40)	30" (76.20)	17/8" (4.76)	03301020
3.50"-3.99" (8.89-10.13)	48,000	9,600	10" (25.40)	32" (81.28)	17/8" (4.76)	03301021
4.00"-4.49" (10.16-11.40)	48,000	9,600	10" (25.40)	33" (83.82)	17/8" (4.76)	033011017
Standard						
.50"62" (1.27-1.57)	5,600	1,120	5" (12.70)	16" (40.64)	⁷ / ₈ " (2.22)	03301011
.63"74" (1.60-1.88)	6,800	1,360	5" (12.70)	16" (40.64)	7/8" (2.22)	03301012
.75"99" (1.90-2.51)	9,600	1,920	6" (15.24)	32" (81.28)	1" (2.54)	03301024
1.00"-1.49" (2.54-3.78)	16,400	3,280	7" (17.78)	33" (83.82)	13/8" (3.49)	03301025
1.50"-1.99" (3.81-5.05)	16,400	3,280	7" (17.78)	34" (86.36)	13/8" (3.49)	03301026
2.00"-2.49" (5.08-6.32)	27,200	5,440	9" (22.86)	36" (91.44)	1 5/8" (4.13)	03301027
2.50"-2.99" (6.35-7.59)	33,000	6,600	10" (25.40)	38" (96.52)	17/8" (4.76)	03301028
3.00"-3.49" (7.62-8.86)	41,000	8,200	10" (25.40)	39" (99.06)	17/8" (4.76)	03301029
3.50"-3.99" (8.89-10.13)	48,000	9,600	10" (25.40)	41" (104.14)	17/8" (4.76)	03301030
4.00"-4.49" (10.16-11.40)	48,000	9,600	10" (25.40)	42" (106.68)	17/8" (4.76)	03301031
4.50"-4.99" (11.43-12.67)	48,000	9,600	10" (25.40)	58" (147.32)	11/8" (4.76)	03301039
5.00"-5.99" (12.70-15.21)	40,000	8,000	10" (25.40)	60" (152.40)	17/8" (4.76)	03301047
6.00"-6.99" (15.24-17.75)	48,000	9,600	10" (25.40)	66" (167.64)	17/8" (4.76)	03301045

Note: E- Eye length. M-Mesh length at nominal diameter. See page W-18 for multiple cables in a single pulling grip.

Rotating Eye Dimensions

Rotating Eye Dimensions Inches (cm)	А	В	С	D	F
7/8" (2.22)	7/8" (2.22)	9/ ₃₂ " (.71)	½" (1.27)	7/8" (2.22)	2 ⁵ / ₈ " (6.67)
1" (2.54)	1" (2.54)	½" (1.27)	%16" (1.43)	¹³ / ₁₆ " (2.06)	3½" (8.89)
1 ³ / ₈ " (3.49)	1³⁄₃" (3.49)	½" (1.27)	11/16" (1.75)	1" (2.54)	4½" (11.43)
1 ⁵ / ₈ " (4.13)	1½" (4.13)	⁵ / ₈ " (1.59)	⅓" (2.22)	1³/ ₁₆ " (3.02)	5½16" (13.49)
1 ⁷ / ₈ " (4.76)	1½" (4.76)	²¹ / ₃₂ "(1.67)	1" (2.54)	1³/ ₈ " (3.49)	6½" (15.56)





T-Type Grips

Kellems[®] Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Application

T-Type Pulling Grips are used for the installation of underground power cables, communication lines and service lines into factories, construction projects and for general underground electrical construction. Available in two mesh lengths, short for medium pulls and standard for general purpose pulling.

Benefits

- Will pull a single cable or cable bundles
- Patented flexible eye design provides flexibility to follow line of pull
- A dependable, reusable pulling tool
- · Easily installed and removed
- Mates easily with a swivel, see page W-16



T-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Short					
.50"62" (1.27-1.57)	4,500	900	8" (20.32)	21" (53.34)	033041082
.63"74" (1.60-1.88)	5,600	1,120	8" (20.32)	24" (60.96)	033041083
.75"99" (1.90-2.51)	6,800	1,360	9" (22.86)	24" (60.96)	033041084
1.00"-1.49" (2.54-3.78)	9,600	1,920	9" (22.86)	24" (60.96)	033041085
1.50"-1.99" (3.81-5.05)	16,400	3,280	11" (27.94)	24" (60.96)	033041086
2.00"-2.49" (5.08-6.32)	18,500	3,700	12" (30.48)	24" (60.96)	033041087
2.50"-2.99" (6.35-7.59)	24,500	4,900	12" (30.48)	24" (60.96)	033041088
3.00"-3.49" (7.62-8.86)	24,500	4,900	14" (35.56)	24" (60.96)	033041089
3.50"-3.99" (8.89-10.13)	31,000	6,200	14" (35.56)	26" (66.04)	033041090
Standard					
.75"99" (1.90-2.51)	6,800	1,360	9" (22.86)	36" (91.44)	033041091
1.00"-1.49" (2.54-3.78)	9,600	1,920	9" (22.86)	36" (91.44)	033041092
1.50"-1.99" (3.81-5.05)	16,400	3,280	11" (27.94)	36" (91.44)	033041093
2.00"-2.49" (5.08-6.32)	18,500	3,700	12" (30.48)	36" (91.44)	033041094
2.50"-2.99" (6.35-7.59)	24,500	4,900	12" (30.48)	36" (91.44)	033041095
3.00"-3.49" (7.62-8.86)	24,500	4,900	14" (35.56)	36" (91.44)	033041096
3.50"-3.99" (8.89-10.13)	31,000	6,200	14" (35.56)	40" (101.60)	033041097

Note: E- Eye length. M-Mesh length at nominal diameter. See page W-18 for multiple cables in a single pulling grip.



Non-Conductive Grips

Kellems® Non-Conductive Pulling Grips, made of a high strength, non-conductive aramid fiber, are available for pulling single cable or cable bundles. Their braided double weave design adds strength and positive holding power.

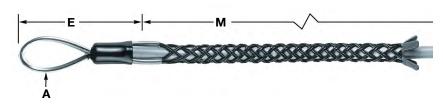
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- Color coded for fast on-site selection
- Extra flexibility for easy installation
- Non-metallic mesh provides for safe pulls over "hot" areas
- Pellethane jacketed aramid fiber mesh resists abrasion
- · Grips are corrosion resistant



Non-Conductive Grips, Single Eye, Double Weave, Non-Metallic

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Inches (cm)	Color Code	Catalog Number
.50"62" (1.27-1.57)	1,000	200	5.5" (13.97)	24" (60.96)	.44" (1.12)	Green	03628001
.63"74" (1.60-1.88)	2,000	400	5.5" (13.97)	26" (66.04)	.44" (1.12)	Yellow	03628002
.75"99" (1.90-2.51)	2,000	400	6.0" (15.24)	31" (78.74)	.63" (1.60)	Red	03628003
1.00"-1.24" (2.54-3.15)	3,000	600	6.5" (16.51)	36" (91.44)	.63" (1.60)	Blue	03628004
1.25"-1.49" (3.17-3.78)	3,000	600	6.7" (17.02)	41.5" (105.41)	.63" (1.60)	White	03628005
1.50"-1.99" (3.81-5.05)	3,000	600	8.0" (20.32)	44.0" (121.76)	.63" (1.60)	Pink	03628006

Note: E- Eye length. M-Mesh length at nominal diameter.
Taping is required to guard against accidental release and to insure maximum reliability. Apply vinyl plastic electrical tape starting 2" to 3" (5.08cm to 7.62cm) from the tail of the grip onto 2" to 3" (5.08cm to 7.62cm) of cable.



Slack Pulling Grips

Slack Pulling Grips are offered in two styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

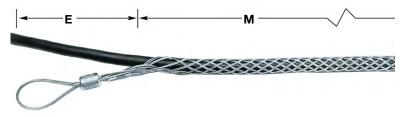
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

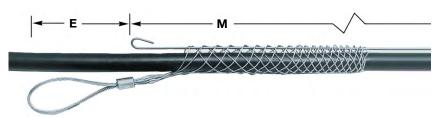
- · Easy attachment to pulling lines
- · Galvanized steel for strength



Slack Grip-Closed Mesh, Offset Eye, Double Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Standard					
.75"99" (1.90-2.51)	2,600	520	7" (17.78)	12" (30.48)	03308003
1.00"-1.24" (2.54-3.15)	4,000	800	8" (20.32)	15" (38.10)	03308004
1.25"-1.49" (3.17-3.78)	5,400	1,080	8" (20.32)	16" (40.64)	03308005
1.50"-1.74" (3.81-4.42)	6,600	1,320	8" (20.32)	20" (50.80)	03308006
1.75"-1.99" (4.44-5.05)	10,000	2,000	10" (25.40)	18" (45.72)	03308007
2.00"-2.49" (5.08-6.32)	11,000	2,200	10" (25.40)	19" (48.26)	03308008
2.50"-2.99" (6.35-7.59)	11,000	2,200	10" (25.40)	20" (50.80)	03308009
3.00"-3.49" (7.62-8.86)	14,500	2,900	12" (30.48)	21" (53.34)	03308010
3.50"-3.99" (8.89-10.13)	14,500	2,900	12" (30.48)	22" (55.88)	03308011

Note: E- Eye length. M-Mesh length at nominal diameter. See page W-18 for multiple cables in a single pulling grip.



Slack Grip-Split Mesh, Rod Closing, Offset Eye, Single Weave, Galvanized Steel

Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
1,500	300	7" (17.78)	6" (15.24)	03310001
1,800	360	7" (17.78)	8" (20.32)	03310002
2,200	440	7" (17.78)	10" (25.40)	03310003
3,400	680	8" (20.32)	12" (30.48)	03310004
4,500	900	8" (20.32)	14" (35.56)	03310005
5,800	1,160	9" (22.86)	15" (38.10)	03310006
7,600	1,520	10" (25.40)	16" (40.64)	03310007
9,000	1,800	10" (25.40)	19" (48.26)	03310008
11,000	2,200	10" (25.40)	20" (50.80)	03310009
12,000	2,400	12" (30.48)	21" (53.34)	03310010
12,000	2,400	12" (30.48)	24" (60.96)	03310011
	Strength Lbs. 1,500 1,800 2,200 3,400 4,500 5,800 7,600 9,000 11,000 12,000	Strength Lbs. Load Lbs. 1,500 300 1,800 360 2,200 440 3,400 680 4,500 900 5,800 1,160 7,600 1,520 9,000 1,800 11,000 2,200 12,000 2,400	Strength Lbs. Load Lbs. Inches (cm) 1,500 300 7" (17.78) 1,800 360 7" (17.78) 2,200 440 7" (17.78) 3,400 680 8" (20.32) 4,500 900 8" (20.32) 5,800 1,160 9" (22.86) 7,600 1,520 10" (25.40) 9,000 1,800 10" (25.40) 11,000 2,200 10" (25.40) 12,000 2,400 12" (30.48)	Strength Lbs. Load Lbs. Inches (cm) Inches (cm) 1,500 300 7" (17.78) 6" (15.24) 1,800 360 7" (17.78) 8" (20.32) 2,200 440 7" (17.78) 10" (25.40) 3,400 680 8" (20.32) 12" (30.48) 4,500 900 8" (20.32) 14" (35.56) 5,800 1,160 9" (22.86) 15" (38.10) 7,600 1,520 10" (25.40) 16" (40.64) 9,000 1,800 10" (25.40) 19" (48.26) 11,000 2,200 10" (25.40) 20" (50.80) 12,000 2,400 12" (30.48) 21" (53.34)

Note: E- Eye length. M-Mesh length at nominal diameter.

See page W-35 for closing instructions.

See page W-18 for multiple cables in a single pulling grip.



Light Duty Grips

Light Duty Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line.

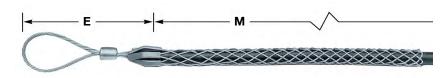
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- Perfect tools for light pulling jobs
- Installs easily on cable
- Strong galvanized steel construction



Light Duty Grips

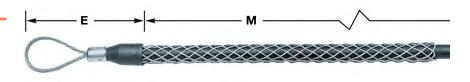
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Short	Cuongui Esc.	Loud Loo.	monos (om)	moneo (om)	Odtalog Hambon
.50"62" (1.27-1.57)	2,800	560	5" (12.70)	11" (27.94)	03303001
.63"74" (1.60-1.88)	2,800	560	5" (12.70)	11" (27.94)	03303002
.75"99" (1.90-2.51)	4,000	800	6" (15.24)	12" (30.48)	03303003
1.00"-1.24" (2.54-3.15)	5,300	1,060	7" (17.78)	13" (33.02)	03303004
1.25"-1.49" (3.17-3.78)	5,300	1,060	7" (17.78)	14" (35.56)	03303005
1.50"-1.74" (3.81-4.42)	6,800	1,360	8" (20.32)	15" (38.10)	03303006
1.75"-1.99" (4.44-5.05)	8,500	1,700	9" (22.86)	17" (43.18)	03303007
2.00"-2.49" (5.08-6.32)	8,500	1,700	9" (22.86)	18" (45.72)	03303008
Standard					
.50"62" (1.27-1.57)	2,800	560	5" (12.70)	16" (40.64)	03303010
.63"74" (1.60-1.88)	2,800	560	5" (12.70)	16" (40.64)	03303011
.75"99" (1.90-2.51)	4,000	800	6" (15.24)	20" (50.80)	03303012
1.00"-1.24" (2.54-3.15)	6,800	1,360	7" (17.78)	20" (50.80)	03303013
1.25"-1.49" (3.17-3.78)	6,800	1,360	7" (17.78)	21" (53.34)	03303015
1.50"-1.99" (3.81-5.05)	6,800	1,360	8" (20.32)	23" (58.42)	03303016
2.00"-2.49" (5.08-6.32)	8,500	1,700	9" (22.86)	25" (63.50)	03303017
2.50"-2.99" (6.35-7.59)	10,600	2,120	9" (22.86)	27" (68.58)	03303018
3.00"-3.49" (7.62-8.86)	14,700	2,940	10" (25.40)	30" (76.20)	03303019
3.50"-3.99" (8.89-10.13)	14,700	2,940	10" (25.40)	32" (81.28)	03303029

Junior Pulling Grips

Junior Pulling Grips feature a strong galvanized steel, single weave mesh. A flexible eye easily attaches to a pulling line, snake or fish tape.

Benefits

- •Installs easily over building wire
- •Strong secure grip
- Reusable
- Pulls single cable or cable bundles



Junior Pulling Grips

Cable Diameter Range	Approx. Breaking	Working	E	M		
Inches (cm)	Strength Lbs.	Load Lbs.	Inches (cm)	Inches (cm)	Model	Catalog Number
.19"24" (.4861)	400	80	31/4" (8.25)	41/4" (10.79)	J19	03305011*
.25"37" (.6394)	450	90	31/4" (8.25)	41/4" (10.79)	J25	03305001
.38"49" (.97-1.24)	900	180	3¾" (9.52)	7" (17.78)	J37	03305002
.50"62" (1.27-1.57)	1,300	260	41/4" (10.79)	8½" (21.59)	J50	03305003
.63"74" (1.60-1.88)	1,950	390	5" (12.70)	10" (25.40)	J62	03305004
.75"99" (1.90-2.51)	2,800	560	53/4" (14.60)	10" (25.40)	J75	03305005
1.00"-1.24" (2.54-3.15)	3,900	780	6½" (16.51)	111/2" (29.21)	J100	03305006
Junior Grip Kit contains 6 g	033051114					

Note: E- Eye length. M-Mesh length at nominal diameter.

*Not included in Junior Grip Kit, 033051114.

See page W-18 for multiple cables in a single pulling grip.



Wire Rope Grips

Wire Rope Grips are made of high strength galvanized steel strand in a construction of triple, double and single weave for superior gripping ability. They are available with or without a rotating barrel which will help eliminate twist in the old rope from being transferred to the new rope.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- High strength for secure pulling
- Easy installation
- Flexible to pass through sheaves and blocks

Application

Wire Rope Grips are used for changing wire rope on oil derricks, large cranes, overhead cranes and drag lines. It provides a quick, safe, inexpensive temporary splice. By installing the used wire rope in one end and the new rope in the other, the new wire rope can be pulled in as the old one is pulled out.



Regular Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Approx. Strength of Grip Feet (m)	Catalog Number
.56"62" (1.43-1.59)	7,500	1,500	5.75 (1.75)	03316001
.75"88" (1.90-2.22)	12,500	2,500	6.75 (1.90)	03316002
1.00"-1.13" (2.54-2.86)	16,000	3,200	7.00 (2.13)	03316003
1.25"-1.38" (3.17-3.49)	20,000	4,000	8.00 (2.44)	03316004
1.38"-1.50" (3.49-3.81)	20,000	4,000	8.00 (2.44)	03316006



Rotating Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Approx. Strength of Grip Feet (m)	Barrel Dimensions Length. x O.D. In. (cm)	Catalog Number
.44"50" (1.11-1.27)	5,000	1,000	5.33 (1.63)	3.00" (7.62) x .87" (2.21)	03317001
.56"63" (1.43-1.59)	7,500	1,500	5.83 (1.78)	4.25" (10.79) x 1.00" (2.54)	03317002
.75"88" (1.90-2.22)	12,500	2,500	6.50 (1.98)	4.25" (10.79) x 1.00" (2.54)	03317003
1.00"-1.13" (2.54-2.86)	16,000	3,200	8.67 (2.64)	5.50" (13.97) x 1.37" (3.48)	03317004
1.25"-1.38" (3.17-3.49)	20,000	4,000	9.00 (2.74)	5.50" (13.97) x 1.37" (3.48)	03317005
1.50"-1.75" (3.81-4.44)	20,000	4,000	11.00 (3.35)	5.50" (13.97) x 1.37" (3.48)	03317006

Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page W-16 for end bands.

^{2.} The rotating barrel is not a swivel and will not turn while under tension. It can turn to relieve pulling torque when tension is relaxed.



Cable Splicing Grips

Splicing Grips are made of galvanized steel in double weave mesh construction. They are available in various lengths and sizes to suit most applications.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-17 and W-18.

Benefits

- Easily installed or removed
- Galvanized steel construction for strength
- Flexible to follow cable path

Application

Splicing Grips are used as a temporary splice for rope, cable or wire rope. They can also be used as cable reinforcement and can act as a shield to protect cables and hoses from abrasion.



Double Weave Splicing Grips

Cabla Diamatar Danga	071 401	EOII 0411	001 741	751 001	4 00 4 40
Cable Diameter Range	.37"49"	.50"61"	.62"74"	.75"99"	1.00"-1.49"
Inches (cm)	(.94-1.24)	(1.27-1.55)	(1.57-1.88)	(1.90-2.51)	(2.54-3.78)
Approx. Breaking Strength Lbs.	3,500	3,500	4,400	7,500	10,000
Mesh Length Inches (cm)	Catalog Number				
18" (45.72)	013041330	01304064	01304009	_	_
24" (60.96)	_	01304011	01304013	01304010	01304015
36" (91.44)	_	_	013041234	01304054	01304055
48" (121.92)	_	_	<u> </u>	01304017	01304029
72" (182.88)	_	_	_	01304037	013041333

Junior Splicing Grips, Single Weave

Junior Splicing Grips are made of galvanized steel and are designed for use in very light duty and small splicing jobs.

Benefits

- Easily installed or removed
- Galvanized steel construction for strength
- Flexible to follow cable path



Junior Tube

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Length @ Nom Diameter Inches (cm)	Catalog Number
.18"24" (.4661)	400	80	7" (17.78)	01301008
.25"36" (.6391)	400	80	8" (20.32)	01301013

Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page W-16 for end bands.

Punch-Lok® Bands

Punch-Lok Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose. Also, they assure full gripping action by locking the mesh of the tail in tight contact with the cable or rope.









When the tail of a grip is the leading end, the bands are particularly important to prevent accidental release caused by tripping on obstructions. A conductor-to-conductor (double-socking) pulling operation is a good example: where two grips connect two conductors to form a temporary splice. In all cases two Punch-Lok® Bands should be double wrapped approximately one inch to two inches (2.54cm to 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release. It is also common practice to tape over the banded tail area to assure smooth passage through the sheaves. The conductor should be installed in the grip up to the elbows of the aluminum shoulders in order to assure full and complete gripping action as illustrated above.



Punch-Lok® Bands

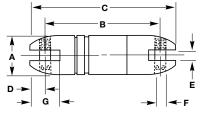
Grip Banding Range Inches (cm)	Band Width Inches (cm)	Band Inside Diamete Inches (cm)	er Model	Catalog Number
.25"-1.13" (.63-2.86)	.38" (.95)	1.38" (3.49)	0-311	20320050
1.13"-1.63" (2.86-4.13)	.38" (.95)	2.00" (5.08)	0-316	20320051
1.63"-2.25" (4.13-5.71)	.63" (1.59)	2.50" (6.35)	0-10	20320052
2.25"-3.50" (5.71-8.89)	.63" (1.59)	4.00" (10.16)	0-16	20320053
3.50"-5.00" (8.89-12.70)	.63" (1.59)	6.00" (15.24)	0-24	20320054

Accessories

Punch-Lok Tools	Catalog Number
P-1000 for use with .63" width Banding tool.	20320048
P-38 for use with .38" and .63" width Banding tool for tight spaces.	20320047

Stainless Steel Swivels

Swivels are essential to the efficiency and safety of any high tension application. They are particularly important where continuous pulls develop higher and higher torque levels. Torque is intensified by the pull-resistance of the cable itself and the resistance of the high tension controlling equipment regulating line sag. Ball bearing swivels release torque and prevent it from reaching dangerous levels that can damage the cable and obstruct the lines.





Stainless Steel Swivels

Maximum Safe			Dii	mensions in	Inches (cm)				
Working Load Lbs. (N)	Α	В	С	D	E	F	G	Model	Catalog Number
2,250 (10,000)	.88" (2.22)	2.50" (6.35)	3.38" (8.57)	.44" (1.11)	.38" (0.95)	.31" (0.79)	.97" (2.46)	A-13L	20308001A
5,000 (22,240)	1.25" (3.17)	3.69" (9.37)	4.75" (12.06)	1.22" (1.35)	1.22" (1.35)	.41" (1.03)	1.28" (3.25)	BB-13L	20308002A
9,000 (40,030)	1.50" (3.81)	4.25" (10.79)	5.63" (14.29)	.69" (1.75)	1.28" (1.51)	.50" (1.27)	1.56" (3.97)	B-13L	20308003A
10,000 (44,480)	1.63" (4.13)	4.50" (11.43)	6.00" (15.24)	.75" (1.90)	.69" (1.75)	.63" (1.59)	1.72" (4.36)	C-13L	20308004A
30,000 (133,440)	2.38" (6.03)	7.63" (19.37)	10.00" (25.40)	1.19" (3.02)	1.03" (2.62)	.88" (2.22)	2.78" (7.06)	D-13L	20308005A

Punch-Lok® is a registered trademark of Punch-Lok Inc.

Kellems Pulling Grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit. Kellems Pulling Grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

WARNING: It is very important to read and understand all safety information before proceeding. Failure to use as directed may result in property damage, personal injury or death.

Grips are to be installed and utilized by a qualified technician in accordance with all applicable national and local safety and electrical codes. Consult a licensed project safety professional, if necessary.

Ensure that the correct grip is selected for your specific needs. Grips should only be used for their intended purpose and not for other applications.

Banding the tail end of the grip is required to prevent unintended release of the grip's hold from the cable and to achieve maximum gripping strength

The strength of a Kellems grips is based on laboratory testing and does not evaluate variable conditions such as cable type, gripping surfaces, cable movement or impact loads. Suitability for the application must be determined by the user.

Thoroughly examine the condition of the grip prior to each use. Grips that are worn, bent, corroded, or show other signs of damage, such as frayed or broken wires, should never be used and must be replaced.

Do not modify the grip in any way.

Ensure that the recommended work load of the grip is suitable for the application. Never use a grip beyond its safe working load, which is the approximate breaking strength divided by the factor of safety. The recommended factor of safety is five (5) for pulling grips and ten (10)

Pulling hardware should only be attached to the eye of the grip.

A swivel is recommended for attachment to the grip's eye in applications where torque release is necessary. Torque can build up in high tension pulling applications.

Do not run grips and swivels around sheaves or bull wheels while under tension. For synthetic rope, use Kellems Dua-Pull Grips only.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips. and ten for catalog listed support grips.

Select The Correct Pulling Grip

Each Kellems Grip is designed to work on a specific range of cable diameters.

- **Step 1** Refer to the chart below to determine the style of grip best suited for your application.
- **Step 2** Determine your cable outside diameter.
- **Step 3** Find the grip size that encompasses your cable diameter.
- Step 4 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page W-34 for safety and working load factors.

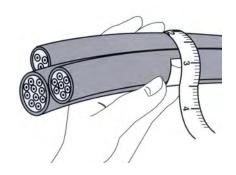
Pulling Grip Selection Chart

Grip Style	Application	Page Number
DUA-PULL®, flexible eye	Extra high strength overhead transmission line stringing for bare or insulated conductor and synthetic rope.	W-7
Multiple strength, flexible eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	W-8
Multiple strength, rotating eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	W-8
K-type grip, rotating eye	Underground power cables and communication lines. Service lines into factories.	W-9
T-type grip, flexible eye	Underground power cables and communication lines. Service lines into factories.	W-10
Non-conductive, flexible eye	Pull insulated distribution cable into place.	W-11
Slack pulling, closed mesh	Remove underground cable. For pulling slack in final placement of new cable when end of cable is available.	W-11
Slack pulling, split mesh,	Remove underground cable. For pulling slack in final placement of new cable rawhide lace closing when end of cable is not available.	W-12
Slack pulling, split mesh,	Remove underground cable. For pulling slack in final placement of new cable rod closing when end of cable is not available, with rod closing for quick installation.	W-12
Light duty, flexible eye	Light pulling, underground electrical construction. Industrial plant wiring and rewiring jobs.	W-13
Junior, flexible eye	Connect bundled insulated building wire to a pulling tape. Pull wire through conduit.	W-13
Regular and rotating wire rope	Restring wire rope in cranes and oil rigs.	W-14
Splicing	Temporary splice for cable or wire rope.	W-15
Pulling Grip Accessories	Tools, bands, swivels.	W-16
Fiber Optic Cable Pulling Grips	Pull fiber optic cable into place overhead, underground or through duct and conduit.	W-39 to W-43

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

- 1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
- 2. Divide the bundle circumference by 3.14 to determine the diameter.
- **3.** Choose a grip offering a range of cable diameters the same as the cable diameter.



For Pulling Grips*

CAUTION: When a grip is used on multiple cables, the tail end of the grip should be banded after positioning on the cables.

For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: Three cables, each with .89" (2.26cm) diameter, for a Closed Grip select the 1.50"-1.74" (3.81cm-4.42cm) range, for a Split Grip select the 1.75"-1.99" (4.44cm-5.05cm) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia.Range Inches (cm)
.3038	.2531	.2227	.1924	.1722	.1519	.1418	.5061
(.7697)	(.6379)	(.5669)	(.4860)	(.4356)	(.3848)	(.3646)	(1.27-1.55)
.3844	.3136	.2731	.2429	.2226	.1923	.1821	.6274
(.97-1.12)	(.7991)	(.6979)	(.6174)	(.5666)	(.4858)	(.4653)	(1.57-1.88)
.4459	.3649	.3142	.2938	.2634	.2331	.2128	.7599
(1.12-1.50)	(.91-1.24)	(.79-1.07)	(.7497)	(.6686)	(.5879)	(.5371)	(1.90-2.51)
.5975	.4963	.4254	.3848	.3443	.3139	.2835	1.00-1.24
(1.50-1.90)	(1.24-1.60)	(1.07-1.37)	(.97-1.22)	(.86-1.09)	(.7999)	(.7189)	(2.54-3.15)
.7590	.6376	.5465	.4858	.4352	.3946	.3542	1.25-1.49
(1.90-2.29)	(1.60-1.93)	(1.37-1.65)	(1.22-1.47)	(1.09-1.32)	(.99-1.17)	(.89-1.07)	(3.17-3.78)
.90-1.07	.7689	.6577	.5867	.5260	.4654	.4249	1.50-1.74
(2.29-2.72)	(1.93-2.26)	(1.65-1.96)	(1.47-1.70)	(1.32-1.52)	(1.17-1.37)	(1.07-1.24)	(3.81-4.42)
1.07-1.22	.89-1.02	.7788	.6777	.6069	.5462	.4956	1.75-1.99
(2.72-3.10)	(2.26-2.59)	(1.96-2.24)	(1.70-1.96)	(1.52-1.75)	(1.37-1.57)	(1.24-1.42)	(4.44-5.05)
1.22-1.53	1.02-1.28	.88-1.10	.7796	.6986	.6277	.5671	2.00-2.49
(3.10-3.89)	(2.59-3.25)	(2.24-2.79)	(1.96-2.44)	(1.75-2.18)	(1.57-1.96)	(1.42-1.80)	(5.08-6.32)
1.53-1.83	1.28-1.53	1.10-1.32	.96-1.16	.86-1.03	.7793	.7185	2.50-2.99
(3.89-4.65)	(3.25-3.89)	(2.79-3.35)	(2.44-2.95)	(2.18-2.62)	(1.96-2.36)	(1.80-2.16)	(6.35-7.59)
1.83-2.14	1.53-1.79	1.32-1.54	1.16-1.35	1.03-1.20	.93-1.08	.8599	3.00-3.49
(4.65-5.44)	(3.89-4.55)	(3.35-3.91)	(2.95-3.43)	(2.62-3.05)	(2.36-2.74)	(2.16-2.51)	(7.62-8.86)
2.14-2.44	1.79-2.05	1.54-1.76	1.35-1.54	1.20-1.37	1.08-1.24	.99-1.13	3.50-3.99
(5.44-6.20)	(4.55-5.21)	(3.91-4.47)	(3.43-3.91)	(3.05-3.48)	(2.74-3.15)	(2.51-2.87)	(8.89-10.13)
2.44-2.75	2.05-2.30	1.76-1.98	1.54-1.74	1.37-1.55	1.24-1.39	1.13-1.27	4.00-4.49
(6.20-6.98)	(5.21-5.84)	(4.47-5.03)	(3.91-4.42)	(3.48-3.94)	(3.15-3.53)	(2.87-3.23)	(10.16-11.40)
2.75-3.06	2.30-2.56	1.98-2.20	1.74-1.93	1.55-1.72	1.39-1.55	1.27-1.41	4.50-4.99
(6.98-7.77)	(5.84-6.50)	(5.03-5.59)	(4.42-4.90)	(3.94-4.37)	(3.53-3.94)	(3.23-3.58)	(11.43-12.67)

Note: "This chart is not to be used for Conduit Riser Grips. Refer to the chart for Conduit Riser multiple cable section. It is always recommended that, when multiple cables are installed in a pulling grip, the tail end be banded and tightly taped after installation on the cable bundle. See page W-16 for end bands.

Features and Benefits

Kellems® Support Grips

They are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction.

Kellems support grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 series stainless are for severe service or unusual environmental conditions. For exceptional immunity to rust and corrosion with superior strength and flexibility for heavy duty support application in harsh environments available upon request; contact the factory.





Mesh Grip

- The positive action mesh grip is designed for light duty up to heavy duty; closed grips fit over the cable end, split grips wrap around the cable mid-span
- The endless weave provides easy installation onto cable and can be easily repositioned



Eye Styles

- Four eye styles available: single (shown), double, universal and offset
- Solid eye assemblies provide eye reinforcement at support hardware
- Each Kellems grip is designed to work on a specific range of cable diameters



Cable Identification

- Identification tag shows: catalog number, diameter range, agency approval and bar code
- The strand equalizer positions wires for equal loading throughout the entire grip length



Strand Equalizer

 Positions wires for equal loading throughout the entire grip length



Standard Duty Support Grips

Single Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Single Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

	Approx. I Strengt		Working Lo	oad Lbs.	_			
Cable Diameter Range Inches (cm)	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	530	1,370	53	137	7" (17.78)	10" (25.40)	02201013	02401013
.63"74" (1.60-1.88)	790	2,060	79	206	8" (20.32)	10" (25.40)	02201014	02401014
.75"99" (1.90-2.51)	1,020	2,060	102	206	8" (20.32)	13" (33.02)	02201015	02401015
1.00"-1.24" (2.54-3.15)	1,610	2,678	161	268	9" (22.86)	14" (35.56)	02201017	02401017
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	10" (25.40)	15" (38.10)	02201018	02401018
1.50"-1.74" (3.81-4.42)	1,610	4,492	161	449	12" (30.48)	17" (43.18)	02201019	02401019
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	14" (35.56)	19" (48.26)	02201020	02401020
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	16" (40.64)	21" (53.34)	02201021	02401021
2.50"-2.99" (6.35-7.59)	3,260	8,947	326	895	18" (45.72)	23" (58.42)	02201022	02401022
3.00"-3.49" (7.62-8.86)	4,900	13,420	490	1,342	21" (53.34)	25" (63.50)	02201023	02401023
3.50"-3.99" (8.89-10.13)	4,900	_	490	_	24" (60.96)	27" (68.58)	02201024	_



For permanent support when cable end is not available.

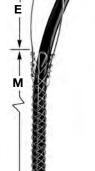
	Approx. Breaking Strength Lbs.		Working Lo	Working Load Lbs.				
Cable Diameter Range Inches (cm)	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	530	1,370	53	137	7" (17.78)	10" (25.40)	02202013	02402013
.63"74" (1.60-1.88)	790	2,066	79	207	8" (20.32)	10" (25.40)	02202014	02402014
.75"99" (1.90-2.51)	1,020	2,060	102	206	8" (20.32)	13" (33.02)	02202015	02402015
1.00"-1.24" (2.54-3.15)	1,610	2,670	161	267	9" (22.86)	14" (35.56)	02202017	02402017
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	10" (25.40)	15" (38.10)	02202018	02402018
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	12" (30.48)	17" (43.18)	02202019	02402019
1.75"-1.99" (4.44-5.05)	2,150	4,375	215	437	14" (35.56)	19" (48.26)	02202020	02402020
2.00"-2.49" (5.08-6.32)	3,260	8,947	326	895	16" (40.64)	21" (53.34)	02202021	02402021
2.50"-2.99" (6.35-7.59)	3,260	8,940	326	894	18" (45.72)	23" (58.42)	02202022	02402022
3.00"-3.49" (7.62-8.86)	4,900	13,420	490	1,342	21" (53.34)	25" (63.50)	02202023	02402023
3.50"-3.99" (8.89-10.13)	4,900	13,420	490	1,342	24" (60.96)	27" (68.58)	02202024	02402024



For support when cable end is not available.

	Approx. Breaking Strength Lbs.		Working Load Lbs.		_			
Cable Diameter Range Inches (cm)	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	790	1,050	79	105	7" (17.78)	8.5" (21.59)	02203013	02403013
.63"74" (1.60-1.88)	790	2,050	79	205	8" (20.32)	8.5" (21.59)	02203014	02403014
.75"99" (1.90-2.51)	1,020	2,050	102	205	8" (20.32)	10.5" (26.67)	02203015	02403015
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	9" (22.86)	12.5" (31.75)	02203017	02403017
1.25"-1.49" (3.17-3.78)	1,610	4,500	161	450	10" (25.40)	14.5" (36.83)	02203018	02403018
1.50"-1.74" (3.81-4.42)	1,610	4,500	161	450	12" (30.48)	15.5" (39.37)	02203019	02403019
1.75"-1.99" (4.44-5.05)	2,150	6,000	215	600	14" (35.56)	16.5" (41.91)	02203020	02403020
2.00"-2.49" (5.08-6.32)	3,260	8,950	326	895	16" (40.64)	19.5" (49.53)	02203021	02403021
2.50"-2.99" (6.35-7.59)	3,260	7,750	326	775	18" (45.72)	21.5" (54.61)	02203022	02403022
3.00"-3.49" (7.62-8.86)	5,750	8,500	575	850	21" (53.34)	23.5" (59.69)	02203023	02403023
3.50"-3.99" (8.89-10.13)	5,750	_	575	_	24" (60.96)	25.5" (64.77)	02203024	_

Dimensions in Inches (mm)Note: E-Eye length. M-Mesh length at nominal diameter.





Standard Duty Support Grips

Double Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

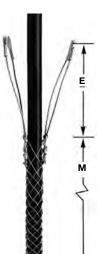
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Double Eye, Closed Mesh

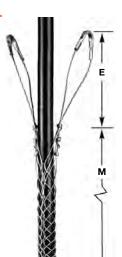
For permanent suppo	ort when o	cable end	is availab	ile to be in	stalled throl	ugn grip.		
	Approx. Breaking Strength Lbs.		Working Load Lbs.					
Cable Diameter Range Inches (cm)	Tin-Coated Bronze	d Stainless Steel	Tin-Coate Bronze	ed Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	530	1,370	53	137	4" (10.16)	10" (25.40)	02201001	02401001
.63"74" (1.60-1.88)	790	2,060	79	206	4" (10.16)	10" (25.40)	02201002	02401002
.75"99" (1.90-2.51)	1,020	2,060	102	206	4" (10.16)	13" (33.02)	02201003	02401003
1.00"-1.24" (2.54-3.15)	1,610	2,670	161	267	5" (12.70)	14" (35.56)	02201005	02401005
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	5" (12.70)	15" (38.10)	02201006	02401006
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	5" (12.70)	17" (43.18)	02201007	02401007
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	6" (15.24)	19" (48.26)	02201008	02401008
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	6" (15.24)	21" (53.34)	02201009	02401009
2.50"-2.99" (6.35-7.59)	3,260	8,940	326	894	6" (15.24)	23" (58.42)	02201010	02401010
3.00"-3.49" (7.62-8.86)	4,900	12,000	490	1,200	8" (20.32)	25" (63.50)	02201011	02401011
3.50"-3.99" (8.89-10.13)	4,900	12,000	490	1,200	8" (20.32)	27" (68.58)	02201012	02401012



Double Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

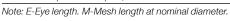
	Approx. Breaking Strength Lbs. Tin-Coated Stainless Bronze Steel		Working	Load Lbs.	_			
Cable Diameter Range Inches (cm)			Tin-Coated Stainless Bronze Steel		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	530	_	53	-	4" (10.16)	10" (25.40)	02202001	_
.63"74" (1.60-1.88)	790	2,066	79	207	4" (10.16)	10" (25.40)	02202002	02402002
.75"99" (1.90-2.51)	1,020	2,060	102	206	4" (10.16)	13" (33.02)	02202003	02402003
1.00"-1.24" (2.54-3.15)	1,610	2,678	161	268	5" (12.70)	14" (35.56)	02202005	02402005
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	5" (12.70)	15" (38.10)	02202006	02402006
1.50"-1.74" (3.81-4.42)	1,610	3,750	161	375	5" (12.70)	17" (43.18)	02202007	02402007
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	6" (15.24)	19" (48.26)	02202008	02402008
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	6" (15.24)	21" (53.34)	02202009	02402009
2.50"-2.99" (6.35-7.59)	3,260	_	326	_	6" (15.24)	23" (58.42)	02202010	_
3.00"-3.49" (7.62-8.86)	4,900	_	490	_	8" (20.32)	25" (63.50)	02202011	_
3.50"-3.99" (8.89-10.13)	4,900	_	490	_	8" (20.32)	27" (68.58)	02202012	_

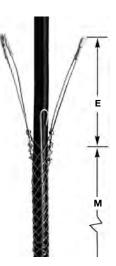


Double Eye, Split Mesh, Rod Closing

For support when cable end is not available.

	Approx. Breaking Strength Lbs.		Working	Working Load Lbs.				
Cable Diameter Range Inches (cm)	Tin-Coate Bronze	ed Stainless Steel	Tin-Coate Bronze	ed Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	790	_	79	_	4" (10.16)	6.5"	02203001	_
.63"74" (1.60-1.88)	790	2,050	79	205	4" (10.16)	8.5" (21.59)	02203002	02403002
.75"99" (1.90-2.51)	1,020	2,050	102	205	4" (10.16)	10.5" (26.67)	02203003	02403003
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	5" (12.70)	12.5" (31.75)	02203005	02403005
1.25"-1.49" (3.17-3.78)	1,610	3,750	161	375	5" (12.70)	14.5" (36.83)	02203006	02403006
1.50"-1.74" (3.81-4.42)	1,610	3,750	161	375	5" (12.70)	15.5" (39.37)	02203007	02403007
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	215	6" (15.24)	16.5" (41.91)	02203008	02403008
2.00"-2.49" (5.08-6.32)	3,260	8,950	326	326	6" (15.24)	19.5" (49.53)	02203009	02403009
2.50"-2.99" (6.35-7.59)	3,260	8,950	326	326	6" (15.24)	21.5" (54.61)	02203010	02403010
3.00"-3.49" (7.62-8.86)	5,750	11,150	575	1,115	8" (20.32)	23.5" (59.69)	02203011	02403011
3.50"-3.99" (8.89-10.13)	5,750	_	575	_	8" (20.32)	25.5" (64.77)	02203012	_







Standard Duty Support Grips

Offset Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Offset Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

	Approx. Breaking Strength Lbs.		Working L	Working Load Lbs.				
Cable Diameter Range Inches (cm)	Tin-Coate Bronze	ed Stainless Steel	Tin-Coated Bronze	d Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	530	1,370	53	137	4" (10.16)	10" (25.40)	02201037	02401037
.63"74" (1.60-1.88)	750	1,950	75	195	4" (10.16)	10" (25.40)	02201038	02401038
.75"99" (1.90-2.51)	950	2,060	95	206	4" (10.16)	13" (33.02)	02201039	02401039
1.00"-1.24" (2.54-3.15)	1,500	2,678	150	268	5" (12.70)	14" (35.56)	02201041	02401041
1.25"-1.49" (3.17-3.78)	1,500	4,490	150	449	5" (12.70)	15" (38.10)	02201042	02401042
1.50"-1.74" (3.81-4.42)	1,500	3,700	150	370	5" (12.70)	17" (43.18)	02201043	02401043
1.75"-1.99" (4.44-5.05)	2,000	4,375	200	437	6" (15.24)	19" (48.26)	02201044	02401044
2.00"-2.49" (5.08-6.32)	3,100	5,500	310	550	9" (22.86)	21" (53.34)	02201045	02401045
2.50"-2.99" (6.35-7.59)	3,100	_	310	_	9" (22.86)	23" (58.42)	02201046	_
3.00"-3.49" (7.62-8.86)	3,800	_	380	_	11" (27.94)	25" (63.50)	02201047	_
3.50"-3.99" (8.89-10.13)	3,250	_	325	_	11" (27.94)	27" (68.58)	02201048	_



For permanent support when cable end is not available.

	Approx. Breaking Strength Lbs. (N)		Working	Load Lbs.	_			
Cable Diameter Range Inches (cm)	Tin-Coate Bronze	ed Stainless Steel	Tin-Coate Bronze	ed Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	500	_	50	_	4" (10.16)	10" (25.40)	02202037	_
.63"74" (1.60-1.88)	750	1,952	75	195	4" (10.16)	10" (25.40)	02202038	02402038
.75"99" (1.90-2.51)	950	_	95	_	4" (10.16)	13" (33.02)	02202039	_
1.00"-1.24" (2.54-3.15)	1,500	_	150	_	5" (12.70)	14" (35.56)	02202041	_
1.25"-1.49" (3.17-3.78)	1,500	4,490	150	449	5" (12.70)	15" (38.10)	02202042	02402042
1.50"-1.74" (3.81-4.42)	1,500	_	150	_	5" (12.70)	17" (43.18)	02202043	_
1.75"-1.99" (4.44-5.05)	1,800	4,375	180	437	6" (15.24)	19" (48.26)	02202044	02402044
2.00"-2.49" (5.08-6.32)	2,150	5,500	215	550	9" (22.86)	21" (53.34)	02202045	02402045
2.50"-2.99" (6.35-7.59)	2,150	5,500	215	550	9" (22.86)	23" (58.42)	02202046	02402046
3.00"-3.49" (7.62-8.86)	3,250	10,190	325	1,019	11" (27.94)	25" (63.50)	02202047	02402047
3.50"-3.99" (8.89-10.13)	3,250	_	325	_	11" (27.94)	27" (68.58)	02202048	_

Offset Eye, Split Mesh, Rod Closing

For support when cable end is not available.

	Approx. Breaking Strength Lbs. (N)		Working	Load Lbs.	_			
Cable Diameter Range Inches (cm)	Tin-Coate Bronze	ed Stainless Steel	Tin-Coate Bronze	ed Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	500	1,000	50	100	4" (10.16)	7" (17.78)	02203037	02403037
.63"74" (1.60-1.88)	750	1,950	75	195	4" (10.16)	9" (22.86)	02203038	02403038
.75"99" (1.90-2.51)	950	1,950	95	195	4" (10.16)	10" (25.40)	02203039	02403039
1.00"-1.24" (2.54-3.15)	1,500	2,500	150	250	5" (12.70)	12" (30.48)	02203041	02403041
1.25"-1.49" (3.17-3.78)	1,500	4,200	150	420	5" (12.70)	14" (35.56)	02203042	02403042
1.50"-1.74" (3.81-4.42)	1,500	4,500	150	450	5" (12.70)	15" (38.10)	02203043	02403043
1.75"-1.99" (4.44-5.05)	2,000	4,375	200	437	6" (15.24)	16" (40.64)	02203044	02403044
2.00"-2.49" (5.08-6.32)	3,100	8,350	310	835	9" (22.86)	19" (48.26)	02203045	02403045
2.50"-2.99" (6.35-7.59)	3,100	_	310	_	9" (22.86)	20" (50.80)	02203046	_
3.00"-3.49" (7.62-8.86)	4,300	8,400	430	840	11" (27.94)	21" (53.34)	02203047	02403047
3.50"-3.99" (8.89-10.13)	4,900	_	490	_	11" (27.94)	21" (53.34)	02203048	_
3.50"-3.99" (8.89-10.13)	4,900		490		11" (27.94)	21" (53.34)	02203048	_

Note: E-Eye length. M-Mesh length at nominal diameter.





Standard Duty Support Grips

Universal Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Universal Eye, Closed Mesh

2.50"-2.99" (6.35-7.59)

For permanent suppo	ort when	cable end	is availabl	le to be in	stalled thro	ugh grip.		
		. Breaking th Lbs. (N)	Working L	oad Lbs.				
Cable Diameter Range Inches (cm)	Tin-Coate Bronze	d Stainless Steel	Tin-Coate Bronze	d Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	530	1,370	53	137	18" (45.72	10" (25.40)	02201051	02401051
.63"74" (1.60-1.88)	790	2,060	79	206	18" (45.72)	10" (25.40)	02201052	02401052
.75"99" (1.90-2.51)	1,020	2,066	102	207	18" (45.72)	13" (33.02)	02201053	02401053
1.00"-1.24" (2.54-3.15)	1,610	_	161	_	18" (45.72)	14" (35.56)	02201050	<u> </u>
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	18" (45.72)	15" (38.10)	02201054	02401054
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	18" (45.72)	17" (43.18)	02201055	02401055
1.75"-1.99" (4.44-5.05)	2,150	_	215	_	18" (45.72)	19" (48.26)	02201056	_
2.00"-2.49" (5.08-6.32)	3,260	_	326	_	18" (45.72)	21" (53.34)	02201057	_

18" (45.72)

23" (58.42)

02201058

326



Universal Eye, Split Mesh, Lace Closing

3,260

For permanent support when cable end is not available.

	Approx. Breaking Strength Lbs. (N) Tin-Coated Stainless Bronze Steel		Working	Load Lbs.		E M Inches (cm) Inches (cm)	Tin-Coated Bronze	Stainless Steel
Cable Diameter Range Inches (cm)			Tin-Coated Stainless Bronze Steel		_			
.50"62" (1.27-1.57)	530	-	53	_	18" (45.72	10" (25.40)	02202050	_
.63"74" (1.60-1.88)	790	2,060	79	206	18" (45.72)	10" (25.40)	02202051	02402051
.75"99" (1.90-2.51)	1,020	-	102	_	18" (45.72)	13" (33.02)	02202052	_
1.00"-1.24" (2.54-3.15)	1,610	_	161	_	18" (45.72)	14" (35.56)	02202054	_
1.25"-1.49" (3.17-3.78)	1,610	-	161	_	18" (45.72)	15" (38.10)	02202055	_
1.50"-1.74" (3.81-4.42)	1,610	_	161	_	18" (45.72)	17" (43.18)	02202056	_
1.75"-1.99" (4.44-5.05)	2,150	_	215	_	18" (45.72)	19" (48.26)	02202057	_
2.00"-2.49" (5.08-6.32)	3,260	_	326	_	18" (45.72)	21" (53.34)	02202058	_
2.50"-2.99" (6.35-7.59)	3,260	_	326	_	18" (45.72)	23" (58.42)	02202059	_
3.50"-3.99" (8.89-10.13)	4,900	_	490	_	18" (45.72)	27" (68.58)	02202061	_



Universal Eye, Split Mesh, Rod Closing

For support when cable end is not available

		Approx. Breaking Strength Lbs. (N)		Load Lbs.				
Cable Diameter Range Inches (cm)	Tin-Coated Stainless Bronze Steel		Tin-Coated Stainless Bronze Steel		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.50"62" (1.27-1.57)	790	_	79	_	18" (45.72	8.5" (21.59)	02203064	_
.63"74" (1.60-1.88)	790	2,050	79	205	18" (45.72)	8.5" (21.59)	02203065	02403065
.75"99" (1.90-2.51)	1,020	2,050	102	205	18" (45.72)	10.5" (26.67)	02203066	02403066
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	18" (45.72)	12.5" (31.75)	02203068	02403068
1.25"-1.49" (3.17-3.78)	1,610	4,500	161	450	18" (45.72)	14.5" (36.83)	02203069	02403069
1.50"-1.74" (3.81-4.42)	1,610	4,500	161	450	18" (45.72)	15.5" (39.37)	02203070	02403070
1.75"-1.99" (4.44-5.05)	2,150	_	215	_	18" (45.72)	16.5" (41.91)	02203071	_
2.00"-2.49" (5.08-6.32)	3,260	_	326	_	18" (45.72)	19.5" (49.53)	02203072	_
2.50"-2.99" (6.35-7.59)	3,260	_	326	_	18" (45.72)	21.5" (54.61)	02203073	_
3.00"-3.49" (7.62-8.86)	5,750	_	575	_	18" (45.72)	23.5" (59.69)	02203074	_



Note: E-Eye length. M-Mesh length at nominal diameter.



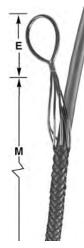
Non-Metallic Support Grips

Single Eye, Double Weave, Non-Metallic Aramid Fiber.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.



Kellems® Non-Metallic Support Grips

Kellems® Non-Metallic Support Grips, made of a high strength double weave aramid fiber, are available for supporting cable in corrosive environments.

Non-Metallic Support Grips, Single Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Color Code	Catalog Number
.50"62" (1.27-1.57)	1,000	100	6.0" (15.24)	22" (55.88)	Green	02601001
.63"74" (1.60-1.88)	2,000	200	6.0" (15.24)	24" (60.96)	Yellow	02601002
.75"99" (1.90-2.51)	2,000	200	6.0" (15.24)	28.5" (72.39)	Red	02601003
1.00"-1.24" (2.54-3.15)	3,000	300	6.0" (15.24)	31" (78.74)	Blue	02601004
1.25"-1.49" (3.17-3.78)	3,000	300	6.0" (15.24)	36.5" (92.71)	White	02601005
1.50"-1.99" (3.81-5.05)	3,000	300	6.0" (15.24)	40" (101.60)	Pink	02601006

Note: Specified for corrosive applications.

Heavy Duty Support Grips

Single Eye, Double Weave, Tin-Coated Bronze and Stainless Steel



Heavy Duty, Single Eye, Closed Mesh

For heavy duty permanent support when cable end is available to be installed through grip.

	Approx. Breaking Strength Lbs.		Working Load Lbs.					
Cable Diameter Range Inches (cm)	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"99" (1.90-2.51)	2,820	4,200	282	420	10" (25.40)	25" (63.50)	02206010	02406010
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	12" (30.48)	28" (71.12)	02206011	02406011
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	12" (30.48)	30" (76.20)	02206012	02406012
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,115	12" (30.48)	34" (86.36)	02206013	02406013



For permanent support when cable end is not available to be installed through grip.

	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.					
Cable Diameter Range Inches (cm)	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"99" (1.90-2.51)	2,820	4,200	282	420	10" (25.40)	25" (63.50)	02207010	02407010
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	12" (30.48)	28" (71.12)	02207011	02407011
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	12" (30.48)	30" (76.20)	02207012	02407012
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,115	12" (30.48)	34" (86.36)	02207013	02407013

Note: E-Eye length. M-Mesh length at nominal diameter.



Heavy Duty Support Grips

Double Eye, Double Weave, Tin-Coated Bronze and Stainless Steel.

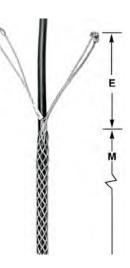
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Double Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip. Approx. Breaking Strength Lbs. (N) Working Load Lbs. Tin-Coated Stainless Tin-Coated Stainless Tin-Coated Cable Diameter Inches (cm) Inches (cm) Stainless Steel Range Inches (cm) Bronze Steel Bronze Steel Bronze .75"-.99" 10" (25.40) 25" (63.50) 02406001 2,820 4,250 282 02206001 (1.90 - 2.51)1.00"-1.24" 4,280 7,300 428 730 10" (25.40) 28" (71.12) 02206002 02406002 (2.54 - 3.15)1.25"-1.49" 4,280 7,300 428 30" (76.20) 02206003 02406003 730 10" (25.40) (3.17 - 3.78)1.50"-1.99" 4,280 428 34" (86.36) 02206004 02406004 11,100 1,110 10" (25.40) (3.81-5.05)2.00"-2.49" 8,050 20,100 805 2,010 12" (30.48) 36" (91.44) 02206005 02406005 (5.08-6.32)2.50"-2.99" 8,050 20,100 805 2,010 12" (30.48) 38" (96.52) 02206006 02406006 (6.35-7.59)2,520 02206007 02406007 3.00"-3.49" 10,060 25,200 1,006 12" (30.48) 40" (101.60) (7.62 - 8.86)3.50"-3.99" 12,070 1,207 12" (30.48) 44" (111.76) 02206008 (8.89-10.13) 4.00"-4.49" 12,070 1,207 12" (30.48) 46" (116.84) 02206009 (10.16-11.40) 4.50"-4.99" 12,070 1,207 12" (30.48) 68" (172.72) 02208009 (11.43-12.67)



Double Eye, Split Mesh, Lace Closing

For support when cable end is not available.

		. Breaking th Lbs. (N)	Working L	oad Lbs.				
Cable Diameter Range Inches (cm)	Tin-Coate Bronze	ed Stainless Steel	Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.75"99" (1.90-2.51)	2,820	4,250	282	425	10" (25.40)	25" (63.50)	02207001	02407001
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	10" (25.40)	28" (71.12)	02207002	02407002
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	10" (25.40)	30" (76.20)	02207003	02407003
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,110	10" (25.40)	34" (86.36)	02207004	02407004
2.00"-2.49" (5.08-6.32)	8,050	20,150	805	2,010	12" (30.48)	36" (91.44)	02207005	02407005
2.50"-2.99" (6.35-7.59)	8,050	20,150	805	2,010	12" (30.48)	38" (96.52)	02207006	02407006
3.00"-3.49" (7.62-8.86)	10,060	25,200	1,006	2,520	12" (30.48)	40" (101.60)	02207007	02407007
3.50"-3.99" (8.89-10.13)	12,070	30,200	1,207	3,020	12" (30.48)	44" (111.76)	02207008	02407008
4.00"-4.49" (10.16-11.40)	12,070	30,200	1,207	3,020	12" (30.48)	46" (116.84)	02207009	02407009
4.50"-4.99" (11.43-12.67)	12,070	_	1,207	_	12" (30.48)	68" (172.72)	02209009	_

E M

Note: E-Eye length. M-Mesh length at nominal diameter.



Service Drop Grips

Single Eye, Tin-Coated Bronze and Stainless Steel.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Light Duty, Single Eye, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed.

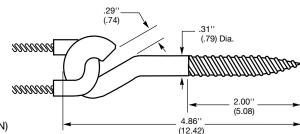
	Approx. I Strengt		Working Lo	oad Lbs.				
Cable Diameter Range Inches (cm)	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.23"31" (.5879)	290	700	29	70	3" (7.62)	3.75" (9.52)	02216001	02416001
.29"37" (.7494)	290	700	29	70	5" (12.70)	4.25" (10.79)	02216002	02416002
.35"44" (.89-1.12)	500	850	50	85	5.5" (13.97)	4.75" (12.06)	02216003	02416003
.41"50" (1.04-1.27)	500	850	50	85	5.5" (13.97)	5" (12.70)	02216004	02416004
.46"56" (1.17-1.42)	660	850	66	85	6" (15.24)	5.25" (13.33)	02216005	02416005
.52"62" (1.32-1.57)	790	1,050	79	105	7" (17.78)	6.25" (15.87)	02216006	02416006
.58"68" (1.47-1.73)	790	1,050	79	105	7" (17.78)	6¹ " (16.51)	02216007	02416007
.64"75" (1.63-1.90)	790	1,050	79	105	7" (17.78)	6.75" (17.14)	02216008	02416008
.70"81" (1.78-2.06)	790	2,050	79	205	7" (17.78)	7.25" (18.41)	02216009	02416009
.75"87" (1.90-2.21)	1,020	2,050	102	205	8" (20.32)	8" (20.32)	02216010	02416010
.81"94" (2.06-2.39)	1,020	2,050	102	205	8" (20.32)	8.25" (20.95)	02216011	02416011
.87"-1.00" (2.21-2.54)	1,020	_	102	_	8" (20.32)	8.75" (22.22)	02216012	_
.94"-1.06" (2.39-2.69)	1,020	2,050	102	205	9" (22.86)	9" (22.86)	02216013	02416013
1.00"-1.18" (2.54-3.00)	1,020	2,050	102	205	9" (22.86)	9.5" (24.13)	02216014	02416014
1.06"-1.25" (2.69-3.17)	1,020	2,050	102	205	9" (22.86)	9.5" (24.13)	02216015	02416015

Heavy Duty, Single Eye, Closed Mesh, Multi-Weave

For permanent support when cable end is available to be installed.

	Approx. I Strengt		Working Lo	oad Lbs.				
Cable Diameter Range Inches (cm)	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel	E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
.23"31" (.5879)	500	1,400	50	140	5" (12.70)	4.5" (11.43)	02217001	02417001
.29"37" (.7494)	500	1,150	50	115	5" (12.70)	5.5" (13.97)	02217002	02417002
.35"44" (.89-1.12)	870	1,700	87	170	6" (15.24)	6.5" (16.51)	02217003	02417003
.41"50" (1.04-1.27)	870	1,700	87	170	6" (15.24)	7.5" (19.05)	02217004	02417004
.46"56" (1.17-1.42)	1,050	2,100	105	210	6" (15.24)	8" (20.32)	02217005	02417005
.52"62" (1.32-1.57)	1,050	2,100	105	210	7" (17.78)	8.5" (21.59)	02217006	02417006
.58"68" (1.47-1.73)	1,050	2,100	105	210	7" (17.78)	9.5" (24.13)	02217007	02417007
.64"75" (1.63-1.90)	1,390	4,161	139	416	7" (17.78)	9.5" (24.13)	02217008	02417008
.70"81" (1.78-2.06)	1,390	4,100	139	410	8" (20.32)	10.5" (26.67)	02217009	02417009
.75"87" (1.90-2.21)	1,390	_	139	_	8" (20.32)	10.5" (26.67)	02217010	_
.81"94" (2.06-2.39)	1,390	_	139	_	8" (20.32)	10.5" (26.67)	02217011	_
.87"-1.00" (2.21-2.54)	1,790	5,350	179	535	8" (20.32)	11.5" (29.21)	02217012	02417012
.94"-1.06" (2.39-2.69)	1,790	5,300	179	530	9" (22.86)	12.5" (31.75)	02217013	02417013
1.00"-1.18" (2.54-3.00)	1,790	5,300	179	530	9" (22.86)	13.5" (34.29)	02217014	02417014
1.06"-1.25" (2.69-3.17)	1,790	5,350	179	535	9" (22.86)	14.5" (36.83)	02217015	02417015

Note: E-Eye length. M-Mesh length at nominal diameter.



Screw Hook Catalog Number **20303001** Yield Strength 900 lbs (4003 N)





Service Drop Grips

Universal Eye, Tin-Coated Bronze.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Light Duty, Universal Eye, Closed Mesh, Single Weave

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.23"31" (.5879)	290	29	9" (22.86)	3.75" (9.52)	02216016
.29"37" (.7494)	290	29	10" (25.40)	4.25" (10.79)	02216017
.35"44" (.89-1.12)	500	50	10" (25.40)	4.75" (12.06)	02216018
.41"50" (1.04-1.27)	500	50	11" (27.94)	5" (12.70)	02216019
.46"56" (1.17-1.42)	660	66	12" (30.48)	5.25" (13.33)	02216020
.52"62" (1.32-1.57)	790	79	13" (33.02)	6.25" (15.87)	02216021
.58"68" (1.47-1.73)	790	79	13" (33.02)	6.5" (16.51)	02216022
.64"75" (1.63-1.90)	790	79	13" (33.02)	6.75" (17.14)	02216023
.70"81" (1.78-2.06)	790	79	13" (33.02)	7.25" (18.41)	02216024
.75"87" (1.90-2.21)	1,020	102	14" (35.56)	8" (20.32)	02216025
.81"94" (2.06-2.39)	1,020	102	14" (35.56)	8.25" (20.95)	02216026
.87"-1.00" (2.21-2.54)	1,020	102	14" (35.56)	8.75" (22.22)	02216027
.94"-1.06" (2.39-2.69)	1,020	102	15" (38.10)	9" (22.86)	02216028
1.00"-1.18" (2.54-3.00)	1,020	102	15" (38.10)	9.5" (24.13)	02216029
1.06"-1.25" (2.69-3.17)	1,020	102	15" (38.10)	9.5" (24.13)	02216030



Heavy Duty, Universal Eye, Closed Mesh, Multi-Weave

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.23"31" (.5879)	500	50	11" (27.94)	4.5" (11.43)	02217016
.28"37" (.7494)	500	50	11" (27.94)	5.5" (13.97)	02217017
.35"44" (.89-1.12)	870	87	12" (30.48)	6.5" (16.51)	02217018
.41"50" (1.04-1.27)	870	87	12" (30.48)	7.5" (19.05)	02217019
.46"56" (1.17-1.42)	1,050	105	12" (30.48)	8" (20.32)	02217020
.52"62" (1.32-1.57)	1,050	105	13" (33.02)	8.5" (21.59)	02217021
.58"68" (1.47-1.73)	1,050	105	13" (33.02)	9.5" (24.13)	02217022
.64"75" (1.63-1.90)	1,390	139	13" (33.02)	9.5" (24.13)	02217023
.70"81" (1.78-2.06)	1,390	139	14" (35.56)	10.5" (26.67)	02217024
.75"87" (1.90-2.21)	1,390	139	14" (35.56)	10.5" (26.67)	02217025
.81"94" (2.06-2.39)	1,390	139	14" (35.56)	10.5" (26.67)	02217026
.87"-1.00" (2.21-2.54)	1,790	179	14" (35.56)	11.5" (29.21)	02217027
.94"-1.06" (2.39-2.69)	1,790	179	15" (38.10)	12.5" (31.75)	02217028
1.00"-1.18" (2.54-3.00)	1,790	179	15" (38.10)	13.5" (34.29)	02217029
1.06"-1.25" (2.69-3.17)	1,790	179	15" (38.10)	14.5" (36.83)	02217030

Dim. to
Sliding Bar
Fully Ext'd.

E

M
M

Note: E-Eye length. M-Mesh length at nominal diameter.



Bus Drop Support Grips

Single Eye, Universal Eye, Galvanized Steel.



IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.

Safety Spring

Maximum Deflection Inches/Lbs (cm/N)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Length* Inches (cm)	Diameter Inches (cm)	Model Lbs. (N)	Catalog Number
2 ³ / ₄ " at 40 lbs. (6.98 at 178)	500	50	8.25" (20.95)	.75" (1.90)	40 lb. spring (178)	20302001
31/ ₈ " at 80 lbs. (7.94 at 356)	850	85	8.25" (20.95)	1" (2.54)	80 lb. spring (356)	20302002

Note: Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.

*No load.



Single Eye, Wide Range

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.24"32" (.6181)	350	35	3" (7.62)	3.5" (8.89)	073041276**
.32"43" (.81-1.09)	450	45	4" (10.16)	4" (10.16)	073041277
.43"56" (1.09-1.42)	550	55	6" (15.24)	4.75" (12.06)	073041278
.56"73" (1.42-1.85)	1,000	100	7" (17.78)	6" (15.24)	073041279
.73"85" (1.85-2.16)	1,400	140	7" (17.78)	6.75" (17.14)	073041280
.85"-1.00" (2.16-2.54)	1,400	140	8" (20.32)	8" (20.32)	073041281
1.00"-1.25" (2.54-3.17)	1,500	150	9" (22.86)	9.5" (24.13)	073041282

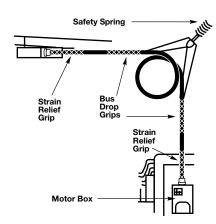


Universal Eye, Wide Range

	Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
	.32"43" (.81-1.09)	450	45	10" (25.40)	4" (10.16)	073041284
r I.	.43"56" (1.09-1.42)	550	55	12" (30.48)	4.75" (12.06)	073041285
	.56"73" (1.42-1.85)	1,000	100	13" (33.02)	6" (15.24)	073041286
	.73"85" (1.85-2.16)	1,400	140	13" (33.02)	6.75" (17.14)	073041287
	.85"-1.00" (2.16-2.54)	1,400	140	14" (35.56)	8" (20.32)	073041288
	1.00"-1.25" (2.54-3.17)	1,500	150	15" (38.10)	9.5" (24.13)	073041289

Note: E-Eye length. M-Mesh length at nominal diameter.

^{**}Item indicated is not UL listed.



Bus Drop Grips and Safety Springs

Kellems Bus Drop Grips are offered with either a single eye or universal bale attachment. The mesh is single weave galvanized steel with the patented wide range construction. They are suitable for indoor use only. Consult Technical Service for Stainless Steel Grips.

Application

Bus Drop Grips provide a safe, easy and economical method to support flexible cord or bus drop cable at bus duct and other industrial areas.

Benefits

- Easily installed
- Absorb tension, vibration and pull with no cable damage
- Patented mesh construction

Safety Spring

Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.

Conduit Riser Grips

Single Weave, Closed Mesh

Kellems® Conduit Riser Support Grips are available in closed mesh and in split mesh with lace or rod closures, to cover all applications including single cable or multiple wire support. Refer to page W-37 for grip selection assistance for cable bundles. The standard material is tin-coated bronze strand. The grip is permanently fastened to a support ring, resulting in a one piece unit which will allow air ventilation within the conduit. The ring will fit standard electrical rigid metal conduit and schedule 40 rigid PVC conduit only. See page W-32 for ring dimensions. For permanent support when cable end is available to be installed through the grip.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.





IMPORTANT:

Recommended safety factor is ten for catalog listed support grips.

Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

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Cable Sizes In. (cm)	.50"62" (1.27-1.57)	.63"74" (1.60-1.88)	.75"99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"-1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50" -2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50"- 3.99" (8.89-10.13)
Model	R050	R062	R075	R100	R125	R150	R175	R200	R250	R300	R350
Length In. (cm)	8" (20.32)	9" (22.86)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	Catalog Nun	nber aking Strength	Lbs. (N)								
3/4	02211106 530 (2,357)	_	_	_	_	_	_	_	_	_	_
1	02211100 490 (2,179)	02211101 790 (3,514)	_	_	_	_	_	_	_	_	_
11/4	02211001 450 (2,002)	02211002 740 (3,292)	02211003 1,030 (4,581)	_	_	_	_	_	_	_	_
11/2	_	02211006 690 (3,069)	02211007 970 (4,315)	02211009 1,610 (7,161)	_	_	_	_	_	_	_
2	_	02211107 640 (2,847)	02211010 920 (4,092)	02211012 1,520 (6,761)	02211013 1,610 (7,161)	_	_	_	_	_	_
21/2	_	_	_	_	02211017 1,510 (6,716)	02211018 1,610 (7,161)	02211019 2,150 (9,563)	_	_	_	_
3	_	_	_	02211022 1,340 (5,960)	02211023 1,400 (6,227)	02211024 1,490 (6,627)	02211025 1,990 (8,851)	02211026 3,260 (14,500)	_	_	_
3½	_	_	_	_	-	_	_	02211033 2,970 (13,211)	02211034 3,260 (14,500)	_	_
4	_	_	_	_	-	_	02211040 1,670 (7,248)	02211041 2,680 (11,921)	02211042 2,890 (12,855)	02211043 4,080 (18,148)	_
5	_	_	_	_	_	_	_	_	02211061 2,150 (9,563)	02211062 2,860 (12,721)	02211063 3,130 (13,922)
6	_	_	_	_	_	_	_	_	_	02211072 2,245 (9,986)	02211073 2,245 (9,986)

Note: See page W-37 for multiple cables in a single conduit riser grip.



Conduit Riser Grips

Double Weave, Split Mesh, Lace Closing

Kellems[®] Conduit Riser Support Grips will support cable runs in vertical or sloping standard rigid conduit. The grip is fastened to a support ring which seats on the rim of the conduit. The entire grip is supported by the conduit itself and no other hardware is required. See page W-32 for ring dimensions. The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only. For permanent support when cable end is not available.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.



IMPORTANT:

Recommended safety factor is ten for catalog listed support grips.

Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.75"99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"- 1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50" -3.99" (8.89-10.13)
Model	RS075	RS100	RS125	RS150	RS175	RS200	RS250	RS300	RS350
Length In. (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	Catalog Numbe Approx. Breakin	r ig Strength Lbs. (N	N)						
11/4	02212003 1,580 (7,028)	_	<u> </u>	<u> </u>	_	_	_	_	<u>-</u>
11/2	02212007 1,500 (6,672)	_	_	_	_	_	_	_	_
2	02212010 1,430 (6,361)	02212012 1,930 (8,585)	02212013 2,040 (9,074)	_	_	_	_	_	_
21/2	_	_	02212017 1,910 (8,496)	02212018 2,040 (9,074)	_	_	_	_	_
3	_	_	02212023 1,780 (7,917)	02212024 1,890 (8,407)	02212025 2,520 (11,209)	02212026 4,300 (19,126)	_	_	_
31/2	_	_	_	_	_	02212033 3,910 (17,392)	02212034 4,300 (19,126)	_	_
4	_	_	_	_	02212040 2,110 (9,385)	02212041 3,530 (15,701)	02212042 3,820 (16,991)	02212043 5,380 (23,930)	_
5	_	_	_	_	_	_	02212061 2,860 (12,721)	_	_
6	_	_	_	_	_	_	_	_	02212073 2,955 (13,144)

Note: See page W-37 for multiple cables in a single conduit riser grip.



Conduit Riser Grips

Single Weave, Split Mesh, Rod Closing

- Easy and fast to install
- Will not damage electrical cable
- Allows cable to expand or contract
- Ideal way to hold cable in vertical conduit
- Prevents cable creep in conduit
- Helps prevent cable pullouts
- The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only
- For support when cable end is not available

IMPORTANT:

Recommended safety factor is ten for catalog listed support grips.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.



Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.75"99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"- 1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50" -3.99" (8.89-10.13)
Model	RR075	RR100	RR125	RR150	RR175	RR200	RR250	RR300	RR350
Length In. (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	Catalog Numbe Approx. Breakin	r ig Strength Lbs. (N	۷)					'	
11/4	02213003 1,020 (4,537)	_	_	_	_	_	_	_	_
11/2	02213007 970 (4,315)	02213009 1,610 (7,161)	_	_	_	_	_	_	_
2	_	02213012 1,520 (6,761)	02213013 1,610 (7,161)	_	_	_	_	_	_
21/2	_	_	02213017 1,510 (6,716)	02213018 1,610 (7,161)	_	_	_	_	_
3	_	_	02213023 1,400 (6,227)	02213024 1,490 (6,627)	02213025 1,990 (8,851)	02213026 3,260 (14,500)	_	_	_
31/2	_	_	_	_	_	02213033 2,970 (13,211)	_	_	_
4	_	_	_	_	_	02213041 2,670 (11,876)	02213042 2,890 (12,855)	_	_

Note: See page W-37 for multiple cables in a single conduit riser grip.

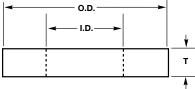
Conduit Ring Dimensions

Ring dimensions are found in the chart below. The ring material is corrosion resistant. These rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only.

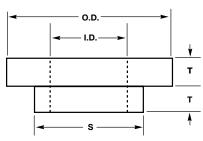
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-33 and W-34.



Conduit Size 3/4" and 1"



Conduit Size 11/4" to 6"

Conduit Size Inches	Ring Number	O.D. Inches (cm)	I.D. Inches (cm)	S Inches (cm)	T Inches (cm)
3/4	C-3/4	.94" (2.39)	.62" (1.57)	_	.19" (.48)
1	C-1	1.17" (2.97)	.80" (2.03)	_	.19" (.48)
11/4	C-11/4	1.50" (3.81)	1.03" (2.62)	1.31" (3.33)	.16" (.41)
11/2	C-1½	1.76" (4.47)	1.23" (3.12)	1.52" (3.86)	.16" (.41)
2	C-2	2.23" (5.66)	1.55" (3.94)	1.97" (5.00)	.16" (.41)
21/2	C-2½	2.67" (6.78)	2.05" (5.21)	2.40" (6.10)	.16" (.41)
3	C-3	3.20" (8.13)	2.55" (6.48)	2.97" (7.54)	.22" (.56)
31/2	C-3½	3.80" (9.65)	3.05" (7.75)	3.47" (8.81)	.22" (.56)
4	C-4	4.30" (10.92)	3.55" (9.02)	3.94" (10.01)	.22" (.56)
41/2	C-4½	4.80" (12.19)	4.03" (10.24)	4.45" (11.30)	.22" (.56)
5	C-5	5.30" (13.46)	4.46" (11.33)	4.96" (12.60)	.22" (.56)
6	C-6	6.30" (16.00)	5.36" (13.61)	5.96" (15.14)	.25" (.63)

Kellems® Support Grips

Kellems Support Grips are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction. Kellems Support Grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302-304 SST for severe service or unusual environmental conditions, are available on request.

Select the Correct Support Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

- Step 1 Refer to the Kellems chart below to determine the grip style best suited for your application.
- Step 2 Determine your cable outside diameter.
- Step 3 Find the grip size that encompasses your cable diameter.
- Step 4 Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.
- Step 5 Where available, select an eye style that suits your needs.
- **Step 6** Select the proper material—tinned bronze or stainless steel*.
- **Step 7** Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page W-34 for safety and working load considerations.

WARNING:

It is very important to read and understand all safety information before proceeding. Failure to use as directed may result in property damage, personal injury or death.

Grips are to be installed and utilized by a qualified technician in accordance with all applicable national and local safety and electrical codes. Consult a licensed project safety professional, if necessary.

Ensure that the correct grip is selected for your specific needs. Grips should only be used for their intended purpose and not for other applications. Banding the tail end of the grip is required to prevent unintended release of the grip's hold from the cable and to achieve maximum gripping strength The strength of a Kellems grips is based on laboratory testing and does not evaluate variable conditions such as cable type, gripping surfaces, cable movement or impact loads. Suitability for the application must be determined by the user. Thoroughly examine the condition of the grip prior to each use. Grips that are worn, bent, corroded, or show other signs of damage, such as frayed or broken wires, should never be used and must be replaced.

Do not modify the grip in any way.

Ensure that the recommended work load of the grip is suitable for the application. Never use a grip beyond its safe working load, which is the approximate breaking strength divided by the factor of safety. The recommended factor of safety is five (5) for pulling grips and ten (10) for support grips.

Pulling hardware should only be attached to the eye of the grip. A swivel is recommended for attachment to the grip's eye in applications where torque release is necessary. Torque can build up in high tension pulling

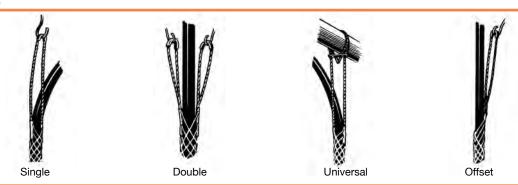
Do not run grips and swivels around sheaves or bull wheels while under tension. For synthetic rope, use Kellems Dua-Pull Grips only.

Support Grip Selection Chart

Grip Styles	Application
Closed mesh	Standard, permanent support, cable end available.
Split lace closing	Standard, permanent support, cable end unavailable.
Split rod closing	Standard, temporary support, cable end unavailable. Tape or band tail end of wire mesh grip after positioning for permanent support.
Material*	Tin-coated bronze standard or stainless steel by special request.
Standard support grips	Support vertical runs to 99 ft. loads to 600 lbs.
Heavy duty grips	Support vertical runs over 100 ft. loads over 600 lbs.
Service drop	Light duty to support service entrance cable.
Bus drop	Light duty support, indoors only, on Bus drop cable.
Conduit riser	Support cable runs in rigid (Schedule 40) conduit.
Fiber optic cable support a	rips Support fiber optic cable

Note: "Most catalog listed support grips are made of tin-coated bronze strand. To order stainless steel support grips, change the first three catalog number digits from 022-0X-xxx to 024-0X-xxx. Consult Technical Service for details

Eye Styles



Safety and Working Load Factors for Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the

conditions of the application are not well defined or known, or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained, and inspected by the user at a frequency appropriate for the use and condition of the grip.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	27,200 (120,986)	5	5,440 (24,197)	03301027
Support Grips	1,610 (7,161)	10	161 (716)	02202019

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable for the application.

The metric unit of measure (force) for breaking strength and load is newtons (N). To convert from newtons to the metric unit of weight (kilograms) the conversion factor is 9.808 newtons/kilogram.

Support Grip Materials

Material	Features	Grip Type
Tin-coated bronze wire	Corrosion resistant for normal outside areas	Support grips
	Non-magnetic	 Service drop grips
	 Moderate strength 	 Conduit riser grips
Stainless steel wire	High strength	Support grips
(302-304)	 Corrosion resistant 	 Hose containment grips
Galvanized steel wire	Slightly magnetic	Bus drop grips
	• Not subject to continuous outside environment	
Non-metallic aramid fiber	Corrosion resistant for highly corrosive gases	Support grips

Approvals

CSA Certifications are indicated on appropriate product catalog pages.

Note: It is always recommended that the tail end of the grip be banded after the installation on the cable to prevent accidental release of the mesh. See page W-16 for end bands.

Split Support Grip Lace Closing Instructions

Single Weave Grips should be laced with single strand lacing; double weave with double strand. Lacing strands should be the same material as the grip. Kellems supplies the appropriate lacing with each grip.

- 1. Start the lacing at the lead or anchoring end of the grip. Thread the lacings through the first two loops of the split and pull through until the lacings are centered at this point. Lace as you would your shoe, crossing the lacings before lacing the next two loops.
- 2. Don't pull lacing too tight. Leave a space between adjoining loops approximately equal to the width of one diamond of the mesh.
- 3. Twist the lacing strands tightly together at the tail end of the grip.
- 4. Wrap the ends of the lacings once or twice tightly around the tail of the grip, twisting the ends together securely. Excess lace can be cut off.











Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

1. Fast to install

- Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops.
- 2. The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.
- 3. To remove, simply pull the rod out.







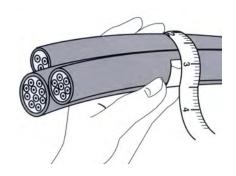


For Support Grips Only*

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

- **1.** Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
- 2. Divide the bundle circumference by 3.14 to determine the diameter.
- **3.** Choose a grip offering a range of cable diameters the same as the cable diameter.



For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .89" (2.26) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.3038	.2531	.2227	.1924	.1722	.1519	.1418	.5061
(.7697)	(.6379)	(.5669)	(.4861)	(.4356)	(.3848)	(.3646)	(1.27-1.55)
.3844	.3136	.2731	.2429	.2226	.1923	.1821	.6274
(.97-1.12)	(.7991)	(.6979)	(.6174)	(.5666)	(.4858)	(.4653)	(1.57-1.88)
.4459	.3649	.3142	.2938	.2634	.2331	.2128	.7599
(1.12-1.50)	(.91-1.24)	(.79-1.07)	(.7497)	(.6686)	(.5879)	(.5371)	(1.90-2.51)
.5975	.4963	.4254	.3848	.3443	.3139	.2835	1.00-1.24
(1.50-1.90)	(1.24-1.60)	(1.07-1.37)	(.97-1.22)	(.86-1.09)	(.7999)	(.7189)	(2.54-3.15)
.7590	.6376	.5465	.4858	.4352	.3946	.3542	1.25-1.49
(1.90-2.29)	(1.60-1.93)	(1.37-1.65)	(1.22-1.47)	(1.09-1.32)	(.99-1.17)	(.89-1.07)	(3.17-3.78)
.90-1.07	.7689	.6577	.5867	.5260	.4654	.4249	1.50-1.74
(2.29-2.72)	(1.93-2.26)	(1.65-1.96)	(1.47-1.70)	(1.32-1.52)	(1.17-1.37)	(1.07-1.24)	(3.81-4.42)
1.07-1.22	.89-1.02	.7788	.6777	.6069	.5462	.4956	1.75-1.99
(2.72-3.10)	(2.26-2.59)	(1.96-2.24)	(1.70-1.96)	(1.52-1.75)	(1.37-1.57)	(1.24-1.42)	(4.44-5.05)
1.22-1.53	1.02-1.28	.88-1.10	.7796	.6986	.6277	.5671	2.00-2.49
(3.10-3.89)	(2.59-3.25)	(2.24-2.79)	(1.96-2.44)	(1.75-2.18)	(1.57-1.96)	(1.42-1.80)	(5.08-6.32)
1.53-1.83	1.28-1.53	1.10-1.32	.96-1.16	.86-1.03	.7793	.7185	2.50-2.99
(3.89-4.65)	(3.25-3.89)	(2.79-3.35)	(2.44-2.95)	(2.18-2.62)	(1.96-2.36)	(1.80-2.16)	(6.35-7.59)
1.83-2.14	1.53-1.79	1.32-1.54	1.16-1.35	1.03-1.20	.93-1.08	.8599	3.00-3.49
(4.65-5.44)	(3.89-4.55)	(3.35-3.91)	(2.95-3.43)	(2.62-3.05)	(2.36-2.74)	(2.16-2.51)	(7.62-8.86)
2.14-2.44	1.79-2.05	1.54-1.76	1.35-1.54	1.20-1.37	1.08-1.24	.99-1.13	3.50-3.99
(5.44-6.20)	(4.55-5.21)	(3.91-4.47)	(3.43-3.91)	(3.05-3.48)	(2.74-3.15)	(2.51-2.87)	(8.89-10.13)
2.44-2.75	2.05-2.30	1.76-1.98	1.54-1.74	1.37-1.55	1.24-1.39	1.13-1.27	4.00-4.49
(6.20-6.98)	(5.21-5.84)	(4.47-5.03)	(3.91-4.42)	(3.48-3.94)	(3.15-3.53)	(2.87-3.23)	(10.16-11.40)
2.75-3.06	2.30-2.56	1.98-2.20	1.74-1.93	1.55-1.72	1.39-1.55	1.27-1.41	4.50-4.99
(6.98-7.77)	(5.84-6.50)	(5.03-5.59)	(4.42-4.90)	(3.94-4.37)	(3.53-3.94)	(3.23-3.58)	(11.43-12.67)

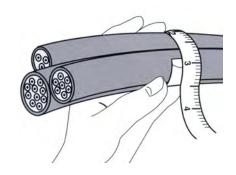
Note: "This chart is to be used for determining grip size when multiple cables are held in a single Support Grip. For Conduit Riser multiple cable selection, see page W-37. It is always recommended that, when multiple cables are installed in a Support Grip, the tail end of the grip be banded after installation on the cable bundle. See page Tech-23 for cable and wire charts.

For Conduit Riser Grips Only*

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

- **1.** Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
- **2.** Divide the bundle circumference by 3.14 to determine the diameter.
- **3.** Choose a grip offering a range of cable diameters the same as the cable diameter.



For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

Example: 3 cables, each with .85" (2.16) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

Number of Equal Diameter Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.2936	.2430	.2125	.1822	.1620	.1518	.1417	.5062
(.7491)	(.6176)	(.5363)	(.4656)	(.4151)	(.3846)	(.3643)	(1.27-1.57)
.3743	.3136	.2630	.2327	.2124	.1922	.1820	.6374
(.94-1.09)	(.7991)	(.6676)	(.5869)	(.5361)	(.4856)	(.4651)	(1.60-1.88)
.4458	.3748	.3141	.2836	.2532	.2329	.2127	.7599
(1.12-1.47)	(.94-1.22)	(.79-1.04)	(.7191)	(.6381)	(.5874)	(.5369)	(1.90-2.51)
.5972	.4960	.4251	.3745	.3340	.3036	.2834	1.00-1.24
(1.50-1.83)	(1.24-1.52)	(1.07-1.30)	(.94-1.14)	(.84-1.02)	(.7691)	(.7186)	(2.54-3.15)
.7387	.6172	.5261	.4654	.4148	.3743	.3540	1.25-1.49
(1.85-2.21)	(1.55-1.83)	(1.32-1.55)	(1.17-1.37)	(1.04-1.22)	(.94-1.09)	(.89-1.02)	(3.17-3.78)
.88-1.01	.7385	.6271	.5563	.4956	.4451	.4147	1.50-1.74
(2.24-2.57)	(1.85-2.16)	(1.57-1.80)	(1.40-1.60)	(1.24-1.42)	(1.12-1.30)	(1.04-1.19)	(3.81-4.42)
1.02-1.16	.8696	.7281	.6472	.5764	.5258	.4854	1.75-1.99
(2.59-2.95)	(2.18-2.44)	(1.83-2.06)	(1.63-1.83)	(1.45-1.63)	(1.32-1.49)	(1.22-1.37)	(4.44-5.05)
1.17-1.44	.97-1.20	.82-1.02	.7390	.6580	.5972	.5567	2.00-2.49
(2.97-3.66)	(2.46-3.05)	(2.08-2.59)	(1.85-2.29)	(1.65-2.03)	(1.50-1.83)	(1.40-1.70)	(5.08-6.32)
1.45-1.73	1.21-1.45	1.03-1.22	.91-1.08	.8196	.7387	.6881	2.50-2.99
(3.68-4.39)	(3.07-3.68)	(2.62-3.10)	(2.31-2.74)	(2.06-2.44)	(1.85-2.21)	(1.73-2.06)	(6.35-7.59)
1.74-2.02	1.46-1.69	1.23-1.43	1.09-1.26	.97-1.11	.83-1.01	.8294	3.00-3.49
(4.42-5.13)	(3.71-4.29)	(3.12-3.63)	(2.77-3.20)	(2.46-2.82)	(2.11-2.57)	(2.08-2.39)	(7.62-8.86)
2.03-2.31	1.70-1.93	1.44-1.63	1.27-1.44	1.12-1.27	1.02-1.15	.95-1.08	3.50-3.99
(5.16-5.87)	(4.32-4.90)	(3.66-4.14)	(3.23-3.66)	(2.84-3.23)	(2.59-2.92)	(2.41-2.74)	(8.89-10.13)

Note: *This chart is to be used for determining grip size when multiple cables are held in a single Conduit Riser Grip. For Support Grip multiple cable selection, see page W-36. It is always recommended that, when multiple cables are installed in a Conduit Riser Grip, the tail end of the grip be banded after installation on the cable bundle. See page Tech-23 for cable and wire charts.

Features and Benefits

Fiber Optic Pulling Grips

Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK® an effective tool to place pre-terminated cables. Also available are grips to support fiber optic cable.





Non-Metallic

 OPTISOK® non-metallic fiber optic pulling tool for pre-terminated, inside plant fiber optic cables and bundles of twisted pair



Comprehensive Offering

- Hubbell offers a full line of fiber optic pulling grips for all application needs
- OPTISOK® Grip is a revolutionary tool to pull pre-terminated fiber optic cables
- They will protect the connectors and guide the bundle through the pulling environment



Galvanized Steel

- Kellems flexible eye pulling grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures
- They will fit single cables or cable bundles, are easily installed on the cable and are reusable

OPTISOK® Non-Metallic Fiber Optic Pulling Tool for Pre-Terminated, Inside Plant Fiber Optic Cables and Bundles of Twisted Pair

Kellems offers a unique and simple to use tool for the installation of pre-connectorized fiber optic cables, jumpers and bundles of twisted pair communication cables - the OPTISOK®.

IMPORTANT:

Read all breaking strength. safety and technical data relating to this product.

Refer to pages W-44 and W-45.

The OPTISOK® is a highly flexible and expandable non-metallic sleeve open on one end and with a pulling ring on the other. It will expand to enclose the larger group of fiber optic connectors and grab the cable below the connector bundle by wrapping and taping to provide a gripping tool that will grab the cable(s) below the connectors. The pulling ring can be attached to a pulling line or fish tape and the OPTISOK® will act as the pulling tool.

OPTISOK® will contain and protect the connector bundle and save time and labor by making the pulling job easier, protecting the connectors from possible damage during the pull and facilitating the passage of the connector bundle through cramped and tight spaces. The OPTISOK® can be used to pull cables through plenums, underfloor duct, office partitions, raised access floors and conduits. Three sizes are available for all applications.

OPTISOK® Non-Metallic Fiber Optic Pulling Tool

Bundle/Size Range Inches (cm)	Maximum Work Load Lbs.	Approx. O/A Length Inches (cm)	Ring O.D. Inches (cm)	Ring Thickness Inches (cm)	Catalog Number
.125"562" (.318-1.427)	30	28" (71.12)	.71" (1.803)	.10" (.254)	CCPS1
.250"750" (.635-1.905)	40	31" (78.74)	.71" (1.803)	.10" (.254)	CCPS2
.750"-1.750" (1.905-4.445)	50	33" (83.82)	1.57" (3.988)	.16" (.406)	CCPS3

How to Select OPTISOK®

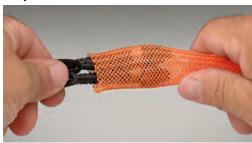
- Identify connector bundle diameter to be inserted into the OPTISOK®.
- Choose appropriate catalog number based on size range.

Installation Information

- Expand open end of OPTISOK® and gently work in fiber optic connector bundle. Step 1
- Step 2 Still gently, work connector bundle up to the forward section of the OPTISOK®.
- Starting at approximately 6" (15.2cm) from tail end of OPTISOK®, tightly fold over the OPTISOK® around cables and tape Step 3 wrapped section 3" (7.62cm) past tail end onto the bundle.
- Securely attach pulling line or tape to pulling ring.

Note: To remove OPTISOK® carefully unwrap tape and slide out cables and connectors or cut OPTISOK® away without damaging connectors or cables.

Step 1



Step 3



Step 2



Step 4





Pulling Grips for Other Outside Plant Cables, Swivel Eye, Flexible Eye, Split Style, Low Profile

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

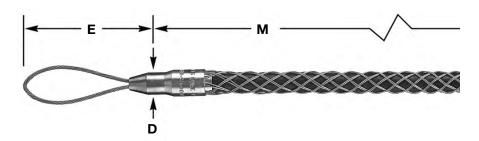
Refer to pages W-44 and W-45.

Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

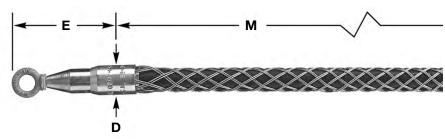
Benefits

- High strength multiweave mesh for positive holding power
- Highly flexible mesh to follow the pulling path of the cable
- Steel nose cone reduces snags and hang-ups and protects cable end
- · Easily installed and removed
- A dependable, reusable pulling tool



Fiber Optic Pulling Grip, Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Number
.10"22" (.2556)	1,000	200	5.5" (14)	9" (23)	0.8" (2)	033291000
.21"35" (.5389)	1,500	300	5.5" (14)	14" (36)	0.8" (2)	033291001
.32"48" (.81-1.22)	2,200	440	6.0" (15)	18" (46)	0.9" (2.29)	033291002
.42"61" (1.07-1.55)	2,800	560	6.0" (15)	21" (53)	0.9" (2.29)	033291003
.53"74" (1.35-1.88)	3,300	660	6.5" (17)	24" (61)	1.3" (3.30)	033291004
.64"87" (1.63-2.21)	4,700	940	6.5" (17)	27" (69)	1.3" (3.30)	033291005



Fiber Optic Pulling Grip, Swivel Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Number
.21"35" (.5389)	1,500	300	4.0" (10.16)	14" (35.56)	0.9" (2.29)	033291008
.32"48" (.81-1.22)	2,200	440	4.0" (10.16)	18" (45.72)	0.9" (2.29)	033291009
.42"61" (1.07-1.55)	2,800	560	4.0" (10.16)	21" (53.34)	0.9" (2.29)	033291010
.53"74" (1.35-1.88)	3,250	650	4.8" (12.19)	24" (60.96)	1.3" (3.30)	033291011
.64"87" (1.63-2.21)	4,700	940	4.8" (12.19)	27" (68.58)	1.3" (3.30)	033291012

Note: E-Eye length. M-Mesh length at nominal diameter.



Pulling Grips for Other Outside Plant Cables, Swivel Eye, Flexible Eye, Split Style, Low Profile

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

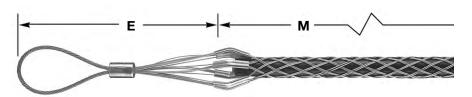
Refer to pages W-44 and W-45.

Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

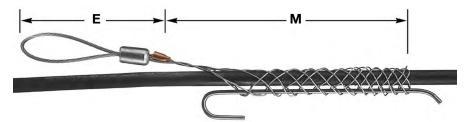
Benefits

- High strength multiweave mesh for positive holding power
- Highly flexible mesh to follow the pulling path of the cable
- · Steel nose cone reduces snags and hang-ups and protects cable end
- Easily installed and removed
- A dependable, reusable pulling tool



Fiber Optic Pulling Grip, Flexible Eye, Low Profile, Double/Single Weave Mesh

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.10"22 (.2556)	900	180	7.5" (19)	10" (25)	033291193
.21"35" (.5389)	1,400	280	7.5" (19)	14" (36)	033291194
.32"48" (.81-1.22)	2,000	400	8.5" (22)	19" (48)	033291195
.42"61" (1.07-1.55)	2,500	500	8.5" (22)	21" (53)	033291196
.53"74" (1.35-1.88)	3,000	600	8.5" (22)	23" (58)	033291197
.64"87" (1.63-2.21)	4,200	840	8.5" (22)	25" (64)	033291198
.75"-1.00" (1.90-2.54)	4,200	840	8.5" (22)	28" (71)	033291199



Fiber Optic Slack Pulling Grip, Split Mesh, Rod Closing, Single Weave

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.25"37" (.6394)	300	60	3" (7.6)	4.7" (12)	033291015
.38"49" (.97-1.24)	800	160	3" (7.6)	5" (13)	033291016
.50"61" (1.27-1.55)	800	160	3" (7.6)	7.5" (19)	033291017
.62"74" (1.57-1.88)	1,200	240	3" (7.6)	8" (20)	033291018

Note: E-Eye length. M-Mesh length at nominal diameter.



Fiber Optic Support Grips

Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.

These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages W-44 and W-45.



Fiber Optic Single Eye Cable Support Grip, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.18"25" (.4663)	300	30	3" (7.6)	1.7" (4.3)	022291000
.23"32" (.5881)	300	30	3" (7.6)	2.5" (6.4)	022291001
.30"39" (.7699)	300	30	4" (10)	2.5" (6.4)	022291002
.37"48" (.94-1.22)	300	30	5" (13)	4" (10)	022291003
.46"58" (1.17-1.47)	400	40	6" (15)	4" (10)	022291004
.56"71" (1.42-1.80)	600	60	7" (18)	5.5" (14)	022291005
.69"88" (1.75-2.24)	800	80	8" (20)	6" (15)	022291006



Fiber Optic Single Eye Cable Support Grip, Split Mesh, Rod Closing, Single Weave

For support when cable end not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.18"25" (.4663)	300	30	3" (7.6)	2.5" (6.4)	022291016
.23"32" (.5881)	300	30	3" (7.6)	2.5" (6.4)	022291017
.30"39" (.7699)	300	30	4" (10)	2.5" (6.4)	022291018
.37"48" (.94-1.22)	300	30	5" (13)	4" (10)	022291019
.46"58" (1.17-1.47)	400	40	6" (15)	5" (13)	022291020
.56"71" (1.42-1.80)	600	60	7" (18)	5" (13)	022291021
.69"88" (1.75-2.24)	800	80	8" (20)	6" (15)	022291022

Note: E-Eye length. M-Mesh length at nominal diameter.

Support Grips for Fiber Optic Cable

Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.

These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

Fast to Install

- **Step 1** Wrap the grip around the cable and thread the rod through the preformed loops with a corkscrew motion, using the curved end of the rod to engage the loops.
- **Step 2** The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.

Step 3 To remove, simply pull the rod out.









Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK® an effective tool to place preterminated cables. Also available are grips to support fiber optic cable.

Select the Correct Fiber Optic Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

- **Step 1** Determine your cable outside diameter.
- **Step 2** Find the grip size that encompasses your cable diameter.
- **Step 3** Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.
- **Step 4** Where available, select an eye style that suits your needs.
- **Step 5** Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough.

Safety And Working Load Factors For Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known

or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.

For grip applications on materials other than those that the grips have been specifically designed for, consult the factory.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	2,500 (11,120)	5	500 (2,224)	033291196
Support Grips	400 (1,779)	10	40 (178)	022291004

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable to for the application.

Fiber Optic Grip Materials

Material	Features	Product Group
Galvanized steel wire	High strength	Pulling grips
	 Not subject to continuous outside environment 	
Tin-coated bronze wire	 Corrosion resistant for normal outside areas 	 Support grips
	Non-magnetic	
	 Moderate strength 	
Non-metallic braid	Superior flex life	• OPTISOK®
	 Non-conductive 	
	 Corrosion resistant 	
	Moderate strength	

Approvals

CSA Certification is indicated on appropriate product catalog pages.

Hose Containment Grips

Kellems[®] Hose Containment Grips are used on high pressure, flexible hose lines to prevent the hose from whipping violently in the event of hose failure at the fitting. These grips will prevent serious injury to personnel and damage to equipment by holding the hose in place in the event of hose failure.

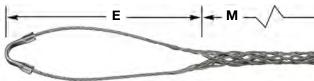
Kellems® patented Hose Containment Grips are made of stainless steel double weave mesh construction for high strength and come complete with hose clamps.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Types of Attachment

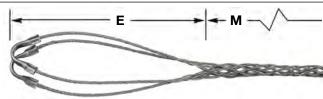
The six attachment methods shown below provide unlimited flexibility of attachment to meet any condition.



Type A

Single Eye, used where fastening is made with eyebolts or similar anchor terminations.

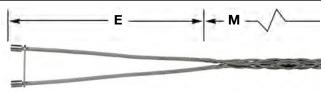
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.38"69" (.97-1.75)	2,900	290	10" (25)	24" (61)	014021285
.50"94" (1.27-2.39)	3,400	340	10" (25)	24" (61)	014021230
1.00"-1.56" (2.54-3.96)	9,400	940	10" (25)	36" (91)	014021453
1.25"-1.94" (3.18-4.93)	14,400	1,440	48" (122)	60" (152)	014021593
2.75"-3.44" (6.99-8.74)	12,500	1,250	10" (25)	48" (122)	014021524



Type E

Double Eye Grip, used where fastening is made with eyebolts or similar anchor terminations.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.50"94" (1.27-2.39)	4,250	425	8" (20)	24" (61)	014021224
.75"-1.25" (1.91-3.18)	6,000	600	8" (20)	24" (61)	014021223
1.00"-1.56" (2.54-3.96)	8,000	800	8" (20)	24" (61)	014021279



Type U

Universal Bale Grip, used to fasten around a structure or closed eye.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.31"56" (.79-1.42)	2,100	210	12" (30)	24" (61)	014021304
.38"69" (.97-1.75)	2,600	260	12" (30)	24" (61)	014021308
.50"94" (1.27-2.39)	3,100	310	12" (30)	24" (61)	014021138
.50"94" (1.27-2.39)	3,100	310	24" (61)	24" (61)	014021139
.75"-1.25" (1.91-3.18)	4,500	450	12" (30)	24" (61)	014021140
1.00"-1.56" (2.54-3.96)	6,000	600	12" (30)	24" (61)	014021142
1.25"-1.94" (3.18-4.93)	6,000	600	12" (30)	36" (91)	014021527

Note: E- Eye length. M-Mesh length at nominal diameter.

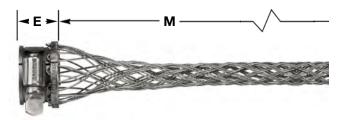
It should be emphasized that Kellems® Hose Containment Grips are not to be used as a pressure reinforcing device for hose systems. These grips are custom made. Consult Technical Services for details.

Hose Containment Grips

Kellems Hose Containment Grips are supplied in diameters, length and attachments to meet individual requirements. Contact the Wiring Device-Kellems factory for specific information. These grips help meet OSHA Federal Register 1926-302 (b), 1926-603 (9), (10), JIC H-1-1973 (H13.11) and JIC P-1-1975 (P11.34) requirements.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.



Type F

Split fitting to fit AN-818 nuts. Fitting is positioned over nut and located with internal flange. A hose clamp is furnished and required to hold the fitting in correct position.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.38"69" (.97-1.75)	2,900	290	1" (2.54)	24" (61)	014021208
.50"94" (1.27-2.39)	3,400	340	1" (2.54)	24" (61)	014021156
.50"94" (1.27-2.39)	3,400	340	1" (2.54)	12" (30)	014021185
.50"94" (1.27-2.39)	3,400	340	1" (2.54)	12" (30)	014021186
.50"94" (1.27-2.39)	3,400	340	1" (2.54)	24" (61)	014021216
.75"-1.25" (1.91-3.18)	6,000	600	1" (2.54)	24" (61)	014021113
.75"-1.25" (1.91-3.18)	6,000	600	1" (2.54)	12" (30)	014021120
.75"-1.25" (1.91-3.18)	6,000	600	1" (2.54)	24" (61)	014021301
1.00"-1.56" (2.54-3.96)	6,000	600	1" (2.54)	24" (61)	014021157
1.00"-1.56" (2.54-3.96)	8,000	800	1.12" (2.84)	24" (61)	014021366
1.25"-1.94" (3.18-4.93)	8,000	800	1.12" (2.84)	36" (91)	014021314

Kellems Strain Relief Grips are designed to prevent tension from being transmitted to joints and terminals on electrical cord, cable and conduit. In most applications, a Kellems grip for strain relief is stronger than the cable itself and gives much greater security than the use of a fitting alone. Kellems Grips for strain relief help make electrical systems safer, and save money by minimizing downtime from costly electrical failure due to cable pull-out. Kellems Grips also aid in compliance with the National Electric Code's terminal tension protection requirements.

Select the Correct Grip for Strain Relief

Kellems Grips for strain relief are designed to fit on electrical cord, cable or flexible conduit.

- **Step 1** Refer to the chart below to determine the grip style best suited for your application.
- **Step 2** Determine your cable outside diameter or conduit size.
- **Step 3** Locate environment—indoors or outdoors.
- **Step 4** Decide if a liquidtight seal is required.
- Step 5 Select NPT size and fitting style.

Strain Relief System Selection Chart

Grip Type		Application	Features	Cord or Conduit Range Inches (cm)	Type Fitting or Attachment	Page Number
Deluxe Cord Aluminum Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are crane and hoist pendant drop stations, hand tools, pumps and processing equipment.	Aluminum fittings, stainless steel mesh, neoprene oil-and- watertight bushing. Double-single weave.	.187"-3.250" (.47-8.25)	NPT, PG, and metric aluminum, male straight, 45° male, 90° male, female straight. Thread sizes 3/8"-3".	W-50, W-51, W-54
Deluxe Cord Nylon Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are marine and food processing equipment.	Nylon fitting, stainless steel mesh, double-single weave, neoprene oil-and- watertight bushing.	.187"-1.125" (.47-2.86)	NPT nylon, male straight, 90° male. Thread sizes ½"-1".	W-52
Deluxe Cord Nylon Fitting/ Non-metallic Grip		Indoor or outdoors. Provides liquidtight seal, where exposed to moisture. Excellent for oil refining and chemical processing.	Non-metallic grip is corrosion resistant, nonconductive and provides superior gripping and flexing benefits. Neoprene liquidtight bushing. Nylon fitting.	.187"-1.000" (.47-2.54)	NPT nylon, straight male, thread sizes 3/g"-1" 90° male, thread sizes 1/2"-1".	W-53
Deluxe Cord Stainless Steel Fitting And Grip		Indoor or outdoor use where exposed to moisture. Very strong for heavy abuse areas such as drilling platforms, steel mills and mines.	Stainless steel fitting and grip for strength. Neoprene liquidtight bushing. Double/single weave grip.	.187"-1.000" (.47-2.54)	Straight male Only with NPT Thread sizes ½"-1".	W-53
Dust-Tight Strain Relief	THE STATE OF THE S	Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems.	Neoprene gasket-seals out chips, dirt, dust. One piece design with galvanized steel mesh. Insulating bushing available Zinc-plated steel locknut.	.240"-2.450" (.61-6.22)	Straight male NPS or NPT	W-55
Liquidtight Flexible Conduit Grip (Metal and Non-Metallic)		Wiring of machine tools, electrical enclosures, motors and systems where metallic liquidtight flexible conduit is subjected to vibration, flexure, motion or strain.	Stainless steel mesh, liquidtight fittings. Sealing "O" rings (optional). Choice of fittings.	.375"-4.000" trade sizes	NPT ½"-4", Hubbell fittings, Male straight, 45° male, 90° male, female straight.	W-58, W-59
Liquidtight Flexible Conduit Grip (UL Type A)		Wiring or machine tools, electrical enclosures, motors and systems where conduit is subject to vibration and strain.	Stainless steel mesh, liquidtight fittings with "O" ring and locknut.	.375"-2.008" trade size male	NPT steel, Hubbell fittings, straight male, 90° Thread sizes ½"-2".	W-60

Features and Benefits

Deluxe Cord Grip

Deluxe cord grips help to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is available.

Application

Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

Benefits

- Helps to prevent cable pull-out
- Controls cable arc-of-bend
- Provides a liquidtight seal
- Corrosion resistant stainless steel mesh with aluminum collar





Mesh Grip

- Stainless steel mesh is corrosion resistant; can be used inside or outside
- Eliminates cable or flexible conduit pull out and reduces costly downtime
- Endless weave provides easy cable/ flexible conduit installation



Deluxe Cord Grips

- An NPT and PG threaded body allows easy attachment to either threaded hub or knock-out in box
- A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure



Cable Protection

- Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life
- It is the strongest strain relief device available; meets and exceeds all code requirements; prevents cable/conduit pull-out



Comprehensive Offering

- Hubbell offers a full line of deluxe cord grips with various material finishes
- Deluxe cord grips are used indoors or outdoors to help prevent cord pull-out and where cables are subjected to moisture, splash or submersion





Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

Straight Male Thread

	lale Thread			
NPT Thread	Grip Diameter Ra	nge	F 0:	0-4-1- 1
Size Inches	Inches (cm)	(00.70)	Form Size	Catalog Number
	.250"312"	(.6379)	- .	07401001
/8	.312"375"	(.7995)	F1	07401002
	.375"437"	(.95-1.11)		07401003
	.187"250"	(.4763)		07401004
⁄2	.250"375"	(.6395)	F2	07401006
	.375"500"	(.95-1.27)		07401008
	.500"625"	(1.27-1.59)		07401010
½	.625"750"	(1.59-1.90)	F3	074011247*
	.750"875"	(1.90-2.22)		074011248*
	.187"250"	(.4763)		07401011
4	.250"375"	(.6395)	F2	07401013
•	.375"500"	(.95-1.27)	12	07401015
	.500"625"	(1.27-1.59)		07401017
4	.625"750"	(1.59-1.90)	F3	07401018
+	.750"875"	(1.90-2.22)	10	074011249*
	.375"500"	(.95-1.27)		074011195
	.500"625"	(1.27-1.59)		07401019
	.625"750"	(1.59-1.90)	F4	07401021
	.750"875"	(1.90-2.22)	Γ4	07401023
	.875"-1.000"	(2.22-2.54)		07401025
	1.000"-1.125"	(2.54-2.86)		074011250*
	1.125"-1.250"	(2.86-3.17)	F5	074011028*
	1.250"-1.375"	(3.17-3.49)	FO	074011029*
	.750"875"	(1.90-2.22)		074011251
	.875"-1.000"	(2.22-2.54)		07401026
1/4	1.000"-1.125"	(2.54-2.86)	F5	07401027
	1.125"-1.250"	(2.86-3.17)		07401028
	1.250"-1.375"	(3.17-3.49)		074011178*
	.750"875"	(1.90-2.22)		074011252
	.875"-1.000"	(2.22-2.54)		07401029
1/2	1.000"-1.125"	(2.54-2.86)	F5	07401030
,-	1.125"-1.250"	(2.86-3.17)	· -	07401031
	1.250"-1.375"	(3.17-3.49)		07401032
	1.312"-1.437"	(3.33-3.65)		074011253
	1.437"-1.562"	(3.65-3.97)		074011254*
1/2	1.562"-1.687"	(3.97-4.28)	F6	074011255*
,-	1.687"- 1.812"	(4.28-4.60)	. 0	074011256*
	1.750"-1.875"	(4.44-4.76)		074011257*
	1.250"-1.375"	(3.17-3.49)		074011258
	1.312"-1.437"	(3.33-3.65)		074011259
	1.437"-1.562"	(3.65-3.97)		07401033
	1.562"-1.687"	(3.97-4.28)	F6	07401033
	1.687"-1.812"	(4.28-4.60)		07401034
	1.750"- 1.875"	(4.44-4.76)		074011260
	1.812"-1.937"	(4.60-4.92)		074011261
	1.937"-2.062"	(4.92-5.24)		074011261*
	2.062"-2.187"	(5.24-5.55)	F7	0710110004
	2.187"-2.312"	(5.55-5.87)	1 /	074011263* 074011264*
	2.312"-2.437"	(5.87-6.19)		074011265*
	1.688"-1.812"	(4.29-4.60)		074011203
	1.812"-1.937"	(4.60-4.92)		074011030 074011031
	1.937"-2.062"	(4.92-5.24)		
2	2.062"-2.187"	(5.24-5.55)	F7	074011032
		,		074011033
	2.187"-2.312"	(5.55-5.87)		074011034
	2.312"-2.437"	(5.87-6.19)		074011266*
	1.937"-2.062"	(4.92-5.24)		074011036
	2.062"-2.187"	(5.24-5.55)	F7	074011037
	2.187"-2.312"	(5.55-5.87)		074011038
	2.312"-2.437"	(5.87-6.19)		074011039
	2.437"-2.625"	(6.19-6.67)		074011186
	2.625"-2.812"	(6.67-7.14)	F8	074011187
	2.812"-3.000"	(7.14-7.62)		074011188
	3 000"-3 250"	(7.62-8.25)		074011189*

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.





Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

*Cable jacket may have to be stripped to pass through connector body.

(7.62-8.25)

3.000"-3.250"

Dimensions in Inches (mm)

074011189*



Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Straight Female Thread

NPT Thread Size Inches	Grip Diameter F Inches (cm)	Range	Form Size	Catalog Number	
1/2	.375"500" .500"625"	(.95-1.27) (1.27-1.59)	F2	07401043 07401045	
3/4	.500"625"	(1.27-1.59)	F2	07401052	
3/4	.625"750"	(1.59-1.90)	F4	07401053	
			'	'	

90° Male Thread

NPT Thread Size Inches	Grip Diameter Ra Inches (cm)	ange	Form Size	Catalog Number
3/8	.250"312" .312"375" .375"437"	(.6379) (.7995) (.95-1.11)	F1	07401071 07401072 07401073
½	.187"250" .250"375" .375"500" .500"625"	(.4763) (.6395) (.95-1.27) (1.27-1.59)	F2	07401074 07401076 07401078 07401080*
3/4	.375"500" .500"625" .625"750" .750"875"	(.95-1.27) (1.27-1.59) (1.59-1.90) (1.90-2.22)	F3	07401081 07401083 07401084* 074011275*
1	.500"625" .625"750" .750"875" .875"-1.000" 1.000"-1.125"	(1.27-1.59) (1.59-1.90) (1.90-2.22) (2.22-2.54) (2.54-2.86)	F4	07401085 07401087 07401089 07401091* 074011229*
1¼	.750"875" .875"-1.000" 1.000"-1.125" 1.125"-1.250" 1.250"-1.375"	(1.90-2.22) (2.22-2.54) (2.54-2.86) (2.86-3.17) (3.18-3.51)	F5	074011230 07401137 07401108 074011042* 074011043
1½	1.000"-1.125" 1.125"-1.250" 1.250"-1.375"	(2.54-2.86) (2.86-3.17) (3.17-3.49)	F5	074011045 074011046 074011047
2	1.312"-1.437" 1.437"-1.562" 1.562"-1687" 1.687"-1.812" 1.750"-1.875"	(3.33-3.65) (3.65-3.97) (3.96-4.29) (4.28-4.60) (4.44-4.76)	F6	074011233 074011244 074011245 074011246 074011234*

45° Male Thread

NPT Thread Size Inches	Grip Diameter R Inches (cm)	ange	Form Size	Catalog Number
1/2	.250"375" .375"500" .500"625"	(.6395) (.95-1.27) (1.27-1.59)	F2	074011236 074011021 074011237*
3/4	.500"625" .625"750" .750"875"	(1.27-1.59) (1.59-1.90) (1.90-2.22)	F3	074011049 074011051* 074011239*
1	.625"750" .750"875" .875"-1.000"	(1.59-1.90) (1.90-2.22) (2.22-2.54)	F4	074011055 074011057 074011199*
11/4	1.000"-1.125" 1.125"-1.250"	(2.54-2.86) (2.86-3.17)	F5	074011059 074011060

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

*Cable jacket may have to be stripped to pass through connector body.











Deluxe Cord Grips

Nylon Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Straight Male Thread

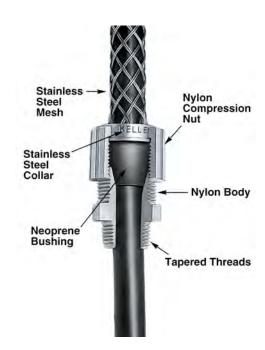
NPT Thread Size Inches	Grip Diameter F Inches (cm)	Range	Form Size	Catalog Number
	.187"250"	(.4763)		074011331
1/2	.250"375"	(.6395)	F2	074011332
/2	.375"500"	(.95-1.27)	FZ	074011333
	.500"625"	(1.27-1.59)		074011334*
	.375"500"	(.95-1.27)		074011335
3/4	.500"625"	(1.27-1.59)	Fo	074011336
9/4	.625"750"	(1.59-1.90)	F3	074011337
	.750"875"	(1.90-2.22)		074011338*
	.625"750"	(1.59-1.90)		074011341
	.750"875"	(1.90-2.22)	F4	074011342
1	.875"-1.000"	(2.22-2.54)	F4	074011343
	1.000"-1.125"	(2.54-2.86)		074011344*



90° Male Thread

NPT Thread Size Inches	Grip Diameter Inches (cm)	Range	Form Size	Catalog Number 074011346	
Size inches	.250"375"	(.6395)	1 OITH Size		
1/2	.375"500"	(.95-1.27)	F2	074011347	
/2	.500"625"	(1.27-1.59)	12	074011348*	
	.375"500"	(.95-1.27)		074011349	
3/4	.500"625"	(1.27-1.59)	F3	074011350	
	.625"750"	(1.59-1.90)		074011351*	

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b). *Cable jacket may have to be stripped to pass through connector body.







Deluxe Cord Grips

Nylon Fittings, Non-Metallic Mesh, and Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.



Nylon Fittings Non-Metallic Mesh, Liquidtight for Insulated Cables Straight Male Thread

NPT Thread Size Inches	Grip Diameter Inches (cm)	Range	Form Size	Catalog Number
³ / ₈	.187"250" .250"312" .312"375"	(.4763) (.6379) (.7995)	F1	CG304NM CG305NM CG306NM
1/2	.187"250" .250"375" .375"500"	(.4763) (.6395) (.95-1.27)	F2	CG404NM CG406NM CG408NM
3/4	.375"500" .500"625" .625"750"	(.95-1.27) (1.27-1.59) (1.59-1.90)	F3	CG608NM CG610NM CG612NM
1	.500"625" .625"750" .750"875" .875"-1.000"	(1.27-1.59) (1.59-1.90) (1.90-2.22) (2.22-2.54)	F4	CG810NM CG812NM CG814NM CG816NM



90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)	Form Size	Catalog Number
1/2	.250"375" (.6395) .375"500" (.95-1.27)	F2	CG40690NM CG40890NM
3/4	.375"500" (.95-1.27) .500"625" (1.27-1.59) .625"750" (1.59-1.90)	F3	CG60890NM CG61090NM CG61290NM*
1	.625"750" (1.59-1.90) .750"875" (1.90-2.22)	F4	CG81290NM CG81490NM



Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number	
1/2	.187"250" .250"375" .375"500" .500"625"	(.4763) (.6395) (.95-1.27) (1.27-1.59)	F2	CG404SST CG406SST CG408SST CG410SST	
3/4	.375"500" .500"625"	(.95-1.27) (1.27-1.59)	F2	CG608SST CG610SST	
3/4	.625"750" .750"875"	(1.59-1.90) (1.90-2.22)	F3	CG612SST CG614SST	
1	.500"625" .625"750" .750"875" .875"-1.000"	(1.27-1.59) (1.59-1.90) (1.90-2.22) (2.22-2.54)	F4	CG810SST CG812SST CG814SST CG816SST	

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

*Cable jacket may have to be stripped to pass through connector body.





PG and Metric Threaded Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Straight PG* Male Thread

Hub Size	Cord Diameter Rar Inches (cm)	nge	Form Size	Catalog Number
PG16	.500"625"	(1.27-1.59)	F2	074PG16010
PG21	.500"625"	(1.27-1.59)	F2	074PG21010
PG21	.625"750" .750"875"	(1.59-1.90) (1.90-2.22)	F3	074PG211247 074PG211248
PG29	.625"750" .750"875" .875"-1.000"	(1.59-1.90) (1.90-2.22) (2.22-2.54)	F4	074PG29021 074PG29023 074PG29025
PG29	1.125"-1.250"	(2.86-3.17)	F5	074PG291028*
PG36	1.125"-1.250"	(2.86-3.17)	F5	074PG36028*





Straight Metric Male Thread

Hub Size	Cord Diameter Rar Inches (cm)	nge	Form Size	Catalog Number
M20	.500"625"	(1.27-1.59)	F2	074M20010
MOE	.625"750"	(1.59-1.90)	ГО	074M251247
M25	.750"875"	(1.90-2.22)	F3	074M251248
M25	.500"625"	(1.27-1.59)	F2	074M25017
	.625"750"	(1.59-1.90)		074M32021
Maa	.750"875"	(1.90-2.22)	F4	074M32023
M32	.875"-1.000"	(2.24-2.54)	F4	074M32025
	1.000"-1.125"	(2.54-2.86)		074M321250
M32	1.125"-1.250"	(2.86-3.17)	F5	074M321028

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b). *Cable jacket may have to be stripped to pass through connector body.



Specifications

Material	Temperature Range
Aluminum (Body) Stainless Steel (Mesh) Neoprene (Bushings)	-30°F to +240°F (-34°C to +115°C). -30°F to +240°F (-34°C to +115°C). -30°F to +240°F (-34°C to +115°C).
Hazardous Locations	Suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 N.E.C. Reference 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
Approvals	
Deluxe Cord Grips	UL Listed in accordance with Standard 514B for indoor/outdoor use. UL Control numbers 898D and 899D.
Wet Locations	Suitable for use in wet locations when used with a listed sealing ring between box and fitting.



Dust-Tight Strain Relief Grips

Aluminum Fittings, Galvanized Steel Mesh for Insulated Cables.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.



Non-Insulated, Wide Range Strain Relief

Thread Size	Cord Diameter Range Inches (cm)		Mesh Length @ Nom. Dia. Inches (cm)	Catalog Number
	.24"32"	(.6181)	3.25" (8.25)	073031200
½ NPT	.32"43"	(.81-1.09)	3.75" (9.52)	073031201
	.43"54"	(1.09-1.37)	4.75" (12.06)	073031202
¾ NPT	.54"73"	(1.37-1.85)	6.5" (16.51)	073031203A
1 NPT	.73"97"	(1.85-2.46)	7" (17.78)	073031204
1¼ NPT	.97"-1.25"	(2.46-3.17)	9" (22.86)	073031205
PG29*	.73"97"	(1.85-2.46)	7" (17.78)	073PG291204

Note: *Panzergewinde.





Thread Size	Cord Diameter Range Inches (cm)	Mesh Length @ Nom. Dia. Inches (cm)	Dim. A Inches (cm)	Min. Space Between Grips Inches (cm)	Catalog Number
	.24"32" (.6181)	3.25" (8.25)	1" (2.54)	1.25" (3.17)	073031206
½ NPS	.32"43" (.81-1.09)	3.75" (9.52)	1" (2.54)	1.25" (3.17)	073031207
	.43"54" (1.09-1.37)	4.75" (12.06)	1" (2.54)	1.25" (3.17)	073031208
¾ NPS	.54"73" (1.37-1.85)	6.5" (16.51)	1" (2.54)	1.5" (3.81)	073031209A
1 NPS	.73"97" (1.85-2.46)	7" (17.78)	1.313" (3.02)	1.75" (4.44)	073031210
1¼ NPS	.97"-1.25" (2.46-3.17)	9" (22.86)	1.313" (3.02)	2.25" (5.71)	073031211
1½ NPT	1.25"-1.50" (3.17-3.81)	11.75" (29.84)	1.313" (3.02)	2.5" (6.35)	073031212
2 NPT	1.50"-1.70" (3.81-4.32)	13.25" (33.65)	1.375" (3.49)	3.25" (8.25)	073031213
Ot/ NDT	1.70"-2.00" (4.32-5.08)	13.5" (34.29)	1.5" (3.81)	3.625" (9.21)	073031214
2½ NPT	2.00"-2.45" (5.08-6.22)	13.75" (34.92)	1.5" (3.81)	3.625" (9.21)	073031215





I-Grips for Insulated Cables

Kellems® I-Grips are made of high strength, plastic coated galvanized steel strand. They are offered in six sizes to fit all cable diameters used with Hubbell Insulgrip® Kellems I-Grips will control cable arc-of-bend and reduce high pull tensions from being transmitted to the wiring terminals.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Application

Kellems® I-Grips will fit 2, 3, 4 and 5 wire Hubbell Insulgrip® plugs and connector bodies. The eye tabs fit under the nylon cord clamp and the screws slide through the eyelets, securing the grip in place.

I-Grips can be used on any Insulgrip cord set which requires cable, arc-of-bend control or heavy duty strain relief. Cord sets used at in-door construction sites or for plant maintenance jobs are examples.

These grips are for indoor use only.

Benefits

- Easily attached to Insulgrip plugs and connector bodies
- Controls cable arc-of-bend
- Provides heavy-duty strain relief
- Fits all sizes



I-Grips

Cable Diame Inches (cm)		E Inches (cm)	M Inches (cm)	Catalog Number
.32"43"	(.81-1.09)	1.25" (3.17)	4" (10.16)	07310001
.43"56"	(1.09-1.42)	1.25" (3.17)	4.75" (12.06)	07310002
.56"73"	(1.42-1.85)	1.50" (3.81)	6" (15.24)	07310003
.73"85"	(1.85-2.16)	1.50" (3.81)	6.5" (16.51)	07310004
.85"-1.00"	(2.16-2.54)	1.50" (3.81)	8" (20.32)	07310005
1.00"-1.25"	(2.54-3.17)	1.50" (3.81)	10" (25.40)	07310006

Note: E-Eye length. M-Mesh length at nominal diameter.

Eyelet hole diameter .203" (.52cm).

I-Grips should not be used on Insulgrip devices when "Seal-Tite®" weatherproof covers are to be installed.





Thread Adapters for Multi-Pin Connectors

Kellems® Thread Adapters are devices formatting AN-MS connectors and other multi-pin connectors to Kellems grips with NPT threaded fittings. They are made of aluminum with internal threads and replace the connector cord clamp. These adapters permit the installation of Kellems Grips, to prevent cable or conduit pull-out and control arc-of-bend.

Applications

Thread adapters allow the installation of Kellems® Grips on multi-pin connectors at electrical consoles, mobile equipment, control switches, assembly equipment and testing machines.

Benefits

- Easy installation
- Allows the use of Kellems grips
- Extends connector and cable life



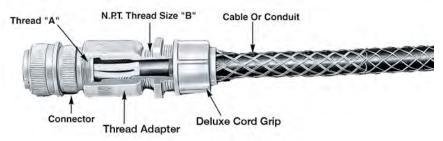
091041006 Thread Adapter

Thread Adapters for Multi-Pin Connectors

	Th	read Adapter	s		Deluxe Cord Gr	ips	Strain Relief	· Grips	Liquidtight Conduit Grips (Insulated Throat)
AN-MS Connector Size**	AN-MS Cable Clamp Number***	Thread Size A Inch		Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Catalog Number
8S, 10S 10SL, 12, 12S 14, 14S	3057-3 3057-4 3057-6	½" x 28" 5/8" x 24" 3/4" x 20"	3/8	091041000 091041001 091041002	.250"312" (.6379) .312"375" (.7995) .375"437" (.95-1.11)	07401001 07401002 07401003		_	_
14, 14S 16, 16S 18	3057-6 3057-8 3057-10	³ / ₄ " × 20" ⁷ / ₈ " × 20" 1" × 20"	1/2	091041003 091041004 091041006	.187"250" (.4763 .250"375" (.6395) .375"500" (.95-1.27) .500"625" (1.27-1.59)	07401004 07401006 07401008 07401010*	.24"32" (.6181) .32"43" (.81-1.09) .43"54" (1.09-1.37)	073031200 073031201 073031202	_ 074093512 _
16, 16S 18 20, 22	3057-8 3057-10 3057-12	7 ₈ " x 20" 1" x 20" 1 ³ / ₁₆ " x 18"	3/4	091041005 091041007 091041008	.187"250" (.4763) .250"375" (.6395) .375"500" (.95-1.27) .500"625" (1.27-1.59) .625"750" (1.59-1.90)	07401011 07401013 07401015 07401017 07401018	.54"74" (1.37-1.85)	073031203	074093513
20, 22 24, 28 32 36	3057-12 3057-16 3057-20 3057-24	1 ³ / ₁₆ " x 18" 1 ⁷ / ₁₆ " x 18" 1 ³ / ₄ " x 18" 2" x 18"	1	091041009 091041010 091041012 091041015	.375"500" (.95-1.27) .500"625" (1.27-1.59) .625"750" (1.59-1.90) .750"875" (1.90-2.22) .875"-1.000" (2.22-2.54)	074011195 07401019 07401021 07401023 07401025	.73"97" (1.85-2.46)	073031204	074093514
24, 28 32 36	3057-16 3057-20 3057-24	1½ ₁₆ " x 18" 1¾" x 18" 2" x 18"	11⁄4	091041011 091041013 091041016	.750"875" (1.90-2.22) .875"-1.000" (2.22-2.54) 1.000"-1.125" (2.54-2.86) 1.125"-1.375" (2.86-3.17)	074011251 07401026 07401027 07401028	.97"-1.25" (2.46-3.17)	073031205	074093515
32 36 40	3057-20 3057-24 3057-28	1¾" x 18" 2" x 18" 2¼" x 16"	1½	091041014 091041017 091041019	.875"-1.000" (2.22-2.54) 1.000"-1.125" (2.54-2.86) 1.125"-1.250" (2.86-3.17) 1.250"-1.375" (3.17-3.49)	07401029 07401030 07401031 07401032		_	074093516

Note: *Cable jacket may have to be stripped to pass through connector body.
**Number stamped on connector shell.

Example



^{***}Number stamped on clamp shell.





Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Benefits

- Helps prevent conduit pull-out and damage at the fitting
- Reduces equipment downtime

Straight With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Le Inches	ength (cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
3/8	1/2	3"	(7.62)	074093511	074093401
1/2	1/2	3.5"	(8.89)	074093512	074093402
3/4	3/4	4"	(10.16)	074093513	074093403
1	1	5"	(12.70)	074093514	074093404
11/4	11⁄4	6"	(15.24)	074093515	074093405
1½	1½	6.75"	(17.14)	074093516	074093406
2	2	8"	(20.32)	074093518	074093408
2½	2½	9.75"	(24.76)	074093520	074093410
3	3	11"	(27.94)	074093522	074093412
4	4	14"	(35.56)	074093526	_



90° Angle With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Le Inches	ength (cm)	Catalog Number (Insulated)	Catalog Number (Non-insulated)
3/8	1/2	3"	(7.62)	074093541	074093421
1/2	1/2	3.5"	(8.89)	074093542	074093422
3/4	3/4	4"	(10.16)	074093543	074093423
1	1	5"	(12.70)	074093544	074093424
11/4	11⁄4	6"	(15.24)	074093545	074093425
1½	1½	6.75"	(17.14)	074093546	074093426
2	2	8"	(20.32)	074093548	074093428
2½	2½	9.75"	(24.76)	074093550	_
3	3	11"	(27.94)	074093552	_



Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.



Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.



Straight With Chase Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches (cm)	Catalog Number
1/2	1/2	3.5" (8.89)	07406079
3/4	3/4	4" (10.16)	07406080
1	1	5" (12.70)	07406081
11/4	11/4	6" (15.24)	07406082
1½	1½	6.75" (17.14)	07406083



45° Angle With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches (cm)		Catalog Number (Insulated)
3/8	1/2	3"	(7.62)	074093561
1/2	1/2	3.5"	(8.89)	074093562
3/4	3/4	4"	(10.16)	074093563
1	1	5"	(12.70)	074093564
11⁄4	1¼	6"	(15.24)	074093565
1½	1½	6.75"	(17.14)	074093566
2	2	8"	(20.32)	074093568

Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.



Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for UL Type A Liquidtight Conduit.

IMPORTANT:

Read all safety and technical data relating to this product.

Refer to pages W-61 through W-68.

Straight Male Hubbell Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches (cm)	Catalog Number
3/8	1/2	3.75" (9.52)	H038CNK
1/2	1/2	4.5" (11.43)	H050CNK
3/4	3/4	6.25" (15.87)	H075CNK
1	1	7.5" (19.05)	H100CNK
1¼	1¼	9" (22.86)	H125CNK
1½	1½	13.5" (34.29)	H150CNK
2	2	14.5" (36.83)	H200CNK



90° Male Hubbell Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches (cm)	Catalog Number
3/8	1/2	3.75" (9.52)	H0389CNK
1/2	1/2	4.5" (11.43)	H0509CNK
3/4	3/4	6.25" (15.87)	H0759CNK
1	1	7.5" (19.05)	H1009CNK
11/4	1¼	9" (22.86)	H1259CNK
1½	1½	13.5" (34.29)	H1509CNK
2	2	14.5" (36.83)	H2009CNK



Wire Mesh Grip Materials

Material	Features	Product Group
Galvanized steel wire	High strength	Strain relief grips
	 Not subject to continuous outside environment 	• I-Grips
Stainless steel wire	High strength	Deluxe cord grips
(302/304)	 Corrosion resistant 	• Liquidtight, flexible, metal conduit grips
	Slightly magnetic	 UL type A conduit grips
Non-metallic strand	Superior flex life	Non-metallic deluxe cord grips
	Non-conductive	
	Corrosion resistant	
	Moderate strength	

Operating Temperatures

Material	Temperature Range	
Aluminum	-40°F to +300°F (-40°C to +149°C).	
Aluminum Deluxe Cord Grips	-30°F to +240°F (-34°C to +115°C).	
Non-Metallic Deluxe Cord Grips	-30°F to +225°F (-34°C to +107°C).	
Nylon	-40°F to +225°F (-40°C to +107°C).	
Nylon Fitting with Stainless Steel Mesh	-40°F to +225°F (-40°C to +107°C).	
Stainless Steel	-60°F to +1000°F (-51°C to +537°C).	
Stainless Steel Deluxe Cord Grips	-30°F to +240°F (-34°C to +115°C).	
Neoprene (Bushings)	-30°F to +240°F (-34°C to +115°C).	

Hazardous Locations

	Product Categories	
The product categories listed to the right are suitable	Deluxe cord grip, aluminum fitting;	
for use in hazardous locations per Class I Div. 2,	Deluxe cord grip, nylon fitting;	
Class II Div. 1 & 2, Class III Div. 1 & 2.	Deluxe cord grip, non-metallic;	
	Seal-Tite® conduit grips;	
	Dustight strain relief grips.	

Flammability

Non-metallic deluxe cord grips wi	not support combustion. Listed below are the ratings.
Component	Rating
Mesh grip	UL 94HB.
Fitting	UL 94X-2.

Approvals

UL Listing and CSA Certification are indicated on appropriate product cata	alog pages.
Agency	UL Control Number
Underwriters Laboratories Inc.	898D and 899D.
	UL Listed in accordance with Standard 514B for indoor/outdoor use.

Wet Locations

	Product Categories	
The products noted to the right are suitable	Deluxe cord grip, aluminum fitting;	
for use in wet locations when a listed sealing	Deluxe sealing ring cord grip;	
ring is used between box and fitting.	Deluxe cord grip, non-metallic;	
	Seal-Tite® conduit grips;	
	Hubbell non-metallic conduit grips;	
	Cord connectors;	
	Hubbell Juniors;	
	PolyTuff® connectors;	
	Hubbell Seal-Tite® conduit connectors.	

Form Size Definition

The term "Form Size" refers to the physical mass or overall dimensions of a cord connector. Form 1 is the smallest size, Form 8 is the largest size.

Knockout Holes

NPT Hub Size Inches	Knockout Min. to Ma		lecommended nes (cm)		
1/4	.540"	to	.570"	(1.37-1.45)	
³ / ₈	.671"	to	.701"	(1.70-1.78)	
1/2	.859"	to	.906"	(2.18-2.30)	
3/4	1.094"	to	1.141"	(2.78-2.90)	
1	1.359"	to	1.406"	(3.45-3.57)	
11/4	1.719"	to	1.766"	(4.37-4.49)	
1½	1.969"	to	2.016"	(5.00-5.12)	
2	2.453"	to	2.500"	(6.23-6.35)	
2½	2.953"	to	3.000"	(7.50-7.62)	
3	3.578"	to	3.625"	(9.09-9.21)	

Product Data

Deluxe Cord Grips, Liquidtight for Insulated Cables

Deluxe Cord Grips helps to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out, and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is offered on page W-53.

Application

Deluxe Cord Grips are used indoors or outdoors to help prevent cord pull-out, and where cables are subjected to moisture, splash or submersion. Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

Benefits

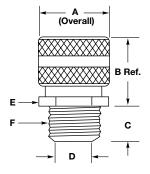
- Helps to prevent cable pull-out
- Controls cable arc-of-bend
- Provides a liquidtight seal
- Corrosion resistant stainless steel mesh with aluminum collar

Deluxe Cord Grips Fitting Dimensions

Straight Hubbell Connectors

		Alumini	um, Inch	es (cm)				Nylon,	Inches (cm)			Stainless Steel, Inches (cm)							
F NPT		Α	В	С	D	Е		Α	В	С	D	Е		Α		В	С	D	Е	
Inches	Forn	n Dia.	Ref.		Throat Dia.	A/C*	A/F*	Dia.	Ref.		Throat Dia.	A/C*	A/F*	A/C*	A/F*	Ref.		Throat Dia.	A/C*	A/F*
³⁄ ₈ -18	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	1.01" (2.57)	.88" (2.24)	.90" (2.29)	.46" (1.17)	.45" (1.14)	.87" (2.21)	.75" (1.90)
1/2-14	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	_	_	_	_	_	_	_
1/2-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.11" (2.82)	1.00" (2.54)	1.32" (3.35)	1.50" (3.81)	.53" (1.35)	.58" (1.47)	1.25" (3.17)	1.12" (2.84)	1.30" (3.30)	1.13" (2.87)	1.10" (2.79)	.54" (1.37)	.63" (1.60)	1.16" (2.95)	1.00" (2.54)
1/2-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.64" (1.63)	1.40" (3.56)	1.25" (3.17)	_	_	_	_	_	_	_	_	_	_	_	_	_
3/4-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.29" (3.28)	1.13" (2.87)	_	_	_	_	_	_	_	_	_	_	_	_	_
3/4-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.82" (2.08)	1.40" (3.56)	1.25" (3.17)	1.56" (3.96)	1.60" (4.06)	.55" (1.40)	.77" (1.96)	1.44" (3.66)	1.31" (3.33)	1.59" (4.04)	1.38" (3.51)	1.30" (3.30)	.56" (1.42)	.81" (2.06)	1.44" (3.66)	1.25" (3.17)
1-11½	3	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_
1-11½	4	1.75" (4.44)	1.60" (4.06)	.71" (1.80)	1.02" (2.59)	1.81" (4.60)	1.62" (4.11)	1.88" (4.78)	1.75" (4.44)	.70" (1.78)	1.01" (2.57)	1.84" (4.67)	1.63" (4.14)	2.02" (5.13)	1.75" (4.44)	1.40" (3.56)	.70" (1.78)	1.03" (2.62)	1.88" (4.78)	1.63" (4.14)
1-11½	5	2.31" (5.87)	1.70" (4.32)	.66" (1.68)	1.01" (2.57)	2.28" (5.79)	2.00" (5.08)	_	_	_	_	_	_	_	_	_	_	_	_	_
11/4-111/2	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.26" (3.20)	2.28" (5.79)	2.12" (5.38)	_	_	_	_	_	_	_	_	_	_	_	_	_
1½-11	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.38" (3.51)	2.28" (5.79)	2.12" (5.38)	_	_	_	_	_	_	_	_	_	_	_	_	_
1½-11½	6	3.00" (7.62)	2.20" (5.59)	.75" (1.90)	1.50" (3.81)	2.97" (7.54)	2.75" (6.98)	_	_	_	_	_	_	_	_	_	_	_	_	_
2-11½	6	3.00" (7.62)	2.20" (5.59)	.80" (2.03)	1.92" (4.88)	3.24" (8.24)	3.00" (7.62)	_	_	_	_	_	_	_	_	_	_	_	_	_
2-11½	7	3.85" (9.78)	2.70" (6.86)	.88" (2.24)	1.94" (4.93)	4.05" (10.29)	3.75" (9.52)	_	_	_	_	_	_	_	_	_	_	_	_	_
2½-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.32" (5.89)	4.34" (11.02)	4.02" (10.21)						_	_		_	_		_	_
2½-8	8	4.75" (12.06)	2.70" (6.86)	1.25" (3.17)	2.38" (6.05)	4.86" (12.34)	4.50" (11.43)	_	_	_	_	_	_	_	_	_	_	_	_	_
3-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.54" (6.45)	4.34" (11.02)	4.01" (10.21)	_	_	_	_	_	_	_	_	_	_	_	_	_
3-8	8	4.50" (11.43)	2.70" (6.86)	1.38" (3.51)	3.00" (7.62)	4.86" (12.34)	4.50" (11.43)	_	_	_	_	_	_	_	_	_	_	_	_	_

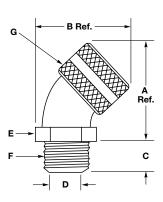
Note: *A/C — Across Corners; A/F — Across Flats.



Dimensions shown are approximate and are subject to change without notice.

Deluxe Cord Grips Fitting Dimensions

45° Hubbell Connectors

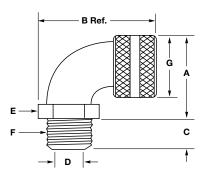


		Aluminun	n, Inches (cm)						
 F		A	В	С	D		E	 G	
NPT Inches	Form	Ref.	Ref.		Throat Dia.	Across Comers	Across Flats	Dia.	
1/2-14	2	2.00" (5.08)	1.90" (4.83)	.550" (1.40)	.560" (1.42)	1.270" (3.23)	1.110" (2.79)	1.125" (2.86)	
34-14	3	2.30" (5.84)	2.50" (6.53)	.560" (1.42)	.750" (1.90)	1.480" (3.76)	1.281" (3.25)	1.375" (3.49)	
1-11½	4	2.60" (6.60)	2.80" (7.11)	.700" (1.78)	1.000" (2.54)	1.690" (4.29)	1.500" (3.81)	1.750" (4.44)	
1¼-11½	5	3.90" (9.91)	3.90" (9.91)	.740" (1.88)	1.250" (3.17)	2.45" (6.22)	2.125" (5.40)	2.310" (5.87)	
1½-11½	5	3.90" (9.91)	3.90" (9.91)	.740" (1.88)	1.500" (3.81)	2.45" (6.22)	2.125" (5.40)	2.310" (5.87)	

90° Hubbell Connectors

		Aluminu	m, Inches (cm)					Nylon, Ir	nches (cm)					
F		Α	В	С	D		E	G	Α	В	С	D		E	G
NPT Inches	Form		Ref.		Throat Dia.	A/C*	A/F*	Dia.		Ref.		Throat Dia.	A/C*	A/F*	Dia.
³ / ₈ -18	1	1.27" (3.23)	2.00" (5.08)	.460" (1.17)	.440" (1.12)	1.15" (2.92)	1.10" (2.79)	.875" (2.22)	_	_	_	_	_	_	_
1/2-14	2	1.56" (3.96)	2.30" (5.84)	.500" (1.27)	.546" (1.39)	1.30" (3.30)	1.13" (2.87)	1.125" (2.86)	1.41" (3.58)	2.50" (6.35)	.550" (1.40)	.575" (1.46)	1.23" (3.12)	1.12" (2.82)	1.315" (3.34)
3/4-14	3	1.79" (4.55)	2.80" (7.11)	.560" (1.42)	.765" (1.94)	1.49" (3.78)	1.31" (3.33)	1.375" (3.49)	1.65" (4.19)	2.81" (7.14)	.560" (1.42)	.765" (1.94)	1.42" (3.61)	1.29" (3.28)	1.560" (3.96)
1-11½	4	2.08" (5.28)	3.20" (8.13)	.700" (1.78)	1.000" (2.54)	1.70" (4.32)	1.50" (3.81)	1.750" (4.44)	1.99" (5.05)	3.30" (8.38)	.700" (1.78)	1.010" (2.57)	1.82" (4.62)	1.60" (4.06)	1.875" (4.76)
11/4-111/2	5	3.18" (8.08)	4.30" (10.92)	.730" (1.85)	1.260" (3.20)	2.47" (6.27)	2.15" (5.46)	2.310" (5.87)		_	_	_	_	_	_
1½-11½	5	3.18" (8.08)	4.30" (10.92)	.750" (1.92)	1.500" (3.81)	2.47" (6.27)	2.15" (5.46)	2.310" (5.87)		_	_	_	_	_	_
2-11½	6	3.51" (8.92)	5.50" (13.97)	.800" (2.03)	1.920" (4.88)	2.98" (7.57)	2.78" (7.06)	3.000" (7.62)	_	_	_	_	_	_	_

Note: *A/C - Across Corners; A/F - Across Flats.

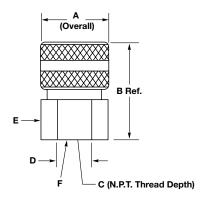


Dimensions shown are approximate and are subject to change without notice.

Deluxe Cord Grips Fitting Dimensions

Female Hubbell Connectors

		Aluminum	, Inches (cm)				
F		Α	В	С	D		E
NPT Inches	Form	Dia.	Ref.		Throat Dia.	Across Comers	Across Flats
³/ ₈ -18	1	.88" (2.24)	1.40" (3.56)	.560" (1.42)	.44" (1.12)	.94" (2.39)	.81" (2.06)
1/2-14	2	1.13" (2.87)	1.80" (4.57)	.560" (1.42)	.63" (1.60)	1.15" (2.92)	1.00" (2.54)
34-14	2	1.13" (2.87)	2.10" (5.33)	.750" (1.90)	.63" (1.60)	1.44" (3.66)	1.25" (3.17)
1-11½	4	1.75" (4.44)	2.30" (5.84)	.880" (2.24)	1.10" (2.79)	1.88" (4.78)	1.63" (4.14)
11/4-111/2	5	2.31" (5.87)	2.80" (7.11)	.950" (2.41)	1.43" (3.63)	2.64" (6.71)	2.29" (5.82)
1½-11½	5	2.31" (5.87)	2.80" (7.11)	.950" (2.41)	1.43" (3.63)	2.64" (6.71)	2.29" (5.82)



Product Data

Dust-Tight Strain Relief Grips for Insulated Cables

Kellems® Strain Relief Grips connect flexible cord or bus drop cable to electrical enclosures. For indoor use only, they are available with either insulated or non-insulated aluminum fittings, and feature single weave, galvanized steel mesh grips with patented wide range mesh construction. They come with a locknut and a neoprene gasket that provides a dust tight seal.

Application

Used to connect electrical cable to power boxes, cabinets, panel boards, power centers, machine tools and with bus drop systems.

Benefits

W-64

- Helps prevent cord or cable pull-out
- Provides a dust tight seal
- Easy installation

- Patented mesh construction
- One piece design

Strain Relief Grips for Liquidtight Flexible Metal and PolyTuff® I Non-Metallic Conduit

Kellems Liquidtight, Flexible Metal Conduit Grips are offered with high quality Hubbell plated steel fittings in a wide variety of NPT sizes and configurations, either insulated or non-insulated. The addition of a stainless steel mesh to these fittings makes them stronger than the conduit itself. Kellems Conduit Grips helps prevent conduit pull-out from the connecting fitting that is subject to stress, pull tension, vibration, motion or strain. They promote safe electrical systems and reduce equipment downtime.

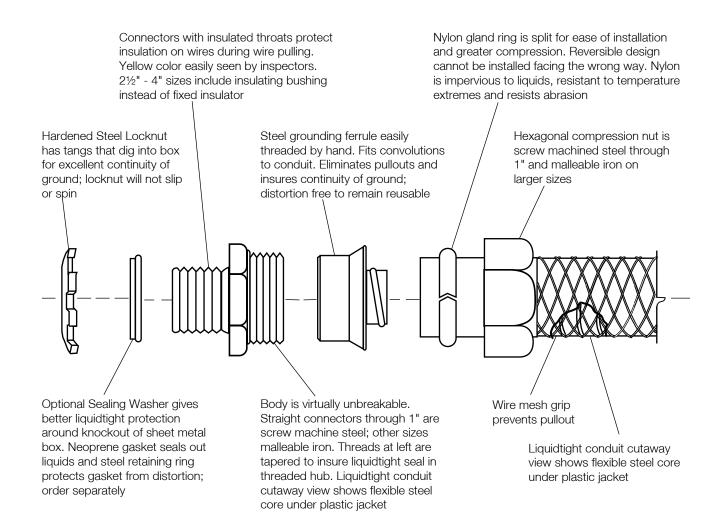
Application

Kellems Conduit Grips are used in the wiring of machine tools, motors, molding equipment, transformers, weaving and paper machines, fans, lighting, bakeries, breweries, food processing, chemical plants, dairies, mines and any application that requires Liquidtight Conduit.

Benefits

- Helps prevent conduit pull-out and damage at the fitting
- Reduces equipment downtime
- Liquidtight fittings
- Easily installed
- Stainless steel grip resists corrosion

Kellems Conduit Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code.



Liquidtight Conduit Grip Fitting Dimensions, Inches

Straight with Male Fitting

Dimer	nsions, Ir	nches						
Trade	Α	В	С		D		Е	
Size Inche	s Ref.	Ref.	A/C*	A/F*	Throa Dia.	A/C*	A/F*	Catalog Number
3/8	1.43"	.59"	1.20"	1.06"	.61"	1.07"	.93"	074093401
1/2	1.43"	.59"	1.34"	1.19"	.61"	1.22"	1.06"	074093402
3/4	1.56"	.59"	1.55"	1.37"	.84"	1.43"	1.25"	074093403
1	1.68"	.66"	1.95"	1.69"	1.06"	1.73"	1.56"	074093404
11/4	2.03"	.63"	2.39"	2.06"	1.37"	2.36"	2.08"	074093405
1½	2.21"	.63"	2.72"	2.38"	1.53"	2.79"	2.48"	074093406
2	2.28"	.69"	3.08"	2.87"	2.06"	3.32"	2.90"	074093408

Straight with Male Fitting with Insulated Throat

Dimer	nsions, Ir	nches						
Trade	A	В	С		D	E		
Size Inche	s Ref.	Ref.	A/C*	A/F*	Throa Dia.	A/C*	A/F*	Catalog Number
3/8	1.50"	.66"	1.20"	1.06"	.57"	1.07"	.93"	074093511
1/2	1.50"	.66"	1.34"	1.19"	.57"	1.22"	1.06"	074093512
3/4	1.62"	.66"	1.55"	1.38"	.78"	1.43"	1.25"	074093513
1	1.75"	.72"	1.95"	1.69"	.98"	1.73"	1.56"	074093514
11/4	2.09"	.69"	2.39"	2.06"	1.29"	2.36"	2.08"	074093515
11/2	2.28"	.69"	2.72"	2.37"	1.53"	2.79"	2.48"	074093516
2	2.34"	.75"	3.08"	2.87"	1.95"	3.32"	2.90"	074093518
2½	3.56"	1.06"	3.92"	3.62"	2.42"	3.85"	3.60"	074093520
3	3.81"	1.06"	4.70"	4.31"	3.01"	4.65"	4.33"	074093522
4	3.81"	1.06"	5.75"	5.31"	3.96"	5.75"	5.39"	074093526

45° Angle with Male Fitting

Dime	nsions, l	nches							
Trade	е Н	J	K	L		М	N		
Size Inche	es	Ref.		A/C*	A/F*	Throat Dia.	A/C*	A/F*	Catalog Number
3/8	1.19"	1.28"	.59"	1.20"	1.06"	.60"	1.16"	1.02"	074093441
1/2	1.19"	1.28"	.59"	1.34"	1.19"	.61"	1.21"	1.06"	074093442
3/4	1.19"	1.43"	.59"	1.55"	1.45"	.84"	1.50"	1.32"	074093443
1	1.38"	1.53"	.66"	1.95"	1.69"	1.05"	1.82"	1.59"	074093444
11/4	1.42"	1.69"	.63"	2.39"	2.06"	1.37"	2.32"	2.03"	074093445
1½	1.66"	2.00"	.66"	2.72"	2.38"	1.60"	2.62"	2.29"	074093446
2	1.69"	2.25"	.66"	3.08"	2.88"	2.05"	3.21"	2.80"	074093448

45° Angle with Male Fitting with Insulated Throat

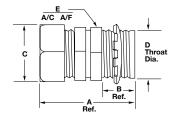
Trade Size	Н	J	K	L		M - Throa	+ N		- Catalog
Inches	;	Ref.		A/C*	A/F*	Dia.	A/C*	A/F*	Number
3/8	1.25"	1.28"	.66"	1.20"	1.06"	.57"	1.16"	1.02"	074093561
1/2	1.25"	1.28"	.66"	1.34"	1.19"	.57"	1.21"	1.06"	074093562
3/4	1.25"	1.44"	.66"	1.55"	1.45"	.78"	1.50"	1.32"	074093563
1	1.44"	1.53"	.72"	1.95"	1.69"	.98"	1.82"	1.59"	074093564
11⁄4	1.48"	1.69"	.69"	2.39"	2.06"	1.29"	2.32"	2.03"	074093565
1½	1.72"	2.00"	.72"	2.72"	2.38"	1.53"	2.62"	2.29"	074093566
2	1.75"	2.25"	.72"	3.08"	2.87"	1.95"	3.21"	2.80"	074093568

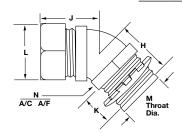
90° Angle with Male Fitting

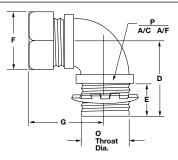
Dimen	sions, I	nches							
Trade	D	E		F	G	0		Р	
Size Inches	;		A/C*	A/F*	Ref.	Throat Dia.	A/C*	A/F*	Catalog Number
3/8	1.31"	.59"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	074093421
1/2	1.31"	.59"	1.34"	1.12"	1.44"	.61"	1.21"	1.00"	074093422
3/4	1.44"	.59"	1.55"	1.45"	1.63"	.83"	1.48"	1.29"	074093423
1	1.78"	.66"	1.95"	1.60"	2.19"	1.05"	1.80"	1.57"	074093424
11/4	1.97"	.63"	2.39"	2.06"	2.50"	1.37"	2.32"	2.02"	074093425
1½	2.19"	.66"	2.72"	2.38"	2.69"	1.61"	2.58"	2.25"	074093426
2	2.53"	.66"	3.08"	2.87"	3.25"	2.05"	3.14"	2.75"	074093428

90° Angle with Male Fitting with Insulated Throat

Dimen	sions, I	nches							
Trade	D	E		F	G	0		Р	
Size Inches	;		A/C*	A/F*	Ref.	Throat Dia.	A/C*	A/F*	Catalog Number
3/8	1.38"	.66"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	074093541
1/2	1.38"	.66"	1.34"	1.12"	1.44"	.57"	1.21"	1.00"	074093542
3/4	1.50"	.66"	1.55"	1.45"	1.63"	.78"	1.48"	1.29"	074093543
1	1.84"	.66"	1.95"	1.60"	2.19"	.98"	1.80"	1.57"	074093544
11/4	2.03"	.69"	2.39"	2.06"	2.50"	1.29"	2.32"	2.02"	074093545
11/2	2.25"	.69"	2.72"	2.38"	2.69"	1.53"	2.58"	2.20"	074093546
2	2.59"	.72"	3.08"	2.87"	3.25"	1.95"	3.14"	2.75"	074093548
2½	3.44"	1.00"	3.92"	3.63"	4.25"	2.42"	3.78"	3.50"	074093550
3	3.75"	1.00"	4.70"	4.31"	4.87"	3.01"	4.64"	4.30"	074093552







Dimensions shown are approximate and are subject to change without notice.

Strain Relief for UL Type A, Flexible, Liquidtight Conduit

Kellems Grips for UL Type A, non-metallic, flexible, liquidtight conduit are available in straight and 90° male and feature a high quality Hubbell plated steel or malleable iron fitting, complete with a sealing O-ring, lock nut and stainless steel mesh. These grips increase the retention of the conduit in the fitting, control its arc-of-bend and provide a liquidtight seal.

Application

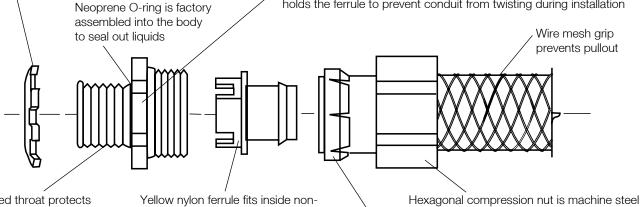
These grips are used on UL Type A non-metallic conduit connections at limit switches, motor boxes, panel boards, control stations and on all types of machinery and machine tools.

Steel Locknut has tangs that dig into box for excellent continuity of ground; locknut will not slip or spin

Benefits

- Provides a liquidtight seal
- Helps prevent conduit pull-out
- · Reduces conduit cutting, kinking, fraying and splitting at the fitting
- Easily installed

Body is virtually unbreakable. Straight connectors through 1" are screw machine steel; other sizes are malleable iron. Threads are tapered to insure liquidtight seal when used in threaded hub; octagonal shape inside holds the ferrule to prevent conduit from twisting during installation



Insulated throat protects insulation on wires during pulling; yellow color easily seen by inspectors

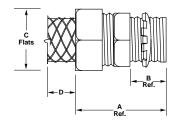
Yellow nylon ferrule fits inside nonmetallic conduit to hold the shape; barb in designed to assure liquidtight seal even with non-square cut; ferrule is keyed to fit into body to prevent conduit twisting

through 1" malleable iron on larger sizes; tapered interior compresses sleeve over conduit sealing out liquids and preventing pullout

Yellow nylon sleeve installs over conduit; six slits in sleeve permit tight compression onto conduit as compression nut is tightened

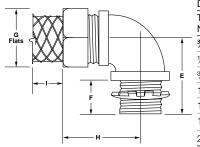
Dimensional Charts For UL Type A, Liquidtight Conduit Grip Fittings

Straight with Male Fitting with Insulated Throat



Dimensions	Inches (cm)				
Trade Size NPT Inches	A	В	С	D	Catalog Number
3/8	1.922" (4.88)	.594" (1.51)	1.156" (2.94)	3.75" (9.52)	H038CNK
1/2	1.922" (4.88)	.594" (1.51)	1.250" (3.17)	4.50" (11.43)	H050CNK
3/4	2.016" (5.12)	.594" (1.51)	1.500" (3.81)	6.25" (15.87)	H075CNK
1	2.157" (5.48)	.719" (1.83)	1.844" (4.68)	7.50" (19.05)	H100CNK
11⁄4	2.219" (5.64)	.750" (1.91)	2.312" (5.87)	9.00" (22.86)	H125CNK
1½	2.344" (5.95)	.750" (1.91)	2.578" (6.55)	13.50" (34.29)	H150CNK
2	2.406" (6.11)	.750" (1.91)	3.187" (8.09)	14.50" (36.83)	H200CNK

90° Angle with Male Fitting with Insulated Throat



Dimensions	Inches (cm)					
Trade Size NPT Inches	E	F	G	Н	1	Catalog Number
3/8	1.250" (3.18)	.594" (1.51)	1.156" (2.94)	1.453" (3.69)	3.75" (9.52)	H0389CNK
1/2	1.281" (3.25)	.594" (1.51)	1.250" (3.17)	1.453" (3.69)	4.50" (11.43)	H0509CNK
3/4	1.438" (3.65)	.594" (1.51)	1.500" (3.81)	1.000" (2.54)	6.25" (15.87)	H0759CNK
1	1.750" (4.44)	.719" (1.83)	1.844" (4.68)	2.125" (5.40)	7.50" (19.05)	H1009CNK
11/4	1.969" (5.00)	.750" (1.91)	2.312" (5.87)	2.344" (5.95)	9.00" (22.86)	H1259CNK
1½	2.250" (5.71)	.750" (1.91)	2.578" (6.55)	2.500" (6.35)	13.50" (34.29)	H1509CNK
2	2.531" (6.43)	.750" (1.91)	3.187" (8.09)	2.781" (7.06)	14.50" (36.83)	H2009CNK

Features and Benefits

Cord Connectors

Hubbell has the broadest line and the widest choice of materials in the industry. NPT hub sizes from 1/4" to 3" in straight male end, 90° , 45° , female and underground feed connectors. They are available in your choice of aluminum, plated steel, nylon and stainless steel.

The zinc-plated steel cord connectors offers the strength of steel and the corrosion resistance of zinc-plating. These heavy-duty connectors hold up to most manufacturing chemicals including acid solutions, solvents and other corrosive materials.

Their machined steel nut and body allows for tightening the compression nut and NPT hub without worrying about stripping the threads. For larger size cord, NPT hub sizes 1" to 2", Hubbell utilizes malleable iron connectors which provide excellent holding and liquidtight performance.

Hubbell's nylon cord connectors resist most common industrial corrosives and provide highly effective pullout protection in a lightweight design. They are ideal for any application where weight, conductivity or corrosion may be an issue. They're available in NPT hub sizes from ½" to 1".

Stainless steel cord connectors provide superior strength and corrosion resistance for industrial and military applications. They are machined from 300 series stainless steel and come in 1/4" to 1", NPT hub sizes.





Liquidtight Seal

- Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection
- The connector body is a one-piece design with machined threads; a tapered interior seats the bushing evenly for a liquidtight seal



Connector Body

 Machined threads provide a strong positive seal; the tapered interior dome easily drives the bushing into the connector body



Connector Identification

 The patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief, also color-coded for sizing identification



Comprehensive Offering

- Hubbell offers a full line of machined aluminum cord connectors in NPT hub sizes ¼" through 1" and cast aluminum 1" to 3"
- They provide durable performance and a clean attractive look without adding unwanted weight; NPT hub sizes 1/4" to 1" feature an attractive knurled finish which makes them easy to handle



Straight Male Cord Connectors

IP66*

UL Listed to Type 4, 4X, 12 and 13

Form Size 1-4



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	Cord Dia. Inches (mm)	Form Size	Color Code	Machined Aluminum	Machined Zinc- Plated Steel	Stainless Steel	Nylon Gray	Nylon Black
/4	.06"13" (1.6-3.2) .13"19" (3.2-4.7) .19"25" (4.7-6.3) .25"31" (6.3-7.9) .31"38" (7.9-9.5) .38"44" (9.5-11)	F1	Green Orange Red Black White Blue	SHC1002 SHC1003 SHC1004 SHC1005**	= = = = = = = = = = = = = = = = = = = =	— SHC1003SS SHC1004SS —	SHC1001CR SHC1002CR SHC1003CR SHC1004CR SHC1005CR SHC1006CR	— — — — SHC2005CR
/8	.3844 (9.3-11) .06"13" (1.6-3.2) .13"19" (3.2-4.7) .19"25" (4.7-6.3) .25"31" (6.3-7.9) .31"38" (7.9-9.5) .38"44" (9.5-11.0)	F1	Green Orange Red Black White Blue	SHC1007 SHC1008 SHC1009 SHC1010 SHC1011 SHC1012	SHC1008ZP SHC1010ZP SHC1012ZP	SHC1009SS — SHC1011SS SHC1012SS	SHC1000CR SHC1008CR SHC1009CR SHC1010CR SHC1011CR SHC1011CR	SHC2008CR SHC2010CR SHC2011CR SHC2011CR
ź	.19"25" (4.7-6.3) .25"31" (6.3-7.9) .31"38" (7.9-9.5) .38"44" (9.5-11.0)	F1	Red Black White Blue	SHC1015 SHC1016 SHC1017 SHC1018	_ _ _ _	_ _ _	_ _ _	_ _ _ _
ź	.06".13" (1.6-3.2) .13"19" (3.2-4.7) .19"25" (4.7-6.3) .25"38" (6.39.7) .38"50" (9.7-12.7) .50"63" (12.7-15.9)	F2	Green Orange Red White Blue Brown	SHC1019 SHC1020 SHC1021 SHC1022 SHC1023 SHC1024	SHC1020ZP SHC1021ZP SHC1022ZP SHC1023ZP SHC1024ZP	— SHC1020SS SHC1021SS SHC1022SS SHC1023SS SHC1024SS	SHC1019CR SHC1020CR SHC1021CR SHC1022CR SHC1023CR SHC1024CR**	— SHC2021CR SHC2022CR SHC2023CR SHC2024CR**
2	.38"50" (9.7-12.7) .50"63" (12.7-15.9) .63"75" (15.9-19.0) .75"88" (19.0-22.2)	F3	Blue Brown Yellow Orchid	SHC1025 SHC1026 SHC1027** SHC1028**	— — SHC1027ZP** SHC1028ZP**	_ _ _	_ _ _	_ _ _
4	.06"13"(1.6-3.2) .13"19"(3.2-4.7) .19"25"(4.7-6.3) .25"38"(6.3-9.7) .38"50" (9.7-12.7)	F2	Green Orange Red White Blue	SHC1029 SHC1030 SHC1031 SHC1032 SHC1033	SHC1020ZP SHC1030ZP SHC1031ZP SHC1032ZP SHC1033ZP			
	.50"63" (12.7-15.9) .38"50" (9.5-12.7) .50"63" (12.7-15.9) .63"75" (15.9-19.0) .75"88" (19.0-22.2)	F3	Brown Blue Brown Yellow Orchid	SHC1034 — SHC1036 SHC1037 SHC1038**	SHC1034ZP SHC1035ZP — SHC1037ZP SHC1038ZP**	— SHC1035SS SHC1036SS SHC1037SS SHC1038SS**	— SHC1035CR SHC1036CR SHC1037CR SHC1038CR**	SHC2035CR SHC2036CR SHC2037CR SHC2038CR**
	.50"63" (12.7-15.9) .63"75" (15.9-19.0) .75"88" (19.0-22.2) .38"50" (9.7-12.7)		Brown Yellow Orchid Blue	— — — — SHC1039	SHC1097ZP SHC1098ZP SHC1099ZP	_ _ _	— — — SHC1039CR	_ _
	.50"63" (12.7-15.9) .63"75" (15.9-19.0) .75"88" (19.0-22.2) .88"-1.00"(22.2-25.4)	F4	Brown Yellow Orchid Gray	SHC1040 SHC1041 SHC1042 SHC1043	— — — — SHC1043ZP	SHC1041SS SHC1042SS SHC1043SS	SHC1049CR SHC1041CR SHC1042CR SHC1043CR	SHC2040CR SHC2041CR SHC2042CR SHC2043CR
	1.00"-1.13" (25.4-28.6		Pink	SHC1044**	3	SHC1044SS**	SHC1044CR**	SHC2044CR**

Note: See pages W-78 to W-88 for technical information and dimensional drawings.

*IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.

^{**}Cable jacket may have to be stripped to pass through connector body.

Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.

Locknuts sold separately. See page W-75 for additional information.



UL Listed to Type 4, 4X, 12 and 13

Straight Male Cord Connectors

Form Size 5-8







Straight Male

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NPT Hub Size	Cord Diameter Inches (mm)	Form Size	Cast Aluminum	Malleable Iron	
1	.88"-1.00" (22.2-25.4) 1.00"-1.13" (25.4-28.6) 1.13"-1.25" (28.6-31.7) 1.25"-1.38" (31.7-34.9)	F5	SHC1046 SHC1047** SHC1048** SHC1049**	_ _ _	
11/4	.75"88" (19.0-22.2) .88"-1.00" (22.2-25.4) 1.00"-1.13" (25.4-28.6) 1.13"-1.25" (28.6-31.7) 1.25"-1.38" (31.7-34.9)	F5	SHC1050 SHC1051 SHC1052 SHC1053 SHC1054**	— SHC1052ZP SHC1053ZP SHC1054ZP	
1½	.75"88" (19.0-22.2) .88"-1.00" (22.2-25.4) 1.00"-1.13" (25.4-28.6) 1.13"-1.25" (28.6-31.7) 1.25"-1.38" (31.7-34.9)	F5	SHC1055 SHC1056 SHC1057 SHC1058 SHC1059	— SHC1057ZP SHC1058ZP SHC1059ZP	
1½	1.38"-1.50" (34.9-38.1) 1.50"-1.63" (38.1-41.3) 1.63"-1.75" (41.3-44.4) 1.75"-1.88" (44.4-47.6)	F6	SHC1061 SHC1062** SHC1063** SHC1064**		
2	1.25"-1.38" (31.7-34.9) 1.38"-1.50" (34.9-38.1) 1.50"-1.63" (38.1-41.3) 1.63"-1.75" (41.3-44.4) 1.75"-1.88" (44.4-47.6)	F6	SHC1065 SHC1066 SHC1067 SHC1068 SHC1069		
2	1.69"-1.81" (42.9-46.0) 1.81"-1.94" (46.0-49.2) 1.94"-2.06" (49.2-52.4) 2.06"-2.19" (52.4-55.6) 2.19"-2.31" (55.6-58.7)	F7	SHC1070 SHC1071 SHC1072** SHC1073** SHC1074**		
2½	1.69"-1.81" (42.9-46.0) 1.81"-1.94" (46.0-49.2) 1.94"-2.06" (49.2-52.4) 2.06"-2.19" (52.4-55.6) 2.19"-2.31" (55.6-58.7) 2.31"-2.44" (58.7-61.9)	F7	SHC1076 SHC1077 SHC1078 SHC1079 SHC1080 SHC1081**	_ _ _ _ _	
3	1.69"-1.81" (42.9-46.0) 1.94"-2.06" (49.2-52.4) 2.06"-2.19" (52.4-55.6) 2.19"-2.31" (55.6-58.7) 2.31"-2.44" (58.7-61.9)	F7	SHC1086 SHC1088 SHC1089 SHC1090 SHC1091		
3	2.44"-2.63" (61.9-66.7) 2.63"-2.81" (66.7-71.4) 2.81"-3.00" (71.4-76.2) 3.00"-3.25" (76.2-82.5)	F8	SHC1092 SHC1093 SHC1094 SHC1095**		

Locknuts sold separately. See page W-75 for additional information.

Note: See pages W-78 to W-88 for technical information and dimensional drawings.

*IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.

^{**}Cable jacket may have to be stripped to pass through connector body.



45° and 90° Male Cord Connectors

Form Size 1-6















90°	Male

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NPT Hub Size	Cord Diamete Inches (mm)	er	Form Size	Color Code	Machined Aluminum†	Machined Zinc- Plated Steel∆	Cast Aluminum	Nylon Gray	Nylon Black
3/8	.25"31" .31"38" .38"44"	(6.3-7.9) (7.9-9.5) (9.5-11.0)	F1	Black White Blue	NHC1010 NHC1011 NHC1012	_ _ _	_ _ _	<u>-</u> -	_ _ _
1/2	.06"13" .13"19" .19"25" .25"38" .38"50" .50"63"	(1.6-3.2) (3.2-4.7) (4.7-6.3) (6.3-9.7) (9.7-12.7) (12.7-15.9)	F2	Green Orange Red White Blue Brown	— NHC1020 NHC1021 NHC1022 NHC1023 NHC1024**	— NHC1021ZP NHC1022ZP NHC1023ZP NHC1024ZP**	_ _ _ _ _	MHC1020CR NHC1021CR NHC1022CR NHC1023CR NHC1024CR**	— — — NHC2022CR NHC2023CR NHC2024CR**
3/4	.38"50" .50"63" .63"75" .75"88"	(9.7-12.7) (12.7-15.9) (15.9-19.0) (19.0-22.2)	F3	Blue Brown Yellow Orchid	NHC1035 NHC1036 NHC1037 NHC1038	NHC1035ZP NHC1036ZP NHC1037ZP NHC1038ZP	= =	NHC1035CR NHC1036CR NHC1037CR NHC1038CR	
1	.50"63" .63"75" .75"88" .88"-1.00" 1.00"-1.13"	(12.7-15.9) (15.9-19.0) (19.0-22.2) (22.2-25.4) (25.4-28.7)	F4	Brown Yellow Orchid Gray Pink	NHC1040 NHC1041 NHC1042 NHC1043** NHC1044**	— NHC1041ZP — — —	_ _ _ _	MHC1041CR NHC1042CR NHC1043CR MHC1043CR	— NHC2041CR NHC2042CR** —
11/4	.88"-1.00" 1.00"-1.13" 1.13"-1.25" 1.25"-1.38"	(22.2-25.4) (25.4-28.6) (28.6-31.7) (31.7-34.9)	F5	_ _ _ _	=		NHC1051 NHC1052 NHC1053** NHC1054**	_ _ _	=
1½	1.00"-1.13" 1.13"-1.25" 1.25"-1.38"	(25.4-28.6) (28.6-31.7) (31.7-34.9)	F5	_ _ _	=	=	NHC1057 — NHC1059	=	=
2	1.38"-1.50" 1.50"-1.63"	(34.9-38.1) (38.1-41.3)	F6	_ _	=	_	NHC1066 NHC1067	_	_







45° Male

NPT Hub Size	Cord Diamete Inches (mm)		Form Size	Color Code	Machined Aluminum†	Machined Zinc- Plated Steel∆	Cast Aluminum	
1/2	.19"25" .25"38" .38"50" .50"63"	(4.7-6.3) (6.3-9.7) (9.7-12.7) (12.7-15.9)	F2	Red White Blue Brown	VHC1021 VHC1022 VHC1023 VHC1024**	— VHC1022ZP VHC1023ZP VHC1024ZP**		
3/4	.38"50" .50"63" .63"75"	(9.7-12.7) (12.7-15.9) (15.9-19.0)	F3	Blue Brown Yellow	VHC1035 VHC1036 VHC1037**	=		
1	.63"75" .75"88"	(15.9-19.0) (19.0-22.2)	F4	Yellow Orchid	VHC1041 VHC1042		_	
11⁄4	1.00"-1.13" 1.13"-1.25"	(25.4-28.6) (28.6-31.7)	F5		_	_	VHC1052 VHC1053**	

Note: See pages W-78 to W-88 for technical information and dimensional drawings.

^{*}IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.

^{**}Cable jacket may have to be stripped to pass through connector body.

[†]Nuts are machined aluminum and bodies are cast aluminum.

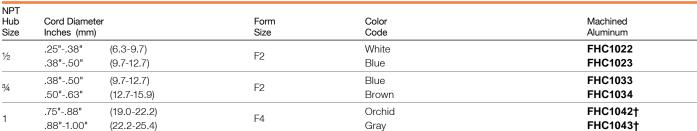
ACompression nuts are machined zinc-plated steel and bodies are zinc-plated malleable iron. Locknuts sold separately. See page W-75 for additional information.

Straight Female, Underground Feeder and Metric Connectors

Form Size 1-4



Straight Female



Note: See pages W-78 to W-88 for technical information and dimensional drawings.

[†]Nuts are machined aluminum and bodies are cast aluminum.













Underground Feeder Connectors

NPT Hub Size	Cord Diameter Inches (mm)	Wire Size	UF** Machined Aluminum	Machined Zinc-Plated Steel	Nylon Gray	Nylon Black
1/2	.2"x.4" min (5.1 x 10.2) .25"55" max (6.3 x 14.0)	2 # 14, 2 # 12, 2 # 10.	UFC0001	UFC0001ZP	UFC0001CR	UFC2001CR
3/4	.2"x.4" min (5.1x10.2) .25"55" max (6.3x14.0)	2 # 14, 2 # 12, 2 # 10.	UFC0002	_	_	_
3/4	.2"x.6" min (5.1x15.2) .26"x.78" max (6.6x19.8)	3 # 14, 3 # 12, 3 # 10.	UFC0003	_	UFC0003CR	UFC2003CR

Note: See pages W-78 to W-88 for technical information and dimensional drawings.

Locknuts sold separately, see page W-75 for additional information.



UL Listed to Type 4, 4X, 12 and 13[†]

Metric Aluminum Cord Connectors

Metric Hub Size	Cord Diame		Form Size	Color Code	Catalog Number
M16	.31"38"	(7.9-9.7)	F1	White	SHCM161011
M20	.31"38"	(7.9-9.7)	F1	White	SHCM201017
	.25"38"	(6.3-9.7)		White	SHCM201022
M20	.38"50"	(9.7-12.7)	F2	Blue	SHCM201023
	.50"62"	(12.7-15.8)		Brown	SHCM201024
MOE	.38"50"	(9.7-12.7)	F0.	Blue	SHCM251033
M25	.50"62"	(12.7-15.8)	F2	Brown	SHCM251034
M30	.63"-75"	(15.9-19.0)	F3	Yellow	SHCM301037

Note: †When used with metal clad O-ring, see page W-75 for additional information.

Non-metallic Locknuts sold separately, see page W-75 for additional information.



^{*}Cable jacket may have to be stripped to pass through connector body.

^{*}IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.

^{**}Wire sizes vary among manufacturers.



Low Profile NPT, PG and Metric Thread Connectors

Non-Metallic Cord Connectors.









Low Profile NPT Cord Connectors

NPT Hub Size	Cord Diameter Inches (mm)	Black	Gray	Non-metallic Locknuts
3/8	.18"31" (4.6-7.9)	SEC38BA*	SEC38GA*	31622002LPK50
1/2	.17"45" (4.3-11.4)	SEC50BA	SEC50GA	31622003LPK50
3/4	.25"48" (6.35-12.19)	_	SEC75RGA	31622007LPK50
3/4	.45"71" (11.4-18.0)	SEC75BA	SEC75GA	31622007LPK50
1	.59"-1.00" (15-25.4)	SEC100BA	SEC100GA	31622008LPK50

Note: See pages W-78 to W-88 for technical information and dimensional drawings. Catalog numbers with "PK50" suffix are bulk packed 50 pieces.

Low Profile PG[△] Cord Connectors

	Cord Diameter		_	
Hub Size	Inches (mm)	Black	Gray	Non-metallic Locknuts
PG7	.11"25" (2.9-6.4)	SECP7BA*	SECP7GA*	LNP7BPK100
PG9	.18"31" (4.6-7.9)	SECP9BA*	SECP9GA*	LNP9BPK100
PG11	.23"40" (5.8-10.0)	SECP11BA*	SECP11GA*	LNP11BPK100
PG13.5	.17"47" (4.3-11.9)	SECP13BA	SECP13GA	LNP13BPK100
PG16	.23"53" (5.8-13.5)	SECP16BA	SECP16GA	LNP16BPK100
PG21	.45"71" (11.4-17.9)	SECP21BA	SECP21GA	LNP21BPK100
PG29	.59"99" (15-25.2)	SECP29BA	SECP29GA	LNP29BPK25
PG36	.88"-1.30" (22.2-32.0)	SECP36BA	SECP36GA	LNP36BPK25

Low Profile Metric Cord Connectors

Hub Size	Cord Diameter Inches (mm)	Black	Gray	Non-metallic Locknuts
M12	.12"25" (2.9-6.4)	SECM12B	SECM12G	LNM12BPK100
M16	.11"31" (2.7-7.9)	SECM16B	SECM16G	LNM16BPK100
M20	.17"45" (4.3-11.4)	SECM20B*	SECM20G*	LNM20BPK100
M25	.49"71" (12.3-18.0)	SECM25B*	SECM25G*	LNM25BPK100
M32	.59"-1.00" (15.0-25.4)	SECM32B*	SECM32G*	LNM32BPK100
M40	.87"-1.30" (22.0-32.0)	SECM40B	SECM40G	LNM40BPK100

Note: See pages W-78 to W-88 for technical information and dimensional drawings.

Catalog numbers above with "PK100" suffix, i.e. LNP7BPK100, are bulk packed 100 per carton. Catalog numbers above with "PK25" suffix, i.e. LNP29BPK25, are bulk packed 25 per carton.

*Items indicated are UL recognized components.

∆Panzergewinde.





Low Profile Multi-Hole Cord Grip Connectors

NPT Hub Size	Cord Diameter Inches (mm)	Color	Material	Holes	Catalog Number
1/2	.205" (5.2mm)	Black	Nylon	2	SEC50B252
3/4	.205" (5.2mm)	Black	Nylon	3	SEC75B352
3/4	.205" (5.2mm)	Black	Nylon	4	SEC75B452
1/2	.220" (5.6mm)	Black	Nylon	3	SEC50B356
1	.215" (5.5mm)	Black	Nylon	9*	SEC100BSMH9
11/4	.215" (5.5mm)	Black	Nylon	13*	SEC125BSMH13

Note: *Skinned bushings, field configurable.

Accessories







Multi-Hole Cord Grip Connectors

NPT Hub Size	Cord Diameter e Inches (mm)		Form Size	Material	Holes	Catalog Number
TIUD GIZE	IIICIICS	(11111)	Oize	IVIALEITAI	rioles	Oatalog Nullibel
1/2	0.23-0.29"	(5.8-7.4mm)	F2	Aluminum	2	MHC1022
3/4	0.23-0.29"	(5.8-7.4mm)	F3	Aluminum	4	MHC1032
1/2	0.23-0.29"	(5.8-7.4mm)	F2	Nylon Gray	2	MHC1022CR
1/2	0.23-0.29"	(5.8-7.4mm)	F2	Nylon Black	2	MHC2022CR
3/4	0.23-0.29"	(5.8-7.4mm)	F3	Nylon Gray	4	MHC1032CR
3/4	0.23-0.29"	(5.8-7.4mm)	F3	Nylon Black	4	MHC2032CR





Cord Connector Parts

NPT	Cord Diameter	Form	Bushing		GOTCHA® Ring		
Hub Size	Inches (mm)	Size	Catalog Number	Color Code	Catalog Number		
	.062"125" (1.58-3.17)		31518101BPK100	Green	31648035GPK100		
	.125"187" (3.17-4.76)		31518102BPK100	Orange	31648036GPK100		
1/. 3/ 1/.	.187"250" (4.76-6.35)	F1	31518103BPK100	Red	31648037GPK100		
1⁄4, ³/ ₈ , 1⁄2	.250"312" (6.35-7.93)	гі	31518104BPK100	Black	31648038GPK100		
	.312"375" (7.93-9.50)		31518105BPK100	White	31605010GPK100		
	.375"437" (9.50-11.1)		31518106BPK100	Blue	31648039GPK100		
	.187"250" (4.76-6.35)		31518110BPK100	Red	31648042GPK100		
1/- 3/-	.250"375" (6.35-9.50)	F2	31518111BPK100	White	31605015GPK100		
1/2, 3/4	.375"500" (9.50-12.7)	F2	31518112BPK100	Blue	31648043GPK100		
	.500"625" (12.7-15.8)		31518113BPK100	Brown	31648044GPK100		
	.375"500" (9.50-12.7)		31518116BPK100	Blue	31648045GPK100		
1/ 2/	.500"625" (12.7-15.8)	FO	31518117BPK100	Brown	31648046GPK100		
1/2, 3/4	.625"750" (15.8-19.0)	F3	31518118BPK100	Yellow	31648047GPK100		
	.750"875" (19.0-22.2)		31518119BPK100	Orchid	31648048GPK100		
	.500"625" (12.7-15.8)		31518123BPK100	Brown	31648050GPK100		
	.625"750" (15.8-19.0)		31518124BPK100	Yellow	31648051GPK100		
1	.750"875" (19.0-22.2)	F4	31518125BPK100	Orchid	31648052GPK100		
	.875"-1.00" (22.2-25.4)		31518126BPK100	Gray	31648053GPK100		
	1.00"-1.125" (25.4-28.5)		31518127BPK100	Pink	31648054GPK100		

Note: Catalog numbers above with "PK100" suffix, i.e. 31518101BPK100, are bulk packed 100 per carton







Locknuts and Metal Clad Sealing O-Rings

NPT			
Hub Size	Zinc-Plated Steel Locknuts	Non-Metallic Locknuts	Metal Clad Sealing O-Rings*
1/4	_	31622001LPK50	_
3/8	_	31622002LPK50	_
1/2	00322001LPK50	31622003LPK50	20509001
3/4	00322002LPK50	31622007LPK50	20509002
1	00322003LPK50	31622008LPK50	20509003
11⁄4	00322004LPK50	_	20509004
11/2	00322005LPK50	-	20509005
2	00322006LPK50	_	20509006
21/2	00322007LPK50	_	20509007
3	00322008LPK50	_	20509008

Note: Catalog numbers above with "PK50" suffix, i.e. 00322001LPK50, are bulk packed 50 per carton. See page W-87 for technical information and dimensional drawings. *UL listed and CSA certified.

Features and Benefits





Liquidtight Seal

- Lubricated neoprene bushing compresses evenly for a liquidtight seal and added pull-out protection
- Nylon connector body is a one-piece design with a tapered interior that seals the bushing evenly for a positive seal



Connector Body

- Nylon spiral provides arc-of-bend control for cord protection
- Threaded hexagon shaped nylon locknut secures tightly and is also corrosion resistant



Connector Protection

- Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief
- Nylon compression nut has a tapered interior dome to easily drive the bushing into the connector body



Comprehensive Offering

 Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors and feature the same GOTCHA® ring technology and neoprene bushings



Hubbell Juniors® Miniature Nylon Cord Connectors



Black Cord Connector



Gray Cord Connector

Miniature Nylon Cord Connector

NPT	Cord Diam		5	
Hub Size	Inches (mr	m) 	 Black	Gray
	.08"14"	(1.9-3.4)	HJ1001BPK25	HJ1001GPK25
1/4	.14"20"	(3.4-5.1)	HJ1002BPK25	HJ1002GPK25
	.20"27"	(5.1-6.7)	HJ1003BPK25	HJ1003GPK25
	.15"21"	(3.7-5.3)	HJ1004BPK25	HJ1004GPK25
3/8	.21"28"	(5.3-7.0)	HJ1005BPK25	HJ1005GPK25
	.28"34"	(7.0-8.6)	HJ1006BPK25	HJ1006GPK25
	.06"13"	(1.6-3.2)	HJ1055BPK25	HJ1055GPK25
	.13"19"	(3.2-4.7)	HJ1056BPK25	HJ1056GPK25
1/	.19"25"	(4.7-6.3)	HJ1057BPK25	HJ1057GPK25
1/2	.25"31"	(6.3-7.9)	HJ1058BPK25	HJ1058GPK25
	.31"38"	(7.9-9.5)	HJ1059BPK25	HJ1059GPK25
	.38"44"	(9.5-11.1)	HJ1060BPK25	HJ1060GPK25



Black Cord Connector with Spiral



Gray Cord Connector with Spiral

Miniature Nylon Cord Connector with Spiral

NPT Hub Size	Cord Diam Inches	neter Range (mm)	Black	Gray
	.08"14"	(1.9-3.4)	HJ1010BPK25	HJ1010GPK25
1/4	.14"20"	(3.4-5.1)	HJ1011BPK25	HJ1011GPK25
	.20"27"	(5.1-6.7)	HJ1012BPK25	HJ1012GPK25
	.15"21"	(3.7-5.3)	HJ1013BPK25	HJ1013GPK25
3/8	.21"28"	(5.3-7.0)	HJ1014BPK25	HJ1014GPK25
	.28"34"	(7.0-8.6)	HJ1015BPK25	HJ1015GPK25
	.13"19"	(3.2-4.7)	HJ1038BPK25	HJ1038GPK25
	.19"25"	(4.7-6.3)	HJ1039BPK25	HJ1039GPK25
1/2	.25"31"	(6.3-7.9)	HJ1040BPK25	HJ1040GPK25
	.31"38"	(7.9-9.5)	HJ1041BPK25	HJ1041GPK25
	.38"44"	(9.5-11.1)	HJ1042BPK25	HJ1042GPK25
	.25"49"	(6.4-12.3)	HJ1043BPK25*	HJ1043GPK25*
3/4	.45"71"	(11.4-18.0)	HJ1044BPK25*	HJ1044GPK25*

Note: *Locknuts sold separately, see page W-75 for additional information.



Gray Snap-In Cord Connector

Miniature Nylon Snap-In Cord Connector with Spiral

Cord Diameter Range Inches (mm)	For Chassis Thickness	Black	Gray
.22"27" (5.6-6.9)	.10" (2.5) Max	HS1001BPK25	HS1001GPK25
.28"32" (7.1-8.1)	.10" (2.5) Max	HS1002BPK25	HS1002GPK25
.30"36" (7.6-9.1)	.13" (3.2) Max	HS1003BPK25	HS1003GPK25
.32"43" (8.1-10.9)	.13" (3.2) Max	HS1004BPK25	HS1004GPK25

Note: Catalog numbers above with "PK25" suffix, i.e. HJ1001GPK25, are bulk packed 25 per carton. See page W-88 for technical information and dimensional drawings.

Operating Temperatures

Material	Temperature Range
Aluminum	-40°F to +300°F (-40°C to +149°C)
Nylon (connectors and GOTCHA® rings)	-40°F to +225°F (-40°C to +107°C)
Plated steel*	-60°F to +1000°F (-51°C to +537°C)
Stainless steel*	-60°F to +1000°F (-51°C to +537°C)
Neoprene (bushings)	-30°F to +240°F (-34°C to +115°C)

Note: *Due to the limiting factors of nylon and neoprene, any complete cord connector with a GOTCHA ring, Form 1-5, will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).

Cord connectors without GOTCHA rings, Form 6-8, will continuously operate in the range -30°F to +240°F (-34°C to +115°C) due to the limiting factor of neoprene.

Hazardous Locations

Hubbell cord connectors are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 in accordance with the NEC.

Flammability

Hubbell nylon cord connectors have a UL 94-V2 rating.

Approvals

Agency

UL Listed in accordance with Standard 514B for indoor/outdoor use.

CSA Certified.

United States Coast Guard Approved, Title 46-Part 111.

Form Size Definition

The term "Form Size" refers to the physical overall size of a cord connector.

Form 1 is the smallest size.

Form 8 is the largest size.

Knockout Holes

Knockout Hole Recommended NPT Min. to Max.			Knockout Hole PG	Knockout Hole Recommended PG			Knockout Hole Recommended Metric		
Hub Size	Inches	(mm)	Hub Size	Inches (ı	mm)	Hub Size	Inches	(mm)	
1/4	.54"57"	(13.7-14.5)	PG7	492" (12.5)	M12	.472"	(12)	
3/8	.67"70"	(17.0-17.8)	PG9	599" (15.2)	M16	.629"	(16)	
1/2	.86"91"	(21.8-23.0)	PG11	.733" (18.6)	M20	.787"	(20)	
3/4	1.04"-1.09"	(26.4-27.8)	PG13.5	.804" (2	20.4)	M25	.984"	(25)	
1	1.36"-1.41"	(34.5-35.7)	PG16	.888" (2	22.5)	M32	1.25"	(32)	
11/4	1.72"-1.77"	(43.7-44.9)	PG21	1.15" (2	28.3)	M40	1.57"	(40)	
1½	1.97"-2.02"	(50.0-51.2)	PG29	1.47" (34.3)				
2	2.45"-2.50"	(62.3-63.5)	PG36	1.85" (4	47.0)				
2½	2.95"-3.00"	(75.0-76.2)							
3	3.58"-3.63"	(90.9-92.1)							

NPT, PG and Metric Thread Low Profile Connectors

Specifications

Material 6/6 Nylon. Gland Buna N.

Temperature Range -22°F to 225°F (-30°C to 107°C).

Cord Connectors are Halogen and Silicon free.

Protection Class IP66 Suitability. Flammability UL 94X-2.

Listings/Certifications

UL Listing File E-41567, UL Recognition File E-41567.

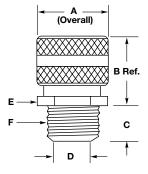
CSA File LR27378C, VDE Marks Licence #136681.



Straight Hubbell Connectors

		Aluminum Inches (mm)							Nylon Inches (mm)				
F NPT		А	В	С	D Throat		Е	A	В	С	D Throat		Е
Inches	Form	Dia.	Ref.		Dia.	A/C*	A/F*	Dia.	Ref.		Dia.	A/C*	A/F*
1⁄4-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.32" (8.1)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.33" (8.4)	.1.00" (25.4)	.93" (23.6)
3/8-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.45" (11.4)	.1.00" (25.4)	.93" (23.6)
1/2-14	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	1.00" (25.4)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.46" (11.7)	.45" (11.4)	.1.00" (25.4)	.93" (23.6)
1/2-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.53" (13.5)	.58" (14.7)	1.25" (31.7)	1.12" (28.4)
1/2-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	_	_	_	_	_	_
3/4-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	_	_	_	_	_	_
34-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.55" (14.0)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)
1-11½	4	1.75" (44.4)	1.60" (40.6)	.71" (18.0)	1.02" (25.9)	1.81" (46.0)	1.62" (41.1)	1.88" (47.8)	1.75" (44.4)	.70" (17.8)	1.01" (25.7)	1.84" (46.7)	1.63" (41.4)
1-11½	5	2.31" (58.7)	1.70" (43.2)	.66" (16.8)	1.01" (25.7)	2.28" (57.9)	2.00" (50.8)	_	_	_	_	_	_
11/4-111/2	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.26" (32.0)	2.28" (57.9)	2.12" (53.8)	_	_	_	_	_	_
1½-11½	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.38" (35.1)	2.28" (57.9)	2.12" (53.8)	_	_	_	_	_	_
1½-11½	6	3.00" (76.2)	2.20" (55.9)	.75" (19.0)	1.50" (38.1)	2.97" (75.4)	2.75" (69.8)	_	_	_	_	_	_
2-11½	6	3.00" (76.2)	2.20" (55.9)	.80" (20.3)	1.92" (48.8)	3.24" (82.4)	3.00" (76.2)	_	_	-	_	_	_
2-11½	7	3.85" (97.8)	2.70" (68.6)	.88" (22.4)	1.94" (49.3)	4.05" (102.9)	3.75" (95.2)	_	_	-	_	_	_
2½-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.32" (58.9)	4.34" (110.2)	4.02" (102.1)	_	_	_	_	_	_
2½-8	8	4.75" (120.6)	2.70" (68.6)	1.25" (31.7)	2.38" (60.5)	4.86" (123.4)	4.50" (114.3)	_	_	-	-	_	-
3-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.54" (64.5)	4.34" (110.2)	4.02" (102.1)	_	_	_	_	_	_
3-8	8	4.50" (114.3)	2.70" (68.6)	1.38" (35.1)	3.00" (76.2)	4.86" (123.4)	4.50" (114.3)	_	_	_	_	_	_
		•	•		•	-	•						

Note: *A/C— Across Corners; A/F—Across Flats.

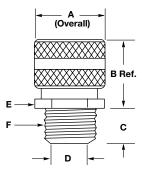


Dimensions shown are approximate and are subject to change without notice.

Straight Hubbell Connectors

		Zinc-Pla	ted Steel	Inches (mn	n)				Stainles	s Steel Inc	hes (mm)				
F		Α	1	В	С	D .	Е			A	В	С	D .		E
NPT Inches	Form	A/C*	A/F*	Ref.		Throat Dia.	A/C*	A/F*	A/C*	A/F*	Ref.		Throat Dia.	A/C*	A/F*
1⁄4- 18	1	=	=	_	_	-	_	_	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.38" (9.7)	.87" (22.1)	.75" (19.0)
3/8-18	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.42" (10.7)	.45" (11.4)	.99" (25.1)	.88" (22.4)	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.45" (11.4)	.87" (22.1)	.75" (19.0)
1/2-14	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.55" (14.0)	.45" (11.4)	1.00" (25.4)	.88" (22.4)	_	_	_	_	_	_	_
1/2-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.10" (28.2)	1.00" (25.4)	1.30" (33.0)	1.13" (28.7)	1.10" (27.9)	.54" (13.7)	.63" (16.0)	1.16" (29.5)	1.00" (25.4)
1/2-14	3	1.55" (39.4)	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	_	_	_	_	_	_	_
34-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	_	_	_	_	_	_	_
34-14	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.59" (40.4)	1.38" (35.1)	1.30" (33.0)	.56" (14.2)	.81" (20.6)	1.44" (36.6)	1.25" (31.7)
1-11½	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.70" (17.8)	.89" (22.6)	1.54" (39.1)	1.38" (35.1)	_	_	_	_	_	_	_
1-11½	4	1.92" (48.8)	1.69" (42.9)	1.60" (40.6)	.70" (17.8)	1.02" (25.9)	1.95" (49.5)	1.69" (42.9)	2.02" (51.3)	1.75" (44.4)	1.40" (35.6)	.70" (17.8)	1.03" (26.2)	1.88" (47.8)	1.63" (41.4)
1-11½	5	2.40" (61.0)	_	1.70" (43.2)	.70" (17.8)	1.02" (25.9)	2.46" (62.5)	2.15" (54.6)	_	_	_	_	_	_	_
1¼-11½	5	2.40" (61.0)	_	1.70" (43.2)	.73" (18.5)	1.27" (32.3)	2.48" (63.0)	2.19" (55.6)	_	_	_	_	_	_	_
1½-11½	5	2.40" (61.0)	_	1.70" (43.2)	.74" (18.8)	1.39" (35.3)	2.48" (63.0)	2.19" (55.6)	_	_	_	_	_	_	_
1½-11½	6	3.06" (77.7)	_	2.20" (55.9)	.75" (19.0)	1.52" (38.6)	3.04" (77.2)	2.83" (71.9)	_	_	_	_	_	_	_
2-11½	6	3.06" (77.7)	_	2.20" (55.9)	.78" (19.8)	1.92" (48.8)	3.32" (84.3)	3.07" (78.0)	_	_	_	_	_	_	_
2-11½	7	3.95" (100.3)	_	2.70" (68.6)	.78" (19.8)	1.99" (50.5)	4.18" (106.2)	3.89" (98.8)	_	_	_	_	_	_	_

Note: *A/C— Across Corners; A/F—Across Flats.



Dimensions shown are approximate and are subject to change without notice.

45° Hubbell Connectors

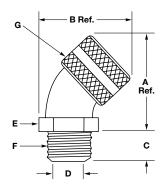
		Aluminu	m Inches ((mm)					Zinc Pla	ted Steel I	Inches (mr	n)				
F		Α	В	С	D	E		G	Α	В	С	D	E		G	
NPT Inches	Form	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Dia.	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Across Corners	Across Flats
1/2-14	2	2.00" (50.8)	1.90" (48.3)	.55" (14.0)	.56" (14.2)	1.27" (32.3)	1.10" (27.9)	1.13" (28.6)	1.97" (50.0)	1.90" (48.3)	.55" (14.0)	.57" (14.4)	1.24" (31.5)	1.06" (26.9)	1.27" (32.3)	1.13" (28.6)
3/4-14	3	2.30" (58.4)	2.50" (65.3)	.56" (14.2)	.75" (19.0)	1.48" (37.6)	1.28" (32.5)	1.38" (34.9)	_	_	_	_	_	_	_	_
1-11½	4	2.60" (66.0)	2.80" (71.1)	.70" (17.8)	1.00" (25.4)	1.69" (42.9)	1.50" (38.1)	1.75" (44.4)	_	_	_	_	_	_	_	_
1½-11½	5	3.90" (99.1)	3.90" (9.91)	.74" (18.8)	1.25" (31.7)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	_	_	_	_	_	=	_	=
1½-11½	5	3.90" (99.1)	3.90" (99.1)	.74" (18.8)	1.50" (38.1)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	_	_	_	_	_	_	_	_

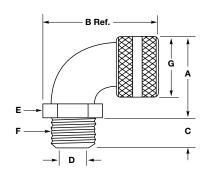
90° Hubbell Connectors

		Aluminu	ım Inches (mm)					Zinc Pla	ted Steel I	Inches (mi	n)				
F		Α	В	С	D	E		G	Α	В	С	D	Е		G	
NPT Inches	Form	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	— Dia.	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats	Across Corners	Across Flats
³⁄ ₈ -18	1	1.27" (32.3)	2.00" (50.8)	.46" (11.7)	.44" (11.2)	1.15" (29.2)	1.10" (27.9)	.88" (22.2)	_	_	_	_	=	_	=	_
1/2-14	2	1.56" (39.6)	2.30" (58.4)	.50" (12.7)	.55" (13.9)	1.30" (33.0)	1.13" (28.7)	1.13" (28.6)	1.65" (41.9)	2.38" (60.5)	.55" (14.0)	.55" (13.8)	1.29" (32.8)	1.13" (28.7)	1.27" (32.3)	1.13" (28.6)
3/4-14	3	1.79" (45.5)	2.80" (71.1)	.56" (14.2)	.77" (19.4)	1.49" (37.8)	1.31" (33.3)	1.38" (34.9)	1.88" (47.8)	2.90" (73.7)	.56" (14.2)	.77" (19.4)	1.52" (38.6)	1.33" (33.8)	1.55" (39.2)	1.38" (34.9)
1-11½	4	2.08" (52.8)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.70" (43.2)	1.50" (38.1)	1.75" (44.4)	2.16" (54.9)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.72" (43.7)	1.50" (38.1)	1.92" (48.8)	1.69" (42.8)
11/4-111/2	5	3.18" (80.8)	4.30" (109.2)	.73" (18.5)	1.26" (32.0)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	_	_	_	_	_	_	_	_
1½-11½	5	3.18" (80.8)	4.30" (109.2)	.75" (19.2)	1.50" (38.1)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	_	_	=	_	_	=	_	_
2-11½	6	3.51" (89.2)	5.50" (139.7)	.80" (20.3)	1.92" (48.8)	2.98" (75.7)	2.78" (70.6)	3.00" (76.2)	_	_	_	_	_	_	_	_

90° Hubbell Connectors

		Nylon In	nches (mm)				
F		Α	В	С	D	E		G
NPT Inches	Form	Dia	Ref.		Throat Dia.	Across Corners	Across Flats	Dia.
-	1 01111		1101.		Dia.	00111013	i iato	Dia.
³ / ₈ -18		_					_	
1/2-14	2	1.41"	2.50"	.55"	.58"	1.23"	1.12"	1.32"
		(35.8)	(63.5)	(14.0)	(14.6)	(31.2)	(28.2)	(33.4)
3/4-14	3	1.65"	2.81"	.56"	.77"	1.42"	1.29"	1.56"
		(41.9)	(71.4)	(14.2)	(19.4)	(36.1)	(32.8)	(39.6)
1-11½	4	1.99"	3.30"	.70"	1.01"	1.82"	1.60"	1.88"
		(50.5)	(83.8)	(17.8)	(25.7)	(46.2)	(40.6)	(47.6)

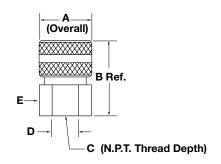


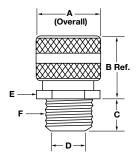


Dimensions shown are approximate and are subject to change without notice.

Female Hubbell Connectors

		Aluminum	n Inches (mm)				
F		А	В	С	D		E
NPT Inches	Form	Dia.	Ref.		Throat Dia.	Across Corners	Across Flats
³ / ₈ -18	1	.88" (22.4)	1.40" (35.6)	.56" (14.2)	.44" (11.2)	.94" (23.9)	.81" (20.6)
1/2-14	2	1.13" (28.7)	1.80" (45.7)	.56" (14.2)	.63" (16.0)	1.15" (29.2)	1.00" (25.4)
3/4-14	2	1.13" (28.7)	2.10" (53.3)	.75" (19.0)	.63" (16.0)	1.44" (36.6)	1.25" (31.7)
1-11½	4	1.75" (44.5)	2.30" (58.4)	.88" (22.4)	1.10" (27.9)	1.88" (47.8)	1.63" (41.4)
11/4-111/2	5	2.31" (58.7)	2.80" (71.1)	.95" (24.1)	1.43" (36.3)	2.64" (67.1)	2.29" (58.2)
1½-11½	5	2.31" (58.7)	2.80" (71.1)	.95" (24.1)	1.43" (36.3)	2.64" (67.1)	2.29" (58.2)





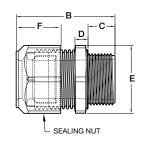
Underground Feeder Connectors

		Alumin	um Inch	nes (mm))			Zinc-P	lated St	eel Inche	es (mm)				Nylon	Inches (r	nm)			
F NPT		Α	В	С	D Throat	Е		P	١	В	С	D Throat	Е		A	В	С	D Throat	E	
Inches	Form	Dia.	Ref.		Dia.	A/C*	A/F*	A/C*	A/F*	Ref.		Dia.	A/C*	A/F*	Dia.	Ref.		Dia.	A/C*	A/F*
1/2-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.10" (27.9)	1.00" (25.4)	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.55" (14.0)	.58" (14.7)	1.25" (31.7)	1.13" (28.7)
³ ⁄ ₄ -14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (25.4)	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	_	_	_	_	_	_
3/4-14	3	1.13" (28.7)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.56" (14.2)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.56" (14.2)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)

Note: *A/C - Across Corners; A/F - Across Flats.

Low Profile Non-Metallic NPT, PG and Metric Thread Connectors

	Nylon Inches (m	ım)		'	'	'
Hub Size	Α	В	С	D	E	F
3/8 NPT	0.670" (17.0)	1.41" (35.8)	0.48" (12.4)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
½ NPT	0.875" (22.2)	1.70" (43.2)	0.61" (15.5)	0.21" (5.3)	0.88" (24.8)	0.66" (16.8)
¾ NPT	1.068" (27.1)	2.00" (50.8)	0.62" (15.7)	0.25" (6.3)	1.30" (33.0)	0.85" (21.6)
1 NPT	1.375" (35.0)	2.41" (61.2)	0.76" (19.3)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
PG7	0.492" (12.5)	1.16" (29.5)	0.32" (8.1)	0.21" (5.3)	0.63" (16.0)	0.48" (12.4)
PG9	0.599" (15.2)	1.25" (31.8)	0.32" (8.1)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
PG11	0.733" (18.6)	1.48" (37.6)	0.38" (9.7)	0.21" (5.3)	0.94" (23.9)	0.70" (17.8)
PG13.5	0.804" (20.4)	1.53" (38.9)	0.41" (10.4)	0.21" (5.3)	0.98" (24.9)	0.66" (16.8)
PG16	0.888" (22.5)	1.68" (42.7)	0.44" (11.2)	0.25" (6.4)	1.06" (27.0)	0.76" (19.3)
PG21	1.15" (28.3)	1.89" (48.0)	0.52" (13.2)	0.25" (6.4)	1.30" (33.0)	.085" (21.6)
PG29	1.47" (37.30)	2.23" (56.6)	0.58" (14.7)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
PG36	1.85" (47.0)	2.39" (60.7)	0.47" (11.9)	0.31" (7.9)	2.05" (52.7)	1.19" (30.2)
M12	0.473" (12.0)	1.16" (29.5)	0.32" (8.1)	0.21" (5.3)	0.63" (16.0)	0.49" (12.4)
M16	0.630" (16.0)	1.25" (31.8)	0.32" (8.1)	0.21" (5.3)	0.83" (21.0)	0.55" (14.0)
M20	0.787" (20.0)	1.53" (38.9)	0.41" (10.4)	0.21" (5.3)	0.98" (24.9)	0.66" (16.8)
M25	0.985" (25.0)	1.89" (48.0)	0.52" (13.2)	0.25" (6.3)	1.30" (33.0)	0.85" (21.6)
M32	1.260" (32.0)	2.23" (56.6)	0.58" (14.7)	0.30" (7.6)	1.73" (43.9)	1.05" (26.7)
M40	1.575" (40.0)	2.39" (60.7)	0.48" (12.2)	0.30" (7.6)	2.05" (52.1)	1.19" (30.2)





knockout size

Dimensions shown are approximate and are subject to change without notice.

2 Conductors

Cord Ty	/ре	SVO, SV, SVT	SJ, SJO, S	JT, SJTO		S, SO, ST,	STO				
Cord Si	ze	#18	#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Inches (.25" (6.2)	.31" (7.8)	.33" (8.4)	.37" (9.3)	.38" (9.7)	.40" (10.2)	.54" (13.7)	.62" (15.6)	.68" (17.1)	.81" (20.6)
Color		Black	Black	White	White	Blue	Blue	Brown	Brown	Yellow	Orchid
NPT	Form	Catalog Numbe	r*								
1/4	1	HC1004	HC1004	HC1005	HC1005	HC1006	HC1006	_	_	_	_
3/8	1	HC1010	HC1010	HC1011	HC1011	HC1012	HC1012	_	_	_	_
1/2	1	HC1016	HC1016	HC1017	HC1017	HC1018	HC1018	_	_	_	_
1/2	2	HC1022	HC1022	HC1022	HC1022	HC1023	HC1023	HC1024	HC1024	_	_
1/2	3	<u> </u>	_	_	_	HC1025	HC1025	HC1026	HC1026	HC1027	HC1028
3/4	2	HC1032	HC1032	HC1032	HC1032	HC1033	HC1033	HC1034	HC1034	_	_
3/4	3	<u> </u>	_	_	_	HC1035	HC1035	HC1036	HC1036	HC1037	HC1038
1	4	<u> </u>	_	_	_	HC1039	HC1039	HC1040	HC1040	HC1041	HC1042
1	5	<u> </u>	_	_	_	_	_	_	_	_	HC1045
1¼	5	_	_	_	_	_	_	_	_	_	HC1050
1½	5	_	_	_	_	_	_	_	_	_	HC1055
1½	6	_	_	_	_	_	_	_	_	_	_
2	6	_	_	_	_	_	_	_	_	_	_
2	7	_	_	_	_	_	_	_	_	_	_
2½	7	_	_	_	_	_	_	_	_	_	_
3	7	_	_	_	_	_	_	_	_	_	_

Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86. ‡F5 and larger will not be color coded.

3 Conductors

Cord Type)	SVO, SV, SVT	SJ, SJO, S	JT, SJTO		S, SO, ST,	STO				
Cord Size		#18	#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Di Inches (mr		.26" (6.5)	.33" (8.3)	.35" (8.9)	.39" (9.8)	.39" (9.9)	.42" (10.7)	.57" (14.4)	.65" (16.4)	.71" (18.0)	.85" (21.5)
Color		Black	White	White	Blue	Blue	Blue	Brown	Yellow	Yellow	Orchid
NPT F	Form	Catalog Number	r*								
1/4	1	HC1004	HC1005	HC1005	HC1006	HC1006	HC1006	_	_	_	_
3/8	1	HC1010	HC1011	HC1011	HC1012	HC1012	HC1012	_	_	_	_
1/2	1	HC1016	HC1017	HC1017	HC1018	HC1018	HC1018	_	_	_	_
1/2	2	HC1022	HC1022	HC1022	HC1023	HC1023	HC1023	HC1024	_	_	_
1/2	3	_	_	_	HC1025	HC1025	HC1025	HC1026	HC1027	HC1027	HC1028
3/4	2	HC1032	HC1032	HC1032	HC1033	HC1033	HC1033	HC1034	_	_	_
3/4	3	_	_	_	HC1035	HC1035	HC1035	HC1036	HC1037	HC1037	HC1038
1	4	_	_	_	HC1039	HC1039	HC1039	HC1040	HC1041	HC1041	HC1042
1	5	_	_	_	_	_	_	_	_	_	HC1045
11/4	5	_	_	_	_	_	_	_	_	_	HC1050
1½	5	_	_	_	_	_	_	_	_	_	HC1055
1½	6	_	_	_	<u> </u>	_	_	_	_	_	_
2	6	_	_	_	_	_	_	_	_	_	_
2	7	_	_	_	_	_	_	_	_	_	_
2½	7	_	_	_	_	_	_	_	_	_	_
3	7	_	_	_	_	_	_	_	_	_	_

Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-95. ‡F5 and larger will not be color coded.

2 Conductors

Cord Typ	е	SVO, SV, SVT	SJ, SJO, S	JT, SJTO		S, SO, ST,	STO				
Cord Size)	#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0	#250
Approx. [Inches (m		.94" (23.8)	1.08" (27.4)	1.17" (29.7)	1.27" (33.3)	1.44" (36.6)	1.52" (38.6)	1.65" (41.9)	1.77" (45.0)	1.92" (48.8)	2.16" (51.9)
Color		Gray‡	Pink‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	n Catalog Numbe	r*								
1/4	1	_	_	_	_	_	_	_	_	_	_
3/8	1	_	_	_	_	_	_	_	_	_	_
1/2	1	_	_	_	_	_	_	_	_	_	_
/2	2	_	_	_	_	_	_	_	_	_	_
1/2	3	_	_	_	_		_	_	_	_	_
3/4	2	_	_	_	_	_	_	_	_	_	_
3/4	3	_	_	_	_	_	_	_	_	_	_
1	4	HC1043	HC1044	_	_	_	_	_	_	_	_
1	5	HC1046	HC1047	HC1048	HC1049	_	_	_	_	_	_
11⁄4	5	HC1051	HC1052	HC1053	HC1054	_	_	_	_	_	_
1½	5	HC1056	HC1057	HC1058	HC1059	_	_	_	_	_	_
1½	6	_	_	_	HC1060	HC1061	HC1062	HC1063	HC1064	_	_
2	6	_	_	_	HC1065	HC1066	HC1067	HC1068	HC1069	_	_
2	7	_		_	_	_	_	_	HC1070	HC1071	HC1073
2½	7	_	_	_	_	_	_	_	HC1076	HC1077	HC1079
3	7	_	_	_	_	_	_	_	HC1086	HC1087	HC1089

Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86. ‡F5 and larger will not be color coded.

3 Conductors

CordTy	ре	SVO, SV, SVT	SJ, SJO, S	JT, SJTO		S, SO, ST,	STO				
Cord Siz	ze	#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0	#250
Approx. Inches (1.00" (25.4)	1.17" (29.7)	1.24" (31.5)	1.34" (34.0)	1.51" (38.4)	1.65" (41.9)	1.75" (44.5)	1.80" (48.0)	2.07" (52.6)	2.39" (60.7)
Color		Gray‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	Form	n Catalog Numbe	r*								
1/4	1	_	_	_	_	_	_	_	_	_	_
3/8	1	_	_	_	_	_	_	_	_	_	_
1/2	1	_	_	_	_	_	_	_	_	_	_
1/2	2	_	_	_	_	_	_	_	_	_	_
1/2	3	_	_	_	_	_	_	_	_	_	_
3/4	2	_	_	_	_	_	_	_	_	_	_
3/4	3	_	_	_	_	_	_	_	_	_	
1	4	HC1044	_	_	_	_	_	_	_	_	
1	5	HC1047	HC1048	HC1048	HC1049	_	_	_	_	_	_
11/4	5	HC1052	HC1053	HC1053	HC1054	_	_	_	_	_	
1½	5	HC1057	HC1058	HC1058	HC1059	_	_	_	_	_	_
1½	6	_	_	_	HC1060	HC1062	HC1063	HC1064	_	_	
2	6	_	_	_	HC1065	HC1067	HC1068	HC1069	_	_	_
2	7	_	_	_	_	_	_	HC1070	HC1071	HC1073	HC1075
2½	7	_	_	_	_	_	_	HC1076	HC1077	HC1079	HC1081
3	7	_	<u> </u>	<u> </u>	<u> </u>	<u> </u>	_	HC1086	HC1087	HC1089	HC1091

Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86. ‡F5 and larger will not be color coded.

4 Conductors

Cord Typ	е	SJ, SJO, SJ	IT, SJTO		S, SO, ST, S	STO				
Cord Size)	#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. [Inches (m		.36" (9.0)	.39" (9.8)	.43" (10.8)	.42" (10.7)	.45" (11.4)	.61" (15.5)	.70" (17.8)	.77" (19.4)	.97" (24.6)
Color		White	Blue	Blue	Blue	Blue	Brown	Yellow	Orchid	Gray‡
NPT	Form	n Catalog Num	nber*							
1/4	1	HC1005	HC1006	HC1006	HC1006	_	_	_	_	_
3/8	1	HC1011	HC1012	HC1012	HC1012	_	_	_	_	_
1/2	1	HC1017	HC1018	HC1018	HC1018	_	_	_	_	_
1/2	2	HC1022	HC1023	HC1023	HC1023	HC1023	HC1024	_	_	_
1/2	3	_	HC1025	HC1025	HC1025	HC1025	HC1026	HC1027	HC1028	_
3/4	2	_	HC1033	HC1033	HC1033	HC1033	HC1034	_	_	_
3/4	3	_	HC1035	HC1035	HC1035	HC1035	HC1036	HC1037	HC1038	_
1	4	_	HC1039	HC1039	HC1039	HC1039	HC1040	HC1041	HC1042	HC1043
1	5	_	_	_	_	_	_	_	_	HC1046
11/4	5	_	_	_	_	_	_	_	_	HC1051
1½	5	_	_	_	_	_	_	_	_	HC1056
1½	6	_	_	_	_	_	_	_	_	_
2	6	_	_	_	_	_	_	_	_	_
2	7	_	_	_	_	_	_	_	_	_
2½	7	_	_	_	_	_	_	_	_	_
3	7	_	_	_	_	_	_	_	_	_

Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86. ‡F5 and larger will not be color coded.

5 Conductors

Cord Typ	ре	S, SO, ST, STO				'	'		
Cord Size		#18	#16	#14	#12	#10	#8	#6	
Approx. Dia. Inches (mm)		.50"	.54"	.70"	.76"	.83"	1.06"	1.18"	
		(12.7)	(13.7)	(17.7)	(19.3)	(21.1)	(26.9)	(30.0)	
Color		Blue	Brown	Yellow	Orchid‡	Orchid‡	Pink‡	‡	
NPT	Forn	n Catalog Num	nber*						
1/2	2	HC1023	HC1024	_	_	_	_	_	
1/2	3	HC1025	HC1026	HC1027	HC1028	HC1028	_	_	
3/4	2	HC1033	HC1034	_	_	_	_	<u> </u>	
3/4	3	HC1035	HC1036	HC1037	HC1038	HC1038	_	_	
1	4	HC1039	HC1040	HC1041	HC1042	HC1042	HC1044	_	
1	5	_	_	_	HC1045	HC1045	HC1047	HC1048	
11⁄4	5	_	_	_	HC1050	HC1050	HC1052	HC1053	
1½	5	_	_	_	HC1055	HC1055	HC1057	HC1058	

Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86. ‡F5 and larger will not be color coded.

4 Conductors

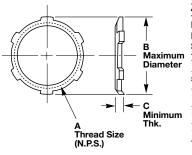
	SJ, SJO, SJ	IT, SJTO		S, SO, ST, S	TO				
	#6	#4	#3	#2	#1	#1/0	#2/0	#3/0	#4/0
	.94" (23.8)	1.08" (27.4)	1.17" (29.7)	1.27" (33.3)	1.44" (36.6)	1.52" (38.6)	1.65" (41.9)	1.77" (45.0)	1.92" (48.8)
	Pink‡	‡	‡	‡	‡	‡	‡	‡	‡
Form	Catalog Num	ıber*							
1	_	_	<u> </u>	<u>—</u>	<u>—</u>				_
1	_	_	_	_	_	_	_	_	_
1	_	_	_	_	_	_	_	_	_
2	_	_	_	_	_	_	_	_	_
3	_	_	_	_	_	_	_	_	_
2	_	_	_	_	_	_	_	_	_
3	_	_		_	_	_	_	_	_
4	HC1044	_	_	_	_	_	_	_	_
5	HC1047	HC1049	HC1049	_	_	_	_	_	_
5	HC1052	HC1054	HC1054	_	_	_	_	_	_
5	HC1057	HC1059	HC1059	_	_	_	_	_	_
6	_	HC1060	HC1060	HC1061	HC1063	HC1064	_	_	_
6	_	HC1064	HC1065	HC1066	HC1068	HC1069	_	_	_
7	_	_	_	_	_	HC1070	HC1071	HC1073	HC1074
7	_	_	_	_	_	HC1076	HC1077	HC1079	HC1080
7	_	<u> </u>	<u> </u>	<u>—</u>	<u>—</u>	HC1086	HC1087	HC1089	HC1090
	Form 1 1 2 3 2 3 4 5 5 6 6 7 7	#6 .94" (23.8) Pink‡ Form Catalog Num 1 — 1 — 2 — 3 — 2 — 3 — 4 HC1044 5 HC1052 5 HC1057 6 — 6 — 7 — 7 —	.94" 1.08" (23.8) (27.4) Pink‡ ‡ Form Catalog Number* 1 — — 1 — — 2 — — 3 — — 2 — — 3 — — 4 HC1044 — 5 HC1047 HC1049 5 HC1052 HC1054 5 HC1057 HC1059 6 — HC1060 6 — HC1064 7 — —	#6 #4 #3 .94" 1.08" 1.17" (23.8) (27.4) (29.7) Pink‡ ‡ ‡ Form Catalog Number* 1 — — — — 1 — — — — 2 — — — — 3 — — — — 2 — — — — 3 — — — — 4 HC1044 — — — 5 HC1052 HC1054 HC1054 5 HC1057 HC1059 HC1059 6 — HC1060 HC1060 6 — HC1064 HC1065 7 — — — —	#6 #4 #3 #2 .94" 1.08" 1.17" 1.27" (23.8) (27.4) (29.7) (33.3) Pink‡ ‡ ‡ Form Catalog Number* 1 — — — — — 1 — — — — — 2 — — — — — 3 — — — — — 2 — — — — — 3 — — — — — 4 HC1044 — — — — 5 HC1052 HC1054 HC1054 — 5 HC1057 HC1059 HC1059 — 6 — HC1060 HC1060 HC1061 6 — HC1064 HC1065 HC1066 7 — — — — —	#6 #4 #3 #2 #1 .94" 1.08" 1.17" 1.27" 1.44" (23.8) (27.4) (29.7) (33.3) (36.6) Pink‡ ‡ ‡ ‡ Form Catalog Number* 1 — — — — — — — — — — — — — — — — — —	#6 #4 #3 #2 #1 #1/0 .94" 1.08" 1.17" 1.27" 1.44" 1.52" (23.8) (27.4) (29.7) (33.3) (36.6) (38.6) Pink‡ ‡ ‡ ‡ ‡ Form Catalog Number* 1 — — — — — — — — — — — — — — — — — —	#6 #4 #3 #2 #1 #1/0 #2/0 .94" 1.08" 1.17" 1.27" 1.44" 1.52" 1.65" (23.8) (27.4) (29.7) (33.3) (36.6) (38.6) (41.9) Pink‡ ‡ ‡ ‡ ‡ ‡ ‡ Form Catalog Number* 1 — — — — — — — — — — — — — — — — — —	#6 #4 #3 #2 #1 #1/0 #2/0 #3/0 94" 1.08" 1.17" 1.27" 1.44" 1.52" 1.65" 1.77" (23.8) (27.4) (29.7) (33.3) (36.6) (38.6) (41.9) (45.0) Pink‡ ‡ ‡ ‡ ‡ ‡ ‡ ‡ Form Catalog Number* 1 — — — — — — — — — — — — — — — — — —

Note: *Must add prefix, see Note 1; suffix, see Note 2, below. ‡F5 and larger will not be color coded.

Note:

- **1.** Add the proper prefix to the HC number to identify the type of connector desired:
 - SHC = Straight Hubbell Connector
 - NHC = 90° Hubbell Connector
 - FHC = Female Hubbell Connector
 - VHC = 45° Hubbell Connector
- ${\bf 2.}\ {\rm Add}\ {\rm the}\ {\rm proper}\ {\rm suffix}\ {\rm to}\ {\rm identify}\ {\rm material}\ {\rm desired};$
 - Aluminum = No suffix
 - Zinc-Plated Steel = ZP
 - Corrosion Resistant Nylon = CR
 - Stainless Steel = SS

- 3. This chart is a general guide to assist in the selection of Hubbell Cord Connectors for various cord sizes. The Hubbell Cord Connector catalog numbers selected, have been inserted into spaces which in our judgment represent the best cord connector which will fit the listed cord size. The diameters of the cords are approximate and may vary depending on the manufacturer. It is suggested that the appropriate cord manufacturer's dimension chart be consulted for exact dimensions.
- **4.** Cable jacket may have to be stripped to allow conductors to pass through connector body.



NPT Thread Locknuts

Zinc-Plated Steel									
NPT Hub Size	A Inside Diameter Inches	B Outside Inches	Dia. (mm)	C Thickne Inches	ess (mm)	Steel Catalog Number			
1/2	1/2"-14	1.14"	(29.0)	.09"	(2.3)	00322001LPK50			
3/4	3/4"-14	1.43"	(36.3)	.11"	(2.8)	00322002LPK50			
1	1"-11½	1.77"	(45.0)	.13"	(3.3)	00322003LPK50			
11/4	11/4"-111/2	2.28"	(57.9)	.13"	(3.3)	00322004LPK50			
1½	1½"-11½	2.60"	(66.0)	.13"	(3.3)	00322005LPK50			

Metal Clad Sealing O-Rings - Sizes ½ - 4

Nylon PG Thread Locknuts

1.81"

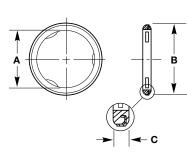
2.24"

(46.0)

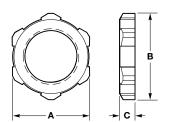
(56.9)

2.00"

2.50"



NPT Hub	A Inside D	A Inside Diameter		B Outside Dia.		ess	
Size	Inches	(mm)	Inches	(mm)	Inches	(mm)	Catalog Number
1/2	.80"	(20.3)	1.08"	(27.4)	.16"	(3.2)	20509001
3/4	1.00"	(25.4)	1.34"	(34.0)	.16"	(3.2)	20509002
1	1.25"	(31.6)	1.63"	(41.4)	.16"	(3.2)	20509003
11⁄4	1.61"	(40.9)	2.00"	(50.8)	.16"	(3.2)	20509004
1½	1.84"	(46.7)	2.36"	(59.9)	.16"	(3.2)	20509005
2	2.31"	(58.7)	2.83"	(71.9)	.16"	(3.2)	20509006
Chrome	Plated Stee	el with Neo	prene Ring				
2½	2.91"	(73.9)	3.44"	(87.4)	.24"	(6.1)	20509007
3	3.52"	(89.4)	4.08"	(103.6)	.24"	(6.1)	20509008



PG Thread Inches Inches (mm) Size (mm) Inches (mm) Catalog Number PG7 LNP7BPK100 .75" .80" .22" (19.1)(20.3)(5.6)PG9 .86" .91" .22" LNP9BPK100 (21.8)(23.2)(5.6)PG11 .94" LNP11BPK100 (23.9)1.03" (26.2).22" (5.6)PG13.5 LNP13BPK100 1.06" 1.14" .24" (6.1)(26.9)(29.0)PG16 1.18" (30.0)1.30" (33.0).25" (6.1)LNP16BPK100 PG21 1.41" (35.8).25" LNP21BPK100 1.54" (39.1)(6.1)

.25"

.25"

(6.1)

(6.1)

(50.8)

(63.5)

Nylon Mo	Nylon Metric Thread Locknuts										
PG Thread Size	A Inches	(mm)	B Inches	(mm)	C Inches	(mm)	Catalog Number				
M12	.75"	(19.1)	.82"	(20.8)	.22"	(5.6)	LNM12BPK100				
M16	.87"	(22.09)	.98"	(25.0)	.22"	(5.6)	LNM16BPK100				
M20	1.06"	(27.0)	1.18"	(30.0)	.25"	(6.4)	LNM20BPK100				
M25	1.38"	(35.1)	1.54"	(39.1)	.28"	(7.1)	LNM25BPK100				
M32	1.61"	(40.9)	1.80"	(45.7)	.28"	(7.1)	LNM32BPK100				
M40	1.97"	(50.0)	2.18"	(55.4)	.28"	(7.1)	LNM40BPK100				

Dimensions shown are approximate and are subject to change without notice.

LNP29BPK25

LNP36BPK25

PG29

PG36

Hubbell Juniors®

Material	Operating Temperature Range	
Nylon (connectors and GOTCHA® rings) Neoprene (bushings)	-40°F to +225°F (-40°C to +107°C) -30°F to +240°F (-34°C to +115°C)	

Due to the limiting factors of nylon and neoprene, any complete liquidtight Hubbell Junior will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).

Snap-In continuously performs -40°F to +225°F (-40°C to +107°C).

Flammability

Hubbell Juniors have a UL 94X-2 rating.

Certifications

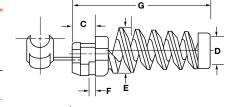
Product	Agency
Liquidtight and Liquidtight with Spiral	UL Listed.
	CSA Certified.
Snap-In	UL Recognized.
	CSA Certified.

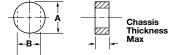
Knockout Holes

NPT	Knockout H Recommer Min. to Max	nded
Hub Size	inches	(mm)
1/4	.54"57"	(13.7-14.5)
3/8	.67"70"	(17.0-17.8)
1/2	.86"91"	(21.8-23.1)

Snap-In

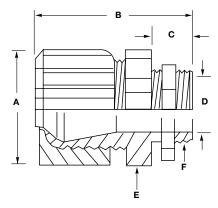
Diameter	For Chassis Thickness	Required Hole Size			ensional cifications			
Range	(Max.)	A	B	C	D	E	F	G
Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
.22"27"	.10"	.50"	.45"	.28"	.28"	.54"	.12"	1.84"
(5.6-6.9)	(2.5)	(12.7)	(11.4)	(7.1)	(7.1)	(13.7)	(3.0)	(44.2)
.28"32"	.10"	.50"	.47"	.28"	.33"	.59"	.12"	1.84"
(7.1-8.1)	(2.5)	(12.7)	(11.9)	(7.1)	(8.4)	(15.0)	(3.0)	(44.2)
.30"36"	.13"	.63"	.55"	.36"	.37"	.65"	.14"	2.18"
(7.6-9.1)	(3.3)	(16.0)	(14.0)	(9.1)	(9.4)	(16.5)	(3.6)	(55.4)
.32"43"	.13"	.75"	.66"	.45"	.44"	.75"	.14"	2.60"
(8.1-10.9)	(3.3)	(19.0)	(16.8)	(11.4)	(11.2)	(19.1)	(3.6)	(66.0)





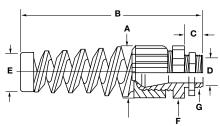
Liquidtight

				D	E		
F NPT Inches	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	Throat Dia. Inches (mm)	Across Corners Inches (mm)	Across Flats Inches (mm)	
1/4-18	.65" (16.5)	1.30" (33.0)	.40" (10.2)	.29" (7.4)	.65" (16.5)	.60" (15.2)	
³ / ₈ -18	.81" (20.6)	1.44" (36.6)	.41" (10.4)	.36" (9.1)	.81" (20.6)	.75" (19.1)	
1/2-14	1.00" (25.4)	1.56" (39.6)	.46" (11.7)	.45" (11.4)	.99" (25.1)	.92" (23.4)	



Liquidtight with Spiral

				D		F	
G NPT Inches	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	Throat Dia. Inches (mm)	E Inches (mm)	Across Corners Inches (mm)	Across Flats Inches (mm)
1/4-18	.65"	2.55"	.40"	.29"	.27"	.65"	.60"
	(16.5)	(64.8)	(10.2)	(7.4)	(6.9)	(16.5)	(15.2)
³ _{/8} -18	.81"	3.10"	.41"	.36"	.35"	.81"	.75"
	(20.6)	(78.7)	(10.4)	(9.1)	(8.9)	(20.6)	(19.1)
1/2-14	1.00"	3.72"	.46"	.45"	.45"	.99"	.92"
	(25.4)	(94.5)	(11.7)	(11.4)	(11.4)	(25.1)	(23.4)



Dimensions shown are approximate and are subject to change without notice.

Features and Benefits

PolyTuff® I and PolyTuff® II Non-Metallic Liquidtight Conduit

All non-metallic construction ends fatigue and separation problems. They can be cut cleanly with a knife or PVC cutter so there are no jagged metal edges.





PolyTuff® I Conduit, Gray

- Rigid PVC core bonded to flexible PVC jacket
- Approved for outdoor use and direct burial
- UL Listed and CSA Certified

3/8 (12)

1/2 (16)

3/4 (21)

1 (27)

11/4 (35)

1½ (41)

2 (53)



PolyTuff® II Tubing, Black

- PVC core with corrugated walls bonded to PVC jacket
- Handles twists, turns, bends, switchbacks and straightaways with ease

G1150 G1200

• UL Recognized and CSA Certified







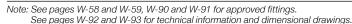
PolyTuff® I Conduit Trade Size (metric designator)

		IP66
		SUITABILIT

50 (15.2)

50 (15.2)







IP66 SUITABILITY





Trade Size (metric designator)	Feet (m)	Catalog Number
1/4 (10)	100 (30.5)	B2025
³½ (12)	100 (30.5) 1200 (365.8)	B2038 B2038R1200
½ (16)	100 (30.5) 1000 (304.8)	B2050 B2050R1000
% (21)	100 (30.5) 800 (243.8)	B2075 B2075R800
1 (27)	100 (30.5) 500 (152.4)	B2100 B2100R500
1¼ (35)	100 (30.5)	B2125
1½ (41)	50 (15.2)	B2150
2 (53)	50 (15.2)	B2200

Note: See page W-90 for approved fittings.

See pages W-92 and W-93 for technical information and dimensional drawings.

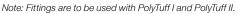


PolyTuff® Non-Metallic Liquidtight Fittings

UL Listed to Type 4, 4X, 12 and 13

Straight with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
1/4 (10)	F2025	
³/ ₈ (12)	P038NBKA	P038NGYA
½ (16)	P050NBKA	P050NGYA
³ / ₄ (21)	P075NBKA	P075NGYA
1 (27)	P100NBKA	P100NGYA
1¼ (35)	P125NBK	P125NGY
1½ (41)	P150NBK	P150NGY
2 (53)	P200NBK	P200NGY



See pages W-94 and W-95 for technical information and dimensional drawings.



P075NBKA



P075NGYA

SwivelLok® Multi-Position with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
³ / ₈ (12)	PS0389NBK	PS0389NGY
1/2 (16)	PS0509NBK	PS0509NGY
³ / ₄ (21)	PS0759NBK	PS0759NGY
1 (27)	PS1009NBK	PS1009NGY

Note: Fittings are to be used with PolyTuff I and PolyTuff II.

See pages W-94 and W-95 for technical information and dimensional drawings.



PS0509NGY SwivelLok® Multi-Position

Fixed 90°Fittings for Non-Metallic Conduit

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
³ / ₈ (12)	P0389NBK	P0389NGY
1/2 (16)	P0509NBK	P0509NGY
³ / ₄ (21)	P0759NBK	P0759NGY
1 (27)	P1009NBK	P1009NGY
1¼ (35)	P1259NBK	P1259NGY

Note: Fittings are to be used with PolyTuff I and PolyTuff II.

See pages W-94 and W-95 for technical information and dimensional drawings.



P0759NGY

SwivelLok® Flexible Conduit Kit

Trade Size (metric designator)	Fitting and Conduit	Catalog Number
1/2 (16)	2 PS0509NGY, 6' G1050	PS05GYKIT
³ / ₄ (21)	2 PS0759NGY, 6' G1075	PS07GYKIT

Note: See pages W-94 and W-95 for technical information and dimensional drawings.



PS05GYKIT

^{%&}quot; Liquidtight conduit fitting have ½ NPT male threads.

^{%&}quot; Liquidtight conduit fitting have ½ NPT male threads.

^{3/8&}quot; Liquidtight conduit fitting have 1/2 NPT male threads.



Metallic Liquidtight Conduit Fittings





H0751

Straight Conduit Fitting

Trade Size	Insulated	Non-Insulated
(metric designator)	Insulated	Non-insulated
³/ ₈ (12)	H0381	H038
1/2 (16)	H0501	H050
³ / ₄ (21)	H0751	H075
1 (27)	H1001	H100
1¼ (35)	H1251	H125
1½ (41)	H1501	H150
2 (53)	H2001	H200
2½ (63)	H2501	H250
3 (78)	H3001	H300
3½ (91)	H3501	H350
4 (103)	H4001	H400

Note: ½" Liquidtight conduit fitting have ½ NPT male threads.

For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.

See page W-96 for technical information.



45° Conduit Fitting

Trade Size (metric designator)	Insulated	Non-Insulated	
(metric designator)	Insulated	Non-insulated	
³ / ₈ (12)	H03841	H0384	
1/2 (16)	H05041	H0504	
3/4 (21)	H07541	H0754	
1 (27)	H10041	H1004	
11/4 (35)	H12541	H1254	
1½ (41)	H15041	H1504	
2 (53)	H20041	H2004	

Note: ½" Liquidtight conduit fitting have ½ NPT male threads.

For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.

See page W-96 for technical information.



H07591

90° Conduit Fitting

Trade Size		
(metric designator)	Insulated	Non-Insulated
³ / ₈ (12)	H03891	H0389
1/2 (16)	H05091	H0509
³ / ₄ (21)	H07591	H0759
1 (27)	H10091	H1009
11/4 (35)	H12591	H1259
1½ (41)	H15091	H1509
2 (53)	H20091	H2009
21/2 (63)	H25091	H2509
3 (78)	H30091	H3009
4 (103)	H40091	H4009

Note: 1/s" Liquidtight conduit fitting have 1/2 NPT male threads.

For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.

See page W-96 for technical information.

PolyTuff® I Conduit

Operating Temperature Range	
Wet environment Oil environment Dry environment	0°F to +140°F (-18°C to +60°C). 0°F to +158°F (-18°C to +70°C). 0°F to +176°F (-18°C to +80°C).
Certifications	
UL Listed CSA Certified	UL Standard 1660. Sunlight resistant approved for outdoor use, direct burial. Meets requirements of NEC.
Voltage Rating	
Maximum	600V.
Material	
Conduit	Co-extruded rigid and flexible PVC.

PolyTuff® II Tubing

0°F to +140°F (-18°C to +60°C).
Same as wire insulation rating.
Co-extruded rigid and flexible PVC.

PolyTuff® I Conduit

Trade Size (metric designator)	Conduit ID/OI	O (mm)	Bend Ra Inches	dius (mm)	
³ / ₈ (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)	
1/2 (16)	.63"/.83"	(16.1/21.1)	3.00"	(76.2)	
3/4 (21)	.83"/1.04"	(21.1/26.4)	4.00"	(101.6)	
1 (27)	1.05"/1.30"	(26.0/33.1)	5.00"	(217.0)	
11/4 (35)	1.40"/1.65"	(35.4/41.8)	6.30"	(158.8)	
1½ (41)	1.59"/1.88"	(40.3/47.8)	7.50"	(190.5)	
2 (53)	2.03"/2.36"	(51.6/59.9)	10.00"	(254.0)	

PolyTuff® II Tubing

Trade Size (metric designator)	Conduit ID/OI Inches	O (mm)	Bend Ra Inches	dius (mm)	
1/4 (10)	.36"/.57"	(9.3/14.5)	1.50"	(38.1)	
³⁄ ₈ (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)	
1/2 (16)	.63"/.83"	(16.1/21.1)	2.00"	(50.8)	
3/4 (21)	.83"/1.04"	(21.1/26.4)	3.00"	(76.2)	
1 (27)	1.05"/1.30"	(26.0/33.1)	3.00"	(76.2)	
1¼ (35)	1.40"/1.65"	(35.4/41.8)	5.00"	(127.0)	
1½ (41)	1.59"/1.88"	(40.3/47.8)	5.00"	(127.0)	
2 (53)	2.03"/2.36"	(51.6/59.9)	5.00"	(127.0)	

PolyTuff® I and II Conduit/Tubing; PVC Chemical Resistance

Acetate Solvents Acetic Acid Acetic Acid Acetic Acid (Glacial) Acetone Acrylontrile Alcohols (Aliphatic) Aluminum Chloride Aluminum Sulfate (Alums) Ammonia (Anhydrous Liquids) Ammonia (Aqueous) Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B ASTM #1 Oil	D B C D A C A A D A A D D D D C D	D C D D B C A A D D D D D	Coconut Oil Corn Oil Cottonseed Oil Creosote Cresol Crysylic Acid Cyclohexane DDT Weed Killer Dibutyl Phthalate Diesel Oils Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		C A C D C D B A D C B	D B D D C C C D D	Lubricating Oils Magnesium Chloride Magnesium Hydroxide Magnesium Sulfate Malathion 50 in Aromatic Malic Acid Methyl Acetate Methyl Alcohol Methyl Bromide Methyl Ethyl Ketone	S	A A A D A D C D	A A A D A D C D
Acetic Acid (Glacial) Acetone Acrylontrile Alcohols (Aliphatic) Aluminum Chloride Aluminum Sulfate (Alums) Ammonia (Anhydrous Liquids) Ammonia (Aqueous) Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Ammonium Hydroxide Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	C D A C C A A A A D D D D C C	D D B C A A D A C A D D D	Cottonseed Oil Creosote Cresol Crysylic Acid Cyclohexane DDT Weed Killer Dibutyl Phthalate Diesel Oils Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		C D C D B A D C	D D D C C D D	Magnesium Hydroxide Magnesium Sulfate Malathion 50 in Aromatic Malic Acid Methyl Acetate Methyl Alcohol Methyl Bromide	S	A A D A D C	A A D A D C D
Acetone Acrylontrile Alcohols (Aliphatic) Aluminum Chloride Aluminum Sulfate (Alums) Ammonia (Anhydrous Liquids) Ammonia (Aqueous) Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	D A C C A A A A A D D D D C C	D B C A A D A C A D D D	Creosote Cresol Crysylic Acid Cyclohexane DDT Weed Killer Dibutyl Phthalate Diesel Oils Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		D C D B A D C	D D C C D D	Magnesium Sulfate Malathion 50 in Aromatic Malic Acid Methyl Acetate Methyl Alcohol Methyl Bromide	S	A D A D C D	A D A D C D
Acrylontrile Alcohols (Aliphatic) Aluminum Chloride Aluminum Sulfate (Alums) Ammonia (Anhydrous Liquids) Ammonia (Aqueous) Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	A C A A A A D D D D C C	B C A A D A C A D D	Cresol Crysylic Acid Cyclohexane DDT Weed Killer Dibutyl Phthalate Diesel Oils Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		C D B A D C	D D C C D	Malathion 50 in Aromatic Malic Acid Methyl Acetate Methyl Alcohol Methyl Bromide	S	D A D C D	D A D C D
Alcohols (Aliphatic) Aluminum Chloride Aluminum Sulfate (Alums) Ammonia (Anhydrous Liquids) Ammonia (Aqueous) Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	A A A A D D D D C C	C A A D A D D	Crysylic Acid Cyclohexane DDT Weed Killer Dibutyl Phthalate Diesel Oils Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		B A D C	C C D	Malathion 50 in Aromatic Malic Acid Methyl Acetate Methyl Alcohol Methyl Bromide	S	D C D	A D C D
Alcohols (Aliphatic) Aluminum Chloride Aluminum Sulfate (Alums) Ammonia (Anhydrous Liquids) Ammonia (Aqueous) Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	A A D A A A D D D D	A A D A C A D D	Cyclohexane DDT Weed Killer Dibutyl Phthalate Diesel Oils Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		B A D C	C C D	Methyl Acetate Methyl Alcohol Methyl Bromide		D C D	D C D
Aluminum Sulfate (Alums) Ammonia (Anhydrous Liquids) Ammonia (Aqueous) Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	A D A A D D D D C	A D A D D	DDT Weed Killer Dibutyl Phthalate Diesel Oils Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		A D C	C D D	Methyl Alcohol Methyl Bromide		C D	C D
Ammonia (Anhydrous Liquids) Ammonia (Aqueous) Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	A A A D D D C	D A C A D D	DDT Weed Killer Dibutyl Phthalate Diesel Oils Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		A D C	C D D	Methyl Alcohol Methyl Bromide		D	D
Ammonia (Anhydrous Liquids) Ammonia (Aqueous) Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	A A A D D D C	D A C A D D	Dibutyl Phthalate Diesel Oils Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		D C	D D	Methyl Bromide		D	D
Ammonia (Aqueous) Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	A A A D D D D	A C A A D D	Diesel Oils Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		С	D				
Ammoniated Latex Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	A A D D D D	C A A D D	Diethylene Glycol Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate							
Ammonium Chloride Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	A D D D D C	A A D D	Diethyl Ether Di-isodecyl Phthalate Dioctyl Phthalate		_	С	Methylene Chloride		D	D
Ammonium Hydroxide Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	A D D D D	A D D	Di-isodecyl Phthalate Dioctyl Phthalate		Α	C	Mineral Oil			_
Amyl Acetate Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	D D D	D D	Dioctyl Phthalate		D	D	Monochlorobenezene		Α	Α
Aniline Oils Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	D D D	D			D	D	Muriatic Acid (see Hydroch	oloric Ac		, ,
Aromatic Hydrocarbons Asphalt ASTM Fuel A ASTM Fuel B	D D C		Dow General Weed Killer (Ph	onol)	D	D	Naphtha	IIOHO AC	C	D
Asphalt ASTM Fuel A ASTM Fuel B	D C	D	Dow General Weed Killer (F		В	C	Naphthalene		D	D
ASTM Fuel A ASTM Fuel B	С	D	Ethyl Alcohol	120)	С	C	Nitric Acid	10%	A	В
ASTM Fuel B			Ethylene Dichloride		D	D	Nitric Acid	35%	A	С
		C D			В	С	Nitric Acid	70%	D	D
ASTM #1 OII			Ethylene Glycol					70%	_	
	В	С	Ferric Chloride		A	A	Oleic Acid		A	С
ASTM #3 Oil	C	D	Ferric Sulfate		A	A	Oleum		D	D
Barium Chloride	Α	A	Ferrous Chloride		A	A	Oxalic Acid		Α	Α
Barium Sulfide	Α	A	Ferrous Sulfate		Α	A	Pentachlorophenol in Oil		В	С
Barium Hydroxide	A	Α	Formaldehyde		D	D	<u>Pentane</u>		С	D
Benzene (Benzol)	D	D	Fuel Oil		В	С	Perchloroethylene		В	С
Benzine (Petroleum Ether)	С	С	Furfural		С	С	Petroleum Ether		С	С
Black Liquor	Α	Α	Gallic Acid		Α	Α	Phenol		Α	Α
Bordeaux Mixture	Α	Α	Gasoline (Hi Test)		С	D	Phosphoric Acid	10%	Α	Α
Boric Acid	Α	Α	Glycerine		Α	Α	Pitch	50%	Α	В
Butyl Acetate	D	D	Grease		Α	С	Potassium Hydroxide		С	D
Butyl Alcohol	В	С	Green Sulfate Liquor		Α	Α	Sodium Cyanide		Α	Α
Calcium Hydroxide	Α	Α	Heptachlor in Petroleum Sc	olvents	s A	С	Stoddard Solvent		D	D
Calcium Hypochlorite	Α	Α	Heptane		С	D	Styrene		D	D
Carbolic Acid (Phenol)	В	С	Hexane		С	D	Sulfur Dioxide (liquid)		D	D
Carbon Dioxide	Α	Α	Hydrobromic Acid		Α	Α	Sulfuric Acid	50%	Α	В
Carbon Disulfide	D	D	Hydrochloric Acid	10%	Α	Α	Sulfuric Acid	98%	D	D
Carbon Tetrachloride	D	D	Hydrochloric Acid	40%	С	С	Sulfurous Acid		В	С
Carbonic Acid	Α	Α		70%	D	D	Tall Oil		D	D
Casein	Α	C	Hydrofluorosilicic Acid		Ā	A	Tannic Acid		Ā	A
Caustic Soda	Α	В		10%	Α	Α	Toluene		D	D
Chlorine Gas (wet)	D	D	Hydrogen Peroxide		A	В	Trichlorethylene		D	D
Chlorine Gas (dry)	Ď	D	Iso-Octane		C	C	Triethanol Amine		C	D
Chlorine (water solution)	C	D	Isopropyl Acetate		D	D	Tricresyl Phosphate (Skyd	drol)	D	D
Chlorobenzene	D	D	Isopropyl Acid		В	C	Turpentine	Ji (1)	C	D
Chlorinated Hydrocarbons	D	D	Jet Fuels (JP-3, and 5)		С	D	Vinegar		A	В
Chromic Acid	В	C	Kerosene		C	С	Vinegar Vinyl Chloride		D	D
		A			D	D	-		_	A
Citric Acid Coal Tar	A D	A D	Ketones		A	A	Water White Liquer		A A	A
	U	D	Linseed Oil		А	А	White Liquor			
Note: *Conc. = Concentration.		,	, , , , , , , , , , , , , , , , , , , ,				Xylene Zinc Chloride		D A	D A
			plutions unless otherwise specified mation supplied by the raw materia.	1.)						

Use as a general guide only – samples should be tested by user under actual conditions.

Rating Code

A-Excellent service

No harmful effect to reduce service life. Suitable for continuous service.

B-Good service life.

Moderate to minor effect. Good for intermittent service. Generally suitable for continuous service.

C-Fair or limited service.

Depends on operating conditions. Generally suitable for intermittent service. Not recommended for continuous service.

D-Unsatisfactory service.

Not recommended.

PolyTuff® Fittings

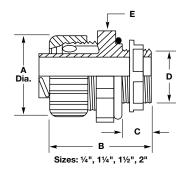
Operating Temperature*	
Nylon (Body, Nut, Gripping Ring and Locknut) Neoprene (Sealing Ring)	-40°F to +225°F (-40°C to +107°C). -30°F to +240°F (-34°C to +116°C).
Flammability	
Fire Gas Toxicity Product Testing	Nylon PolyTuff Fittings have a UL 94X-2 rating.
Certifications	
UL Listed CSA Certified	UL50 Type 4X, 12 and 13. PolyTuff I Fittings, PolyTuff II Fittings.

Liquidtiaht Fittings

Liquidiight Fittings		
Operating Temperature**		
Steel/Malleable Iron (Nut, Body, Ferrule) Nylon (Gland Ring)	-60°F to +1000°F (-51°C to +538°C). -40°F to +225°F (-40°C to +107°C).	
Hazardous Locations - NEC Reference		
Class I, Div. 2 - 501-10(A)(3)B Class II, Div. 1 - 502-10(A)(2) Class II, Div. 2 - 502-10(A)(3) Class III, Div. 1 - 503-10(A)(2) Class III, Div. 2 - 503-10(B)		
Certifications		
UL Listed to UL 514B CSA Certified		

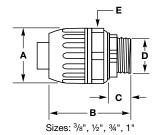
Note: *Due to the limiting factors of nylon and neoprene, PolyTuff Fittings will continuously perform in the range –30°F to +225°F (–34°C to +107°C).

**Due to the limiting factors of nylon, metallic liquidtight flexible conduit fittings will continuously perform in the range of –40°F to +225°F (–40°C to +107°C).



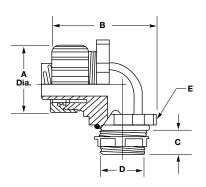
Straight with Male Non-Metallic Liquidtight Fittings

Trade				D		E
Size (md**)	Α	В	С	Throat Dia.	Across Corners	Across Flats
1/ ₄ (10)	.93" (23.6)	1.45" (36.8)	.39" (9.9)	.32" (8.1)		.86" (Dia.) (21.8)
³ / ₈ (12)	1.14"	1.63"	.57"	.42"	1.41"	1.30"
	(29.0)	(41.4)	(14.5)	(10.7)	(35.8)	(33.0)
½	1.30"	2.14"	.57"	.55"	1.41"	1.30"
(16)	(33.0)	(54.4)	(14.5)	(14.0)	(35.8)	(33.0)
³ / ₄ (21)	1.53"	2.22"	.58"	.74"	1.85"	1.53"
	(38.9)	(56.4)	(14.7)	(18.8)	(47.0)	(38.9)
1 (27)	1.80"	2.32"	.72"	.96"	1.94"	1.80"
	(45.7)	(58.9)	(18.3)	(24.4)	(49.3)	(45.7)
1¼	2.20"	2.15"	.74"	1.30"	2.38"	2.18"
(35)	(55.9)	(54.6)	(18.8)	(33.0)	(60.5)	(55.4)
1½	2.49"	2.35"	.76"	1.46"	2.63"	2.43"
(41)	(63.2)	(59.7)	(19.3)	(37.1)	(66.8)	(61.7)
2 (53)	3.05"	2.51"	.79"	1.90"	3.13"	2.93"
	(77.4)	(63.6)	(20.1)	(48.3)	(79.5)	(74.4)



90° with Male Non-Metallic Liquidtight Fittings

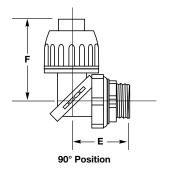
Trade				D		E	
Size (md**)	Α	В	С	Throat Dia.	Across Corners	Across Flats	
1/4 (10)	.93" (23.6)	1.88" (47.8)	.39" (9.9)	.32" (8.1)		.86"(Dia.) (21.8)	
1¼ (35)	2.21" (56.1)	3.57" (90.7)	.74" (18.9)	1.30" (33.0)	2.38" (60.5)	2.18" (55.4)	

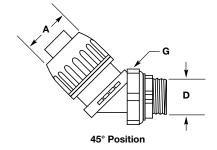


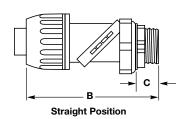
SwivelLok® Multi-Position Liquidtight Fittings

Trade								G
Size (md**)	А	В	С	D	E	F	Across Corners	Across Flats
³ / ₈ (12)	1.30"	3.27"	.57"	.55"	1.43"	2.00"	1.41"	1.30"
	(33.0)	(83.1)	(14.5)	(14.0)	(36.3)	(50.8)	(35.8)	(33.0)
½	1.30"	3.27"	.57"	.55"	1.43"	2.00"	1.41"	1.30"
(16)	(33.0)	(83.1)	(14.5)	(14.0)	(36.3)	(50.8)	(35.8)	(33.0)
³ / ₄ (21)	1.53"	3.66"	.58"	.74"	1.59"	2.23"	1.65"	1.53"
	(38.9)	(93.0)	(15.7)	(18.8)	(40.4)	(56.6)	(41.9)	(38.9)
1	1.80"	4.00"	.72"	.96"	1.84"	2.30"	1.94"	1.80"
(27)	(45.7)	(101.6)	(18.3)	(24.4)	(46.7)	(58.4)	(49.3)	(45.7)

Note: *A/C = Across Corners, A/F = Across Flats.
**md = metric designator.

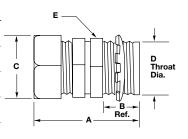






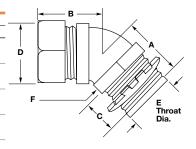
Straight with Male Metallic Metal Fitting

Trade Size	Α			С	D		E
(md**)	Ref.	В	A/C*	A/F*	Throat Dia.	A/C*	A/F*
3/8	1.43"	.59"	1.20"	1.06"	.61"	1.07"	.93"
(12)	(36.3)	(15.0)	(30.0)	(26.9)	(15.5)	(27.2)	(23.6)
1/2	1.43"	.59"	1.34"	1.19"	.61"	1.22"	1.06"
(16)	(36.3)	(15.0)	(34.0)	(30.2)	(15.5)	(31.0)	(26.9)
3/4	1.56"	.59"	1.55"	1.37"	.84"	1.43"	1.25"
(21)	(39.6)	(15.0)	(39.0)	(34.8)	(21.3)	(36.3)	(31.8)
1	1.68"	.66"	1.95"	1.69"	1.06"	1.73"	1.56"
(27)	(42.7)	(16.8)	(50.0)	(42.9)	(26.9)	(43.9)	(39.6)
11/4	2.03"	.63"	2.39"	2.06"	1.37"	2.36"	2.08"
(35)	(51.6)	(16.8)	(61.0)	(52.3)	(34.8)	(59.9)	(52.8)
1½	2.21"	.63"	2.72"	2.38"	1.53"	2.79"	2.48"
(41)	(56.1)	(16.8)	(69.0)	(60.5)	(38.9)	(70.9)	(63.0)
2	2.28"	.69"	3.08"	2.87"	2.06"	3.32"	2.90"
(53)	(57.9)	(17.5)	(78.0)	(72.9)	(52.3)	(84.3)	(73.7)
21/2	3.56"	1.06"	3.92"	3.62"	2.42"	3.85"	3.60"
(63)	(90.4)	(26.9)	(100.0)	(91.9)	(61.5)	(97.8)	(91.4)
3	3.81"	1.06"	4.70"	4.31"	3.01"	4.65"	4.33"
(78)	(96.8)	(26.9)	(119.0)	(109.5)	(76.5)	(118.1)	(110.0)
3½	3.81"	1.06"	5.29"	4.81"	3.49"	5.18"	4.82"
(91)	(96.8)	(26.9)	(134.0)	(122.2)	(88.6)	(131.6)	(122.4)
4	3.81"	1.06"	5.75"	5.31"	3.96"	5.75"	5.39"
(103)	(96.8)	(26.9)	(146.0)	(134.9)	(100.6)	(146.1)	(136.9)



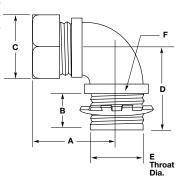
45° with Male Metallic Metal Fitting

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Trade Size	Α	В	С		D	E		F
(md**)				A/C*	A/F*	Throat Dia.	A/C*	A/F*
3/8	1.19"	1.28"	.59"	1.20"	1.06"	.60"	1.16"	1.02"
(12)	(30.2)	(32.5)	(15.0)	(30.5)	(26.9)	(15.2)	(29.5)	(25.9)
1/2	1.19"	1.28"	.59"	1.34"	1.19"	.61"	1.21"	1.06"
(16)	(30.2)	(32.5)	(15.0)	(34.0)	(30.2)	(15.2)	(30.7)	(26.9)
3/4	1.19"	1.43"	.59"	1.55"	1.45"	.84"	1.50"	1.32"
(21)	(30.2)	(36.3)	(15.0)	(39.4)	(36.8)	(21.3)	(38.1)	(33.5)
1	1.38"	1.53"	.66"	1.95"	1.69"	1.05"	1.82"	1.59"
(27)	(35.1)	(38.9)	(16.8)	(49.5)	(42.9)	(26.7)	(46.2)	(40.4)
11/4	1.42"	1.69"	.63"	2.39"	2.06"	1.37"	2.32"	2.03"
(35)	(36.1)	(42.9)	(16.0)	(60.7)	(52.3)	(34.8)	(58.9)	(5.16)
11/2	1.66"	2.00"	.66"	2.72"	2.38"	1.60"	2.62"	2.29"
(41)	(42.2)	(50.8)	(16.8)	(69.1)	(60.5)	(40.6)	(66.5)	(58.2)
2	1.69"	2.25"	.66"	3.08"	2.88"	2.05"	3.21"	2.80"
(53)	(42.9)	(57.2)	(16.8)	(78.2)	(73.2)	(52.1)	(81.5)	(71.1)



90° with Male Metallic Metal Fitting

Trade Size	Α	В		С	D	E		F
(md**)			A/C*	A/F*	Ref.	Throat Dia.	A/C*	A/F*
3/8	1.31"	.59"	1.20"	1.06"	1.44"	.60"	1.13"	.99"
(12)	(33.3)	(15.0)	(30.5)	(26.9)	(36.6)	(15.2)	(29.0)	(25.1)
1/2	1.31"	.59"	1.34"	1.12"	1.44"	.61"	1.12"	1.00"
(16)	(33.3)	(15.0)	(34.0)	(28.4)	(36.6)	(15.5)	(28.0)	(25.4)
3/4	1.44"	.59"	1.55"	1.45"	1.63"	.83"	1.48"	1.29"
(21)	(36.6)	(15.0)	(39.4)	(36.8)	(41.4)	(21.1)	(38.0)	(32.8)
1	1.78"	.59"	1.95"	1.60"	2.19"	1.05"	1.80"	1.57"
(27)	(45.2)	(15.0)	(49.5)	(40.6)	(55.6)	(26.7)	(46.0)	(39.9)
11/4	1.97"	.63"	2.39"	2.06"	2.50"	1.36"	2.32"	2.02"
(35)	(50.0)	(16.0)	(60.7)	(52.3)	(63.5)	(34.5)	(59.0)	(51.3)
11/2	2.19"	.63"	2.72"	2.38"	2.69"	1.61"	2.58"	2.25"
(41)	(55.6)	(16.0)	(69.1)	(60.5)	(68.3)	(40.9)	(66.0)	(57.2)
2"	2.53"	.66"	3.08"	2.87"	3.25"	2.05"	3.14"	2.75"
(53)	(64.3)	(16.8)	(78.2)	(72.9)	(82.6)	(52.1)	(80.0)	(69.9)
21/2	3.44"	1.00"	3.92"	3.63"	4.25"	2.42"	3.78"	3.50"
(63)	(87.4)	(25.4)	(99.6)	(92.2)	(108.0)	(61.5)	(96.0)	(88.9)
3	3.75"	1.00"	4.70"	4.31"	4.87"	3.01"	4.64"	4.30"
(78)	(95.3)	(25.4)	(119.4)	(109.5)	(123.7)	(76.5)	(118.0)	(109.2)
4	4.25"	1.00"	5.75"	5.31"	5.63"	3.96"	5.76"	5.38"
(103)	(108.0)	(25.4)	(146.1)	(134.9)	(143.0)	(100.6)	(146.0)	(136.7)



Note: *A/C = Across Corners, A/F = Across Flats.

**md = metric designator.









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Features and Benefits

Pre-Wired 2X2 USB Work Surface Pop-Up Box

Hubbell's UL Listed 2X2 USB Work Surface Pop-Up Boxes is ideal for work surfaces, such as desks, which require power for a computer and USB charging for smart devices. Each box includes one 125V, 15A duplex receptacle and two USB ports, one type A and one Type-C. Developed with coordination from the hotel industry, the Hubbell Pop-Up Box utilizes a pneumatic spring for providing a smooth action for opening and closing. Available in brushed aluminum, black powder coat and white powder coat, the

Pop-Up Box is suited for installation with any modern décor, making it excellent for conference rooms or classrooms that are frequently rearranged.

Installation is simple and only requires a jig-saw or similar saw plus a screwdriver. The unit is supplied with a 5 foot cord with a molded plug end allowing it to be installed with ease. Designed to be installed into existing desks or by furniture manufactures. The Hubbell 2X2 USB Work Surface Pop-Up Box is ideally suited for any work surface application.

• cULus listed to UL962A for Furniture Power Distribution Units





Box Design

- Gas-spring actuation for smooth opening and closing
- Die cast aluminum construction
- Rated for +10,000 open/close cycles
- Simple three-screw installation
- Unobtrusive low profile flange at 0.05 in.
- Charging convenience at the push of a button



USB Device

- 15A duplex with two USB ports; available with Type A & C with 5A capacity
- Tamper-resistant receptacle
- LED power indicating light
- Low .070" tapered flange height
- 5 ft, pre-wired, 12 gauge, 3 wire electrical cord



WSBUSB2X2AC5ALU

2X2 USB Work Surface Pop-Up Boxes, NEMA 5-15 Duplex Receptacle

Finish	USB Type A & C, 5A-5V USB Output
Brushed Aluminum	WSBUSB2X2AC5ALU
Black Powder Paint	WSBUSB2X2AC5BLK
White Powder Paint	WSBUSB2X2AC5WHT
	Brushed Aluminum Black Powder Paint

Note: UL File Number E327832.

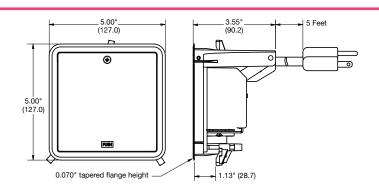
Work Surface Pop-Up Box Specifications

Maximum	Cut Out	Surface	Tapered Flange	Product	Cord
Surface Thickness	Dimensions	Dimensions	Height	Depth	Length
1.125"	4.62" x 4.62"	5" x 5"	0.070"	3.55"	5 Feet

Dimensions



Dimensions in Inches (mm)



Features and Benefits

Pre-Wired Furniture and Work Surface Connectivity Boxes, Surface Series

This family of furniture and work surface connectivity boxes installs into conference tables and workstations to bring power, voice, data, and multimedia directly to the point of use. In addition, they offer an aesthetic design with improved cable management. Now, users can plug in laptops, projectors and other equipment at the desktop level - no more crawling under the table or moving obstacles to get to the electrical outlet and network connectivity.



Table Top Pre-Wired Boxes

- Round dual-service boxes easily install into a 31/2 inch diameter core hole
- Power is pre-wired and keystone openings accommodate data or multi-media activation



Lift-Up Style Pre-Wired Boxes

- Two (2) pre-wired 15A outlets with 6 ft. power supply cord
- 1-Unit opening for Hubbell iSTATION modules



Pre-Wired Work Surface Elite Series

- Configured with four (4) pre-wired 15A power outlets with 6 ft. cord
- Includes Three (3) 1-Unit Hubbell iSTATION modules
- Available in Anodized and Painted finishes

Table Top Boxes

Low Voltage Only

Low Voltage Only			
Description	Finish	Dimensions	Catalog Number
Table Top box; 2 inch diameter hole; (1) keystone opening; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	2.19" Diameter	TTBKSBK TTBKSAL TTBKSBR
Table Top box; 2 inch diameter hole; (1) XLR microphone jack installed.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	2.19" Diameter	TTBXLRBK TTBXLRAL TTBXLRBR





ra-Wirad Dual-Sarvica

Keystone modules sold separately.

Pre-wired Duai-Service			and a
Description	Finish	Dimensions	Catalog Number
Table Top box; 3.5 inch diameter hole; (1) pre-wired 15A outlet with 9 foot power supply cord; (1) 3.5mm screw terminal audio jack; (1) 15-pin gender changer F/F; (2) keystone openings; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	3.88" Diameter	TTBDS1BK TTBDS1AL TTBDS1BR
Table Top box; 3.5 inch diameter hole; (2) pre-wired 15A outlets with 9 foot power supply cord; (2) keystone openings;	Black Anod. Alum. Clear Anod. Alum. Solid Brass	3.88" Diameter	TTBDS2BK TTBDS2AL TTBDS2BR

Note: See section A for power devices and section Y for datacom accessories.





Pre-Wired Furniture and Work Surface Connectivity Boxes, Surface Series



WSBF22SV



WSBFGROMSV

Grommet Style

Description	Finish	Dimensions	Catalog Number
Two (2) pre-wired 15A outlets with 6 ft. power supply cord; two (2) Hubbell Keystone openings.	Black Silver	8.62"L x 3.0"W x 2.25"H	WSBF22BK WSBF22SV
Flush grommet cover with dust shield.	Black Silver Brushed Aluminum Brushed Stainless Steel	5.68"L x 3.39"W x 0.96"H	WSBFGROMBK WSBFGROMSV WSBFGROMBAL WSBFGROMBSS



WSBG43UBK



WSBG43USV (cover doors shown open)

Pre-Wired Work Surface Elite Series

Recessed Concealed Services

Description	Finish	Dimensions	Catalog Number
Four (4) pre-wired 15A outlets with 6 ft. power supply cord; three (3) low voltage openings which allow for three (3) 1-unit Hubbell iSTATION modules.		15.0"L x 9.0"W x 6.25"H	WSBG43UBK WSBG43USV WSBG43UBAL WSBG43UBBA



Replacement Low Voltage Data Plates

Description	Finish	Dimensions	Catalog Number
Non-metallic low voltage plate, blank.	Black	3.18"L x 1.88"W	WSBPLATE1
Non-metallic low voltage plate, 1-unit Hubbell iSTATION cut-out.	Black	3.18"L x 1.88"W	-

Note: UL File Number E327832.



Features and Benefits

AV and Power Ceiling Boxes

The AV Ceiling Enclosure is designed to house active AV devices and integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. The enclosure protects and conceals your equipment and connections for a clean installation while maintaining accessibility with the hinged access doors.

- Neatly Manage A/V, power, and data requirements inside one enclosure
- Two Enclosures Sizes to Match your Required Application
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Hinged access doors accepts field installed ceiling tiles
- Enclosures with 1-1/2" conduit hubs for projector mounting
- All steel rugged construction provides the ultimate strength for installation





HRCB12WHT

HRCB22PWHT

1' x 2' Plenum Rated Ceiling Boxes

Description	Length	Width	Height	Color	Catalog Number
Recessed ceiling box	23.69" (601.7mm)	11.69" (296.9mm)	6.00" (152.4mm)	White	HRCB12WHT
Recessed ceiling box with 1-1/2" NPT projector pole adapter	23.69" (601.7mm)	11.69" (296.9mm)	6.00" (152.4mm)	White	HRCB12PWHT
HRCB12 Series Box hard ceiling frame kit	23.57" (598.7mm)	12.94" (328.7mm)	7.38" (187.4mm)	White Flange	HRCB12HCFK
HRCB12 series box cooling fan kit	10.88" (276.3mm)	1.89" (48.1mm)	4.91" (124.6mm)		HRCB12FAN

Note: I'x2' ceiling boxes includes; (1) external 15A, 125V single receptacle and internal (2) 15A, 125V leaded duplex receptacles .

2' x 2' Plenum Rated Ceiling Boxes

Description	Length	Width	Height	Color	Catalog Number
Recessed ceiling box	23.69" (601.7mm)	23.69" (601.7mm)	6.00"(152.4mm)	White	HRCB22WHT
Recessed ceiling box with 1-1/2" NPT projector pole adapter	23.69" (601.7mm)	23.69" (601.7mm)	6.00" (152.4mm)	White	HRCB22PWHT
HRCB22 Series Box hard ceiling frame kit	23.57" (598.7)	24.94" (633.5)	7.38" (187.4)	White Flange	HRCB22HCFK
HRCB22 series box cooling fan kit	9.54" (242.3mm)	1.89" (48.1mm)	4.89" (124.2)		HRCB22FAN

Note: 2'x2' ceiling boxes includes; (1) external switched 15A, 125V single receptacle and internal (5) 15A, 125V single receptacles

1' x 2' & 2' x 2" Ceiling Box Accessories

Description	Length	Width	Height	Size	Catalog Number
Ceiling box cable support kit, 4 cables	95" (2413.0mm)				HRCBMNT1
Ceiling box threaded rod kit, 4 brackets	0.88" (22.2)	0.06" (1.6mm)	1.19"(30.2)	0.09" (2.4mm Up to 3/8" Threaded Ro	n) Dia HRCBTHRD

AV Ceiling Enclosure

- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
AV ceiling enclosure.	12" (305)	24" (610)	8" (203)	White	AVCE1H

Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.



AVCE1H



Features and Benefits

AV In-Wall Boxes

Power, data, interfaces and more will mount discretely behind the flat screen. Covers two piece are available in white or black. Supplied with mounting screws for wood or steel stud mounting, grounding screws, tie wraps, and a rubber grommet. One of the single gang knockouts has a 1"x2" oblong internal knockout and can be used with the supplied grommets. The flush box installation allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords.

- Low voltage conduit feed-thru for connectorized cables with 1", 1-1/2" and 2" Knockouts
- 3/4" extension available for concrete block walls
- Two-piece paintable cover allows for better cable management
- Boxes Conforms to UL 62368-1:2019 Ed.3, Certified to CSAC22.2#62368-1:2019 Ed.3





HRWB25WHT with HRW25BE075



HRWB25WHT with 2 Inch Low Voltage Feed-Through

Wall Boxes

Description	Height	Width	Depth	Cover Color	Catalog Number
Recessed 5-Gang wall box w/ 2" feed-thru	7.24" (183.8)	14.25" (362.0)	4.00" (141.6)	White	HRWB25WHT
HRWB25WHT replacement covers	8.34" (211.7)	15.50" (393.7)	0.16" (4.0)	White	HRWB25WHTRC
Recessed 5-Gang wall box w/ 2" feed-thru	7.24" (183.8)	14.25" (362.0)	4.00" (141.6)	Black	HRWB25BLK
HRWB25BLK replacement covers	8.34" (211.7)	15.50" (393.7)	0.16" (4.0)	Black	HRWB25BLKRC
HRWB25 series wall box 3/4" extension	7.47" (189.7)	14.50" (368.3)	0.75" (19.1)	Steel	HRWB25BE075





IFP16W

NSOKPS





IMF1W

SFHC14W

Power Kits

Description	Color	Catalog Number
Standard power kit.	White	NSOKPTR
Surge protected power kit.	White	NSOKPS

AV Connectors and Plates

Description	Color	Catalog Number
1-Gang 6-Port Plate.	White	IFP16W
1-Gang Hubbell iSTATION Plate	White	IMF1W
Category 6 Jack	White	HXJ6W
HDMI Feed-Thru	White	SFHC14W



Features and Benefits

AV In-Wall Enclosure

2 and 4-Gang Flat Panel Television (FPTV) connection enclosure delivers highdensity connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to study or sheetrock without additional components or hardware.

- Optional screw on cover reduces tampering
- cÜLus 1863 Listed



Box Design

- Flush against walls installation
- Sheet metal base white powder coat finish
- Accepts standard electrical boxes
- Integrated cable management



Mounting

- Multiple device mounting options
- 1½ and 1¼ inch conduit knockouts
- Easily mounts to studs or sheetrock
- Easily replaceable receptacle
- Trim ring covers rough in





FPTV Connection Enclosure

Description	Color	Catalog Number
2-Gang In-Wall enclosure.	White	NSAV62M
Steel cover for NSAV6 series.	White	NSAV6C
4-Gang In-Wall enclosure.	White	NSAV124M
Steel cover for NSAV12 series.	White	NSAV12C



Power Kits

1 01101 1110		
Description	Color	Catalog Number
Standard power kit.	White	NSOKPTR
Surge protected power kit.	White	NSOKPS

AV Connectors and Plates

717 COMMODICIO UMA FILICO		
Description	Color	Catalog Number
1-Gang blank plate.	White	P14W
1-Gang decorator plate.	White	P26W







NSOKPS







411/16" Square boxes

Featuring STAB-IT® connectors

Integrated into the box, our exclusive connectors are field proven to terminate MC cable up to 3 times faster than traditional cable clamps. It's easy: remove the pry-out, prep the cable, insert cable, done! These welded large boxes provide more room for wiring and include connectors for three or six cables, plus a knockout on the same side as the connectors. Available mounting brackets and cable management offer the first means of support.

- 3-cable STAB-IT connectors install 3 times faster than traditional connectors
- Designed for quick installation of flex, MC, MCI, MCI-A, MC-PCS, AC, and HCF Cable
- HBL252MSCM & HBL252MS include far-side support on back
- Includes ground wires, box mounting brackets and cable clamps
- Easier installation for labor savings





Boxes

Boxes are 411/16" square, 21/10" deep. They are constructed with welded steel and have raised grounds. The boxes have 42 in.3 capacity.

	Side Knoc	Knock Outs E		ock Outs		
Box Description	TKO	Cable Pry-outs	Concentric	TKO	— Catalog Number	
Standard	(12) ½"-¾"		(1) ½"	(3) 1/2"-3/4"	HBL257*	
(1) STAB-IT Connector and 8" Solid #12 Ground Pigtail	(10) ½"-¾"	3	(1) ½"	(1) ½"-¾"	HBL252S	
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail and (1) Cable Management Clamp	(10) ½"-¾"	3	(1) ½"	(1) ½"-¾"	HBL252SCM	
(1) STAB-IT Connector, 8″ Solid #12 Ground Pigtail and (1) Mounting Bracket	(10) ½"-¾"	3	(1) ½"	(1) ½"-¾"	HBL252MS	
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail, (2) Mounting Brackets and (1) Cable Management Clamp	(10) ½"-¾" (1) ¾"- 1"	3	(1) ½"	(1) ½"-¾"	HBL252MSCM	
(2) STAB-IT Connectors and 8" Solid #12 Ground Pigtail	(8) ½"-¾"	6	(1) ½"		HBL254S	
(2) STAB-IT Connectors, 8" Solid #12 Ground Pigtail, and (2) Cable Management Clamps	(8) ½"-¾"	6	(1) ½"		HBL254SCM	

^{*}UL Listed Only















4" Square boxes

Regular or STAB-IT® boxes

These popular boxes are available with our unique connectors built into the box. Terminate MC cable in one third the time of other clamps. Models are available with connectors for two or four cables. Available mounting brackets and cable management offer the first means of support.

- 2-cable STAB-IT connectors install 3 times faster than traditional connectors
- Designed for quick installation of flex, MC, MCI, MCI-A, MC-PCS, AC, and HCF Cable
- HBL232MSCM & HBL232MS includes far-side support on back
- Includes ground wires, box mounting brackets and cable clamps
- Easier installation for labor savings





Boxes

Boxes are 4" square, 2-1/8" deep. They are constructed with welded steel and have raised grounds. The boxes have 30.3 in.3 capacity.

	Side	Knock Out	:s	Back Knock Outs		_
Box Description	Concentric	TKO	Cable Pry-outs	Concentric	TKO	Catalog Number
Standard	(8) ½"	(4) 1/2"-3/4"	,	(2) ½"	(2) 1/2"-3/4"	HBL232
10" Solid #12 Ground Pigtail	(8) ½"	(4) 1/2"-3/4"	,	(2) ½"	(2) 1/2"-3/4"	HBL232SM
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail	(6) ½"	(3) ½"-¾"	2	(1) ½"	(1) ½"-¾"	HBL232S
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail, Back- Far Side Support, and (2) Mounting Brackets	(6) ½"	(3) ½"-¾"	2	(1) ½"	(1) ½"-¾"	HBL232MS
(1) STAB-IT Connector, 8″ Solid #12 Ground Pigtail, and (1) Cable Management Clamp	(6) ½"	(3) ½"-¾"	2	(1) ½"	(1) ½"-¾"	HBL232SCM
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail, Back- Far Side Support, (1) Cable Management Clamp, and (2) Mounting Brackets	(6) ½"	(3) ½"-¾"	2	(1) ½"	(1) ½"-¾"	HBL232MSCM
(2) STAB-IT Connectors, 8" Solid #12 Ground Pigtail, Back- Far Side Support, (2) Cable Management Clamp, and (2) Mounting Brackets	(6) ½"	(3) ½"-¾"	4	(1) ½"	(1) ½"-¾"	HBL244MSCM
(2) STAB-IT Connectors, 8" Solid #12 Ground Pigtail	(4) ½"	(2) ½"-¾"	4	(1) ½"		HBL248S



Boxes are 4" square, $1\frac{1}{2}"$ deep, and have 21 in. 3 capacity. Use with standard cable connectors.

	Side Knoo	k Outs	Back Knoo	ck Outs	_
Box Description	Concentric	TKO	Concentric	TKO	Catalog Number
Welded Steel, Raised Ground, 8" Solid #12 Ground Pigtail	(8) ½"	(4) 1/2"-3/4"	(2) ½"	(2) 1/2"-3/4"	HBL189F
Welded Steel, Raised Ground, 10" Solid #12 Ground Pigtail	(8) ½"	(4) 1/2"-3/4"	(2) ½"	(2) ½"-¾"	HBL189SM*
Welded Steel, Long Side Mounting Brackets	(8) ½"	(4) 1/2"-3/4"	(3) ½"	(2) ½"-¾"	HBL196
Welded Steel, Raised Ground, 10" Solid #12 Ground Pigtail	(8) ½", (4) ¾"		(2) ½", (2) ¾"		HBL232SCM

^{*}cULus



4" & 411/16" Square boxes

Mud rings, covers, supports

Steel adjustable mud rings provide flexibility after installation to match the drywall depth. Hinged mud rings allow devices to be installed during pre-assembly, then swing out of the way for final wiring on site. Protector plates can be attached during prefab to protect devices during drywall install, then removed during trim out.

- 1 & 2-Gang adjustable mud rings
- Standard 1 & 2-gang mud rings
- Adjustable open box mounting brackets
- Floor mounted box support includes fold back stabilizer prevents bracket from being pushed back in wall cavity during drywall installation



















Mud Rings

For use with	Туре	Raised Height	Capacity (In.3)	Listing	Catalog Number
	1-Gang, Adjustable 2-Gang, Adjustable	½" to 1¾"	4 to 9.5 8 to 15.5	UL Listed	HBL868AMR HBL869AMR
	1-Gang	5/8" 11/4"	4.5 9.5	cULus	HBL843 HBL842
41½ε" boxes	2-Gang	1/2" 5/8" 3/4" 1" 11/4"	5.5 7.3 8.8 12.0 15.0	cULus	HBL841 HBL818 HBL840 HBL819 HBL820
	1-Gang, Adjustable 2-Gang, Adjustable	½" to 13/8"	4 to 9.5 8 to 15.5	UL Listed	HBL768AMR HBL769AMR
4" boxes	1-Gang 1-Gang, Stud Mount 1-Gang, Hinged 1-Gang	5/8" 5/8" 5/8" 11/4"	4.5 4.5 5.5 9.5	UL Listed UL Listed UL Listed cULus	HBL768 HBL768B HBL768H HBL775
	2-Gang 2-Gang, Stud Mount 2-Gang, Hinged 2-Gang	5/8" 5/8" 5/8" 1/4"	7.3 7.3 8.3 15	cULus UL Listed UL Listed cULus	HBL769 HBL769B HBL769H HBL781

Square Metallic Covers for Exposed Work

For use with	1 Decorator	1 Duplex	2 Decorator	2 Duplex	1 Duplex, 1 Decorator
4" boxes, UL Listed	HBL808C	HBL902C	HBL809C	HBL907C	HBL915C

Metallic Box Brackets and Supports

For use with	Туре	Box Mounting	Catalog Number
	Open Wall Adjustable Box Bracket	16" to 24"	HBL9020R
411/16" and 4" boxes, cULus	Floor Mounted Box Support	12" 18"	HBL9009 HBL9010

Plates

Description	For use with	Height	1-Gang	2-Gang
Reuseable metallic mud ring cable protector plate	411/16" and 4" boxes	Flush ³⁄4"		HBL702F HBL702R
Metallic flush-fit devices levelling plate	411/16" and 4" boxes	-	HBL999	_



Grand Slam Junction boxes

Large capacity home run boxes

Terminate home runs in commercial applications with the Grand Slam box. It offers both flexibility and space. Features built-in STAB-iT® connectors for jobsite labor savings as well as included ground bar.

- With STAB-IT[®] clamps, has been tested at over 3X faster than traditional connectors
- Surface mount cover and ground bar included
- Two raised grounds for installation flexibility
- Available with concentric knockouts on side and back UL Listed





Grand Slam Junction Boxes

Box, surface covers and ground bar included.					
Dimensions	Concentric Knock Outs	STAB-IT Clamps	Capacity (In.3)	Catalog Number	
8" X 8" X 3"	(12) ½" & ¾" (5) ¾" & 1"	(4) 14/2 to 10/3 Up to 8 Cables	179	HBLSC080803STRC	
8" X 8" X 3"	NA	(4) 14/2 to 10/3 Up to 8 Cables	179	HBLSC080803NKSTRC	
12" X 12" X 4"	(12) ½" & ¾" (9) ¾" & 1" (8) 1" & 1¼"	(6) 14/2 to 10/3 Up to 12 Cables	546	HBLSC121204STRC	
12" X 12" X 4"	NA	(6) 14/2 to 10/3 Up to 12 Cables	546	HBLSC121204NKSTRC	









Grand Slam Junction Box Accessories

Description	For Use With	Dimensions	Catalog Number
Flush Style Cover	8" X 8" Boxes 12" X 12" Boxes	10" × 10" 14" × 14"	HBLSCF0808RC HBLSCF1212RC
STAB-IT® Connector (accepts 2 cables)	All Grand Slam boxes	1.032" x 1.75" x 0.983"	HBL989ST







Av Wall Boxes

Gangable boxes

Deliver data, AV, and power side-by-side with these oversized inwall boxes. Designed to install independently or ganged together for multiple devices. Perfect for Cat6 and 6A fiber optic cables that require a larger bend radius.

- 4" depth accepts any device
- Knockouts from 1/2" up to 2"
- · Accepts low voltage partition
- NEMA spaced device mounting, accepts industry standard wallplates
- Adjustable stud mounting brackets and far side support
- Suitable for masonry application









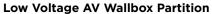






Canigation to the Device				
		Knockouts		
Box Description	Тор	Bottom	Back	Catalog Number
2-Gang, 2 in. KO, 54 in ³ capacity, 4.21" X 4.06" X 4"	(2) ½" (2) ½" - ¾" TKO	(1) 1", 1¼", 1½", 2"	(2) 1/2"-3/4"	HBL985
3-Gang, 2 in. KO, 79 in ³ capacity. 4.21" X 5.87" X 4"	(3) ½" (3) ½" - ¾" TKO	(1) ½" (1) ½" - ¾" TKO (1) 1", 1¼", 1½", 2"	(3) ½"-¾"	HBL986
4-Gang, 2 in. KO, 104 in ³ capacity, 4.21" X 7.69" X 4"	(4) ½" (4) ½" - ¾" TKO	(1) ½" (1) ½" - ¾" TKO (2) 1", 1¼", 1½", 2"	(4) 1/2"-3/4"	HBL987
6-Gang, 2 in. KO, 154 in ³ capacity, 4.21" X 11.31" X 4"	(6) ½" (6) ½" - ¾" TKO	(1) ½" (1) ½" - ¾" TKO (2) 1", 1¼", 1½", 2"	(6) 1/2"-3/4"	HBL988





For use with	Туре	Catalog Number
HBL985, HBL986, HBL987 and HBL988	Solid divider With pass-thru capability	HBL989 HBL989AVD



Large capacity Wall Boxes

One, two or three gang boxes

Oversized two or three gang boxes and mud rings are perfect for AV, data and power applications. Extra-large knockouts for pulling pre-terminated cables.

- Designed to deliver power and low voltage in the same box
- Use standard mud rings and wallplates
- Two inch knockout feed-thru
- 3 1/4 Inch depth accommodates large cables and bend radii









2-Gang Large Capacity Wall Boxes

Boxes are $4^1\%6''$ square, 3%'' deep. The boxes have 66.7 in.³ capacity. Use with industry standard $4^1\%6''$ square mud rings for 1- or 2-gang applications

	Side Kno	ock Outs	Back Knock Outs	
Box Description	Concentric	TKO	TKO	Catalog Number
Standard	(2) 1"-2"	(2) ³ / ₄ "-1" (2) 1"-1 ¹ / ₄ "	(2) ³ / ₄ "-1" (2) 1 ½"	HBL260
With mounting brackets	(2) 1"-2"	(2) ³ / ₄ "-1" (2) 1"-1 ¹ / ₄ "	(2) ³ / ₄ "-1" (2) 1 ½"	HBL260H



3-Gang Large Capacity Wall Box

Boxes are $4^{1}\!\%_6{}^{\rm m}{\rm H},7^{3}\!\%{}^{\rm m}{\rm W},3^{3}\!\%{}^{\rm m}$ deep. The boxes have 113.3 in.3 capacity. Use with industry standard 4" square mud rings for 1- or 2-gang applications

		·		
	Side Kno	ock Outs	Back Knock Outs	
Box Description	Concentric	TKO	TKO	Catalog Number
Square 2- or 3-gang wall box	(2) 1"-2"	(4) ½"-¾" (4) ¾"-1" (2) 1"-1 ¼"	(2) ½"-¾" (2) ¾"-1" (2) 1"-1 ¼"	HBL263



Mud Rings

Description	For use with	Height	Capacity (In.³)	Catalog Number
2-gang mud rings	HBL260	5%" 3⁄4" 1" 11⁄4"	7.3 8.8 12.0 15.0	HBL818 HBL840 HBL819 HBL820
3-gang mud rings	HBL263	½" 5/8" 11/4"	10.1 12.3 24.3	HBL792 HBL793 HBL794



Low Voltage Partition

For use with	Mud Ring Depth	Type	Catalog Number
HBL260 and HBL263	½", ¾" and 1¼"	Solid divider With pass-thru capability	HBL981 HBL981AVD



Dimensions in Inches (mm)



SNAPConnect® Devices & Accessories

Modular wiring system

Our labor-saving receptacles and switches save up to 5 minutes per device. Perfect for prefab applications. The SNAPConnect terminal can be part of the pre-assembly. The device can be snapped in during pre-assembly or during trim out. Secure and fast, these products eliminate exposed live terminals.

- Modular wiring system eliminates screw terminals and NEC[®] torque requirements, speeding installation and trim-out
- Clear polycarbonate terminal connector housing to inspect contacts
- Receptacles available in standard, tamper-resistant and power indicating LED versions
- Abuse resistant nylon for extra heavy use applications
- Stainless steel autoground
- Simplifies device change out for end users









Description	Solid	Stranded
6 inch wire connector	SNAP1RNA	SNAP2RNA
6 inch wire with push-wire terminals	SNAP1RNAM2	SNAP2RNAM2



Hospital Grade SNAPConnect® Extra Heavy Duty Duplex Receptacles

moopital oldate city is commote							
Description	Style	Color	15A 125A	20A 125V			
Standard	Duplex StyleLine Decorator	White	SNAP8200WNA SNAP2172WNA	SNAP8300WNA SNAP2182WNA			
Standard with Finder Groove	Duplex	White	SNAP8200WA	SNAP8300WA			
Tamper-Resistant	Duplex StyleLine Decorator	White	SNAP8200WTRA SNAP2172WTRA	SNAP8300WTRA SNAP2182WTRA			
Tamper-Resistant with Split Circuit	Duplex StyleLine Decorator	White	SNAP8200WSCTRA SNAP2172WSCTRA	SNAP8300WSCTRA SNAP2182WSCTRA			
Standard with Power Indicating (LED)	Duplex StyleLine Decorator	White	SNAP8200WL SNAP2172WL	SNAP8300WL SNAP2182WL			
Tamper-Resistant with Power Indicating (LED)	Duplex StyleLine Decorator	White	SNAP8200WLTRA SNAP2172WLTRA	SNAP8300WLTRA SNAP2182WLTRA			



Specification Grade SNAPConnect® Extra Heavy Duty Duplex Receptacles

•				
Description	Style	Color	15A 125A	20A 125V
Standard	Duplex StyleLine Decorator	White	SNAP5262WNA SNAP2152WNA	SNAP5362WNA SNAP2162WNA
Standard with Finder Groove	Duplex	White	SNAP5262WA	SNAP5362WA
Tamper-Resistant	Duplex StyleLine Decorator	White	SNAP5262WTRA SNAP2152WTRA	SNAP5362WTRA SNAP2162WTRA
Tamper-Resistant with Split Circuit	Duplex StyleLine Decorator	White	SNAP5262WSCTRA SNAP2152WSCTRA	SNAP5362WSCTRA SNAP2162WSCTRA
Standard with Power Indicating (LED)	Duplex StyleLine Decorator	White	SNAP5262WL SNAP2152WL	SNAP5362WL SNAP2162WL
Tamper-Resistant with Power Indicating (LED)	Duplex StyleLine Decorator	White	SNAP5262WLTRA SNAP2152WLTRA	SNAP5362WLTRA SNAP2162WLTRA



SNAPConnect® Permanently Marked Controlled Duplex Receptacles

			Standard	Tampe	r-Resistant
Description	Color	15A 125V	20A 125V	15A 125V	20A 125V
Duplex One Face Controlled Split Circuit Snap	White	SNAP5262C1W	SNAP5362C1W	SNAP5262C1WTRA	SNAP5362C1WTRA
Duplex Both faces Controlled	White	SNAP5262C2W	SNAP5362C2W	SNAP5262C2WTRA	SNAP5362C2WTRA
StyleLine Decorator One Face Controlled Split Circuit	White	SNAP2152C1W	SNAP2162C1W	SNAP2152C1WTRA	SNAP2162C1WTRA
StyleLine Decorator Both faces Controlled	White	SNAP2152C2W	SNAP2162C2W	SNAP2152C2WTRA	SNAP2162C2WTRA



SNAPConnect® Protection Receptacles

		Hospital Grade		Specification Grade	
Description	Color	15A 125V	20A 125V	15A 125V	20A 125V
Heavy Duty Commercial Ground Fault	White	SNAPGF82W	SNAPGF83W	GFRST15SNAPW	GFRST20SNAPW
Heavy Duty Commercial Ground Fault Tamper-Resistant Weather-Resistant	White	SNAPGFTW82W	SNAPGFTW83W	GFTWRST15SNAPW	GFTWRST20SNAPW
Surge Protection Tamper resistant with Power Indicating (LED)	White	SNAP8262WS	SNAP8362WS	SNAP5262WA	SNAP5362WS
USB Charger Duplex, one USB Type A and one Type-C port, 3 Amp up to 9 Volt USB output	White	SNAP8200UACW	SNAP8300UACW	SNAP15UACW	SNAP20UACW



SNAPConnect® Right Angle Pigtailed Connectors for Switches

Description		Solid	Stranded
	single pole	SNAPSP1NA	SNAPSP2NA
	single pole, with push-in terminals	SNAPSP1NAM2	SNAPSP2NAM2
6 inch wire connector single pole pilot light for use with single pole pilot light, with pus	single pole pilot light	SNAPSPP1NA	SNAPSPP2NA
	single pole pilot light, with push-wire terminals	SNAPSPP1NAM2	SNAPSPP2NAM2
	3-way pilot light	SNAP3W1NA	SNAP3W2NA
	3-way pilot light, with push-wire terminals	SNAP3W1NAM2	SNAP3W2NAM2



SNAPConnect® White Specification Grade Switches

		15A, 120-277V AC		20A, 120-277V AC	
Description	Style	Single Pole	Three Way	Single Pole	Three Way
Standard	Toggle Decorator	SNAP1201WNA SNAP2101WNA	SNAP1203WNA SNAP2103WNA	SNAP1221WNA SNAP2121WNA	SNAP1223WNA SNAP2123WNA
Illuminated blue LED, light ON with load OFF	Toggle Decorator	SNAP1201ILWNA SNAP2101ILWNA	SNAP1203ILWNA SNAP2103ILWNA	SNAP1221ILWNA SNAP2121ILWNA	SNAP1223ILWNA SNAP2123ILWNA
Pilot red LED, light ON with load OFF	Toggle Decorator	SNAP1201PLWNA SNAP2101PLWNA	_	SNAP1221PLWNA SNAP2121PLWNA	_



SNAPConnect® Testers

Description	Catalog Number
Circuit Tester for SNAPConnect* receptacle terminals, GFCI and standard receptacles Switch jumper/tester, single pole, illuminated Switch jumper/tester, 3-way, illuminated	SNAPCTG SANPSWJUMP SNAP3WJUMP



Polycarbonate Wallplates

	Standard		Mid-Size	
Description	1-Gang	2-Gang	1-Gang	2-Gang
StyleLine Decorator, white	P26W	P262W	PJ26W	PJ262W
Duplex, white	P8W	P82W	PJ8W	PJ82W
Toggle, white	P1W	P2W	PJ1W	PJ2W
Combination 1-Toggle and 1-Duplex, white	-	P18W	-	PJ18W
Combination 1-Duplex and 1-StyleLine Decorator, white	-	P826W	-	PJ826W
Combination 1-Toggle and 1-StyleLine Decorator, white	-	P126W	-	PJ126W



SECTION Y

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Network Wiring and netSELECT® Products

Products at a Glance



Jacks and Connectors

- NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz
- Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel
- F-Type connectors distribute high quality video signal to the workstation
- RCA connectors distribute component and composite audio and video signals from device to device



Modular Snap Fit Jacks

- Customize the jack selections and look
- Quick and secure snap-in design
- Hi impact-resistant thermoplastic frame
- Audio/Video connectors are available in standard bulkhead or recessed



Network Enclosures

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance
- Horizontal and vertical module mounting holes for maximum flexibility



In-Wall AV Delivery and HDMI Products

- 18 Gauge white powder coated rugged steel base
- 2-Gang enclosure with two 11/2 and 11/4 inch KOs
- Stud or sheetrock mounting integrated
- Supplied ABS trim ring quickly cleans up sheetrock rough-in
- Optional screw on cover reduces tampering
- cULus 1863 Listed



Patch Panels and Wall Mount Brackets

- Zero-crosstalk contact structure provides the highest performance while maintaining true balance
- Rear cable manager bars maintain termination integrity
- Integrated port and panel labeling, as well as port icon attachment
- Labeling, termination and aesthetics shared across all performance categories, sizes and configurations



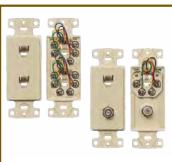
Network and Audio/Video Modules

- netSELECT® modular components enable the designer to select performance requirements specifically for the application
- Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage
- netSELECT® video modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas



Molded-In Voice/Data/Video

- Decorator frames provide a stylized look for that finishing touch
- Elongated strap for better wall box mounting
- High impact-resistant thermoplastic frame
- UL Listed 1863 Communication Circuit Accessory and CSA Certified





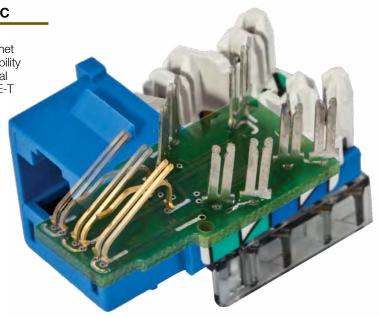
Features and Benefits

Hubbell Xcelerator Jacks, Category 6, 5e and USOC

The NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz for dependable Multi-gigabit Ethernet applications. NEXTSPEED's extended bandwidth provides reliability with zero bit error rate performance for today's high speed digital communications. The Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel.

Hubbell's work area solutions and modular connectivity have many innovative features that integrate into a wide range of Hubbell products—floor boxes, patch panels, conference table boxes, fire-rated poke-throughs and wallplates.

- TIA-568.2-D Category 6 component
- IEC 60603-7-4 Category 6 component
- Qualified to 150% of IEEE 802,3bt current level
- IEEE 802.3an 10GBASE-T





Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavZduty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



Labor Savings

• Exclusive 1-Punch Tool, terminates within seconds



Universal Wiring

• Two distinct labels eliminate wiring confusion, T568B or T568A



IDC Lacing

• IDC towers have a blade feature to assist pair splitting during termination



Specifications

Mating cycles: 2500

Manufacturing: 100% factory tested





Enterprise Grade Jacks



NEXTSPEED® Category 6 Jacks

Color	Single Pack	25-Pack
Black	HXJ6BK	HXJ6BK25
Blue	HXJ6B	HXJ6B25
Electric Ivory	HXJ6EI	HXJ6EI25
Gold	_	HXJ6GL25
Gray	HXJ6GY	HXJ6GY25
Green	HXJ6GN	HXJ6GN25
Office White	HXJ6OW	HXJ6OW25
Orange	HXJ6OR	HXJ6OR25
Purple	_	HXJ6P25
Red	HXJ6R	HXJ6R25
White	HXJ6W	HXJ6W25
Yellow	HXJ6Y	HXJ6Y25

Note: Also available in 100 packs.



NEXTSPEED® Category 5e Jacks

Single Pack	25-Pack	
HXJ5EBK	HXJ5EBK25	
HXJ5EB	HXJ5EB25	
HXJ5EEI	HXJ5EEI25	
_	HXJ5EGL25	
HXJ5EGY	HXJ5EGY25	
HXJ5EGN	HXJ5EGN25	
HXJ5EOW	HXJ5EOW25	
HXJ5EOR	HXJ5EOR25	
_	HXJ5EP25	
HXJ5ER	HXJ5ER25	
HXJ5EW	HXJ5EW25	
HXJ5EY	HXJ5EY25	



USOC Jacks, RJ-25

CCCC Gaorico, Fio 20
Single Pack
HXJUBK
HXJUB
HXJUEI
_
HXJUGY
HXJUGN
HXJUOW
HXJUOR
_
HXJUR
HXJUW
HXJUY





netSELECT® Jacks

	Categor	y 6 Jack	Category	5e Jack	USOC Jack
Color	(single)	(25 pack)	(single)	(25 pack)	(single)
Black	NSJ6BK	NSJ6BK25	NSJ5EBK	NSJ5EBK25	NSJUBK
Blue	NSJ6B	NSJ6B25	NSJ5EB	NSJ5EB25	NSJUB
Gray	NSJ6GY	NSJ6GY25	NSJ5EGY	NSJ5EGY25	NSJUGY
Green	NSJ6GN	NSJ6GN25	NSJ5EGN	NSJ5EGN25	NSJUGN
lvory	NSJ6I	NSJ6I25	NSJ5EI	NSJ5EI25	NSJUI
Light Almond	NSJ6LA	NSJ6LA25	NSJ5ELA	NSJ5ELA25	NSJULA
Orange	NSJ6OR	NSJ6OR25	NSJ5EOR	NSJ5EOR25	NSJUOR
Red	NSJ6R	NSJ6R25	NSJ5ER	NSJ5ER25	NSJUR
White	NSJ6W	NSJ6W25	NSJ5EW	NSJ5EW25	NSJUW
Yellow	NSJ6Y	NSJ6Y25	NSJ5EY	NSJ5EY25	NSJUY



Jack Icons, XJ Series

100-Pack, snaps onto jack nose

, ,	,		
	Blank	Computer	Telephone
Color	Catalog Number	Catalog Number	Catalog Number
Black	IBK100	IBK100C	IBK100T
Blue	IB100	IB100C	IB100T
Brown	IBN100	IBN100C	IBN100T
Electric Ivory	IEI100	IEI100C	IEI100T
Gray	IGY100	IGY100C	IGY100T
Green	IGN100	IGN100C	IGN100T
Orange	IOR100	IOR100C	IOR100T
Purple	IP100	IP100C	IP100T
Red	IR100	IR100C	IR100T
White	IW100	IW100C	IW100T
Yellow	IY100	IY100C	IY100T

Note: Cannot be used with SJ jack series.

Custom Icon numbering and labeling available. Contact Customer Service for details.



SecureIT™ RJ-45 Port Blocker

Description	Catalog Number
Locking RJ-45 port blocker	RJ45PB50
Note: Etc. co. D.I. 45 cont	

Note: Fits any RJ-45 port.



Jack Dust Covers, XJ Series

Description	Catalog Number
Polypropylene, clear, 25-pack	HXJDC25

Note: Mounts within the icon slots located above the RJ45 opening. Cannot be used with SJ jack series.



Digital AV Connections









RJ-45 Couplers

Female to female co	ouplers			
Housing Color	Category 6, Pass-Thru	Category 5e, Pass-Thru	Category 5e, Cross Over 10/100BASE-T	Category 6, Shielded Pass-Thru
Black	SFC6BK	SFC5EBK	-	Lead free SFSC6
Gray	_	_	SF5ECOGY	tinned shield
White	SFC6W	SFC5EW	_	









USB Connectors

Pass-thru, female t	to female couplers				
Housing Color	USB 3.0, A to A	USB 3.0, A to B	USB 2.0, A to A	USB 2.0, A to B	
Black	SFUSBAA3BK	SFUSBAB3BK	_	_	
Blue	_	-	SFUSBAAB	SFUSBABB	
Office White	_	_	SFUSBAAOW	SFUSBABOW	
White	_	_	SFUSBAAW	SFUSBABW	











HDMI Connectors for IMB and ISFB Series

Color	HDMI Feed-Thru	HDMI Feed-Thru Coupler	HDMI Feed-Thru 3-Inch Tail	
Black	SFHC14BK	HDMIC14	HDMIT14	
White	SFHC14W	_	_	

HDMI Decorator Frames

Color	1-Port	2-Port	
Black	NS801BK	NS802BK	
Gray	NS801GY	NS802GY	
lvory	NS801I	NS802I	
Light Almond	NS801LA	NS802LA	
White	NS801W	NS802W	





HDMI Non-Active Horizontal Patch Cords

Black, non-plenum, #24 AWG, HDMI 4K		
Length (ft)	HDMI Device Patch Cords	
3	HDPC03BK	
6	HDPC06BK	

	In-Wall Cords
Length (ft)	(Male w/ Screw to Male w/ Screw)
10	HDH10BK
15	HDH15BK
20	HDH20BK
25	HDH25BK
30	HDH30BK



Video Connections













F-Type Connectors

Pass-thru, F/F c	oupler				
	Nickel	Nickel			
Color	2GHz	netSELECT F-Type Coupler Bulkhead, Female to Female			
Black	SFFBX	NSF70BK			
Gray	SFFGX	NSF70GY			
lvory	SFFEX	NSF70I			
Office White	SFFX	NSF70LA			
White	SFFWX	NSF70W			

Gold	

3GHz	2GHz	Recessed	RCA to F-Connector
SFF3GBK SFF3GGY SFF3GEI SFF3GOW SFF3GW	SFFGBK SFFGGY SFFGEI SFFGOW SFFGW	SFGRFBK SFGRFGY SFGRFEI SFGRFOW SFGRFW	SFRFGBK SFRFGGY SFRFGEI SFRFGOW SFRFGW

RCA Connectors, 110 Punch-Down

Extend up to 75ft (23m) over single 4-pair UTP cable; housing color is black

- 9	
Insulator Color	Catalog Number
Blue	SFRC110B
Green	SFRC110GN
Red	SFRC110R
White	SFRC110W
Yellow	SFRC110Y



Screw Terminal

Description	Catalog Number
HD 15-Pin, 10-Pack	15ST10
HD 15-Pin, Front Mount	SF15ST





3.5mm to 110 Termination Stereo Jacks

Extend up to 75ft (23m) over single 4-pair UTP cable		
Color	Catalog Number	
3.5mm to 110 Termination, Black	SF35110BK	



Gender Changers

Female to female couplers				
Description	Catalog Number			
HD 15-Pin. 10-Pack	15GC10			



S-Video Connectors

Extend up to 75ft (23m) over single 4-pair UPT cable		
Color	Catalog Number	
S-Video 110 Punch-Down Black	SFSV110BK	





F-Connector Plugs

25-pack		
Termination Type	Cable Type	Catalog Number
Compression	RG6	FRG625

Blank Connectors

10-pack		
Color	Blank Connector	Smooth Blank Connector
Black	SFBB10	SFSBBK10
Gray	SFBG10	SFSBGY10
lvory	SFBE10	SFSBEI10
Light Almond	_	SFSBLA10
Office White	SFB10	_
White	SFBW10	SFSBW10



AV Connections



RCA Connectors, Solder Termination

	Insulator Color						
Housing Color	Black	Blue	Green	Orange	Red	White	Yellow
Black	SFRCBKBK	SFRCBBK	SFRCGNBK	SFRCORBK	SFRCRBK	SFRCWBK	SFRCYBK
Gray	SFRCBKGY	SFRCBGY	SFRCGNGY	SFRCORGY	SFRCRGY	SFRCWGY	SFRCYGY
lvory	SFRCBKEI	SFRCBEI	SFRCGNEI	SFRCOREI	SFRCREI	SFRCWEI	SFRCYEI
Office White	_	SFRCBOW	SFRCGNOW	SFRCOROW	SFRCR	SFRCW	SFRCY
White	SFRCBKW	SFRCBW	SFRCGNW	SFRCORW	SFRCRW	SFRCWW	SFRCYW















RCA Connectors, Pass-Thru, Recessed

	Insulator Color						
Housing Color	Black	Blue	Green	Orange	Red	White	Yellow
Black	SFRCBKRBK	SFRCBRBK	SFRCGNRBK	SFRCORRBK	SFRCRRBK	SFRCWRBK	SFRCYRBK
Gray	SFRCBKRGY	SFRCBRGY	SFRCGNRGY	SFRCORRGY	SFRCRRGY	SFRCWRGY	SFRCYRGY
lvory	SFRCBKREI	SFRCBREI	SFRCGNREI	SFRCORREI	SFRCRREI	SFRCWREI	SFRCYREI
Office White	SFRCBKROW	SFRCBROW	SFRCGNROW	SFRCORROW	SFRCRROW	SFRCWROW	SFRCYROW
White	SFRCBKRW	SFRCBRW	SFRCGNRW	SFRCORRW	SFRCRRW	SFRCWRW	SFRCYRW















RCA Connectors, Pass-Thru, Gold, Female to Female Coupler

	Insulator Color						
Housing Color	Black	Blue	Green	Orange	Red	White	Yellow
Black	SFRCBKFFBK	SFRCBFFBK	SFRCGNFFBK	SFRCORFFBK	SFRCRFFBK	SFRCWFFBK	SFRCYFFBK
Gray	SFRCBKFFGY	SFRCBFFGY	SFRCGNFFGY	SFRCORFFGY	SFRCRFFGY	SFRCWFFGY	SFRCYFFGY
lvory	SFRCBKFFEI	SFRCBFFEI	SFRCGNFFEI	SFRCORFFEI	SFRCRFFEI	SFRCWFFEI	SFRCYFFEI
Office White	SFRCBKFF	SFRCBFFOW	SFRCGNFFOW	SFRCORFFOW	SFRCRFF	SFRCWFF	SFRCYFF
White	SFRCBKFFW	SFRCBFFW	SFRCGNFFW	SFRCORFFW	SFRCRFFW	SFRCWFFW	SFRCYFFW



Audio Connections









3.5mm Stereo Jacks

Color	3.5mm to Solder	3.5mm to Screw Terminal	3.5mm Pass-Thru, F/F Coupler	3.5mm Pass-Thru, Gold, F/F Coupler	
Black	SF35SJBK	SF35STBK	SF35FFBK	SF35GFFBK	
Gray	SF35SJGY	SF35STGY	SF35FFGY	SF35GFFGY	
lvory	SF35SJEI	SF35STEI	SF35FFEI	SF35GFFEI	
Office White	SF35SJ	SF35STOW	SF35FFOW	SF35GFFOW	
White	SF35SJW	SF35STW	SF35FFW	SF35GFFW	



1/4" Stereo Jack

Solder	
Color	Catalog Number
Black	SF14SJBK
Gray	SF14SJGY
lvory	SF14SJEI
Office White	SF14SJOW
White	SF14SJW



BNC Connectors

Color	Nickel Finish	Gold Finish
Black	SFBBK	SFBGBK
Gray	SFBGY	SFBGGY
lvory	SFBEI	SFBGEI
Light Almond	SFBLA	SFBGLA
Office White	SFBOW	SFBGOW
White	SFBW	SFBGW





Speaker Post Connectors

Screw termination, gold			
Color	Black	Red	
Black	SFSPGBKBK	SFSPGRBK	
Gray	SFSPGBKGY	SFSPGRGY	
lvory	SFSPGBKEI	SFSPGREI	
Office White	SFSPGBK	SFSPGR	
White	SFSPGBKW	SFSPGRW	

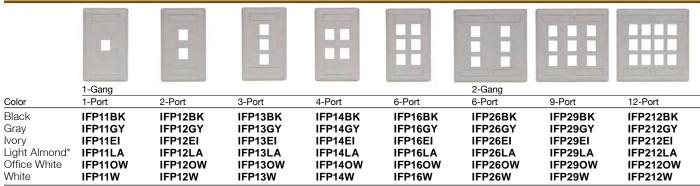




Speaker Banana Plugs

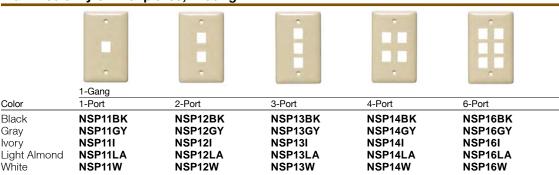
Hubbell iSTATION Wallplates

IFP Wallplates with Label Fields, 1 and 2-Gang

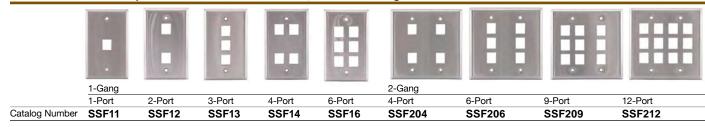


Note: *Light Almond wallplates match Office White non-metallic raceway, boxes, jacks and connectors.

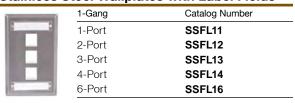
Multimedia Nylon Wallplates, 1-Gang



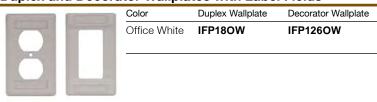
Stainless Steel Wallplates without Label Fields, 1 and 2-Gang



Stainless Steel Wallplates with Label Fields



Duplex and Decorator Wallplates with Label Fields



Stainless Steel Wall Mount Phone Plates, 1-Gang

630 Stainless steel, 1-gang wall phone plate. Jack Format Includes Gray Jack Catalog Number Flush 6-position USOC, RJ25 **SPUF** Flush 8-position Cat. 5e, RJ45 SP5EF Flush 8-position Cat. 6, RJ45 SP6F Recessed 6-position USOC, RJ25 **SPUR** Recessed 8-position Cat. 5e, RJ45 SP5ER Recessed 8-position Cat. 6, RJ45 SP6R

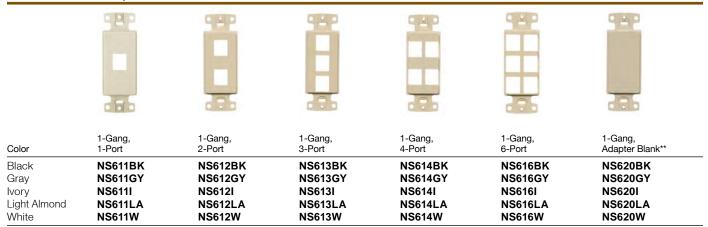
Opening Hole size for mounting all Hubbell Jacks.

SPUR

SPUF

Hubbell iSTATION Outlet Frames and Secure-IT Plates

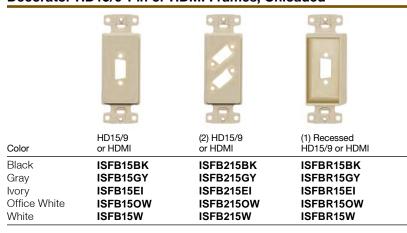
Decorator Frames, Unloaded



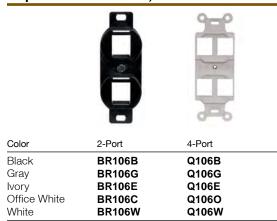
Note: *For use with rotary dimmers or to pull through AV or telephone cable.

**To fill an extra decorator opening or to create customized openings.

Decorator HD15/9-Pin or HDMI Frames, Unloaded



Duplex Outlet Frames, Unloaded



Secure-IT Plates





Secure-IT Plates protect mated and unmated connections from physical damage and unauthorized tampering. Available in Tamper-Resistant and Weatherproof versions.



Tamper-Resistant Plates

Color	1-Gang/4-Port
Black	TPF1BK
Gray	TPF1GY
Office White	TPF1OW
White	TPF1W



NEMA 3R Weatherproof Plates

Color	1-Gang/4-Port
Gray	TWPF1GY

TWPF1GY TPF1W

AV 110 Everywhere™ Analog AV Over UTP

Tamper-Resistant Receptacle with 5V DC Power Output

Description	Color	Catalog Number
USB charger	Black	AVPS15BK
TR receptacle,	lvory	AVPS15I
(1) USB port 3A,	Gray	AVPS15GY
switched 5V DC output,	Office White	AVPS15LA
15A, 125V AC	White	AVPS15W
decorator duplex		







Description	Color	1.5 Unit Module
4-pair UTP cable	Black	IMU11015BK
installation, up to	lvory	IMU11015EI
100ft (305m)	Gray	IMU11015GY
	Office White	IMU11015OW
	White	IMU11015W

USB 2.0 High Speed 110 Extenders, 100ft

Note: Product consists of send and receive pair.

HDMI 1080P 110 UTP Extenders

(2) 4-pair UTP cable installation, 5V DC, up to 147ft (45m)			
Color	Decorator	2 Unit Module	
Black	ISFH110BK	IMH110ST2BK	
lvory	ISFH110EI	IMH110ST2EI	
Gray	ISFH110GY	IMH110ST2GY	
Office White	ISFH110OW	IMH110ST2OW	
White	ISFH110W	IMH110ST2W	

Note: Product consists of send and receive pair.









VGA and 3.5mm HD AV Extender

Extend up to 75ft	Extend up to 75ft (23m) over two 4-pair UTP cables, 1.5 unit		
Color	Catalog Number		
Black	IM15311015BK		
Gray	IM15311015GY		
lvory	IM15311015EI		
Office White	IM15311015OW		
White	IM15311015W		

Note: Product consists of send and receive pair.

RCA Component with Audio 110 Audio/Video Modules

Extend up to 75ft (23m) over (2) 4-pair UTP cables, 1.5 unit			
Color	RCA Component Video, Left/Right Audio	RCA Component Video, 3.5mm Audio	
Black	IMCAR11015BK	IMC3511015BK	
Gray	IMCAR11015GY	IMC3511015GY	
lvory	IMCAR11015EI	IMC3511015EI	
Office White	IMCAR11015OW	IMC3511015OW	
White	IMCAR11015W	IMC3511015W	







RCA 110 Audio/Video Modules

Extend up to 100ft (30.5m) over (1) 4-pair UTP cables, 1 unit		
	75ft (23m) max.	
Color	RCA Component Video, HD	
Black	IMCR1101BK	
Gray	IMCR1101GY	
lvory	IMCR1101EI	
Office White	IMCR1101OW	
White	IMCR1101W	

100ft (30.5m) max.	
RCA Composite Video, Left/Right Audio	RCA Left/Right Audio
IMR1101BK	IMAR1101BK
IMR1101GY	IMAR1101GY
IMR1101EI	IMAR1101EI
IMR1101OW	IMAR1101OW
IMR1101W	IMAR1101W



AV Modules









Solder Audio/Video Modules

	1.5 Unit	1 Unit		
Color	RCA Component Video with Left/Right Audio or RGBHV	RCA Component Video	RCA Composite Video with Left/Right Audio	RCA Composite Video, 3.5mm Stereo Audio Jack
Black	IMCRS15BK	IMCRS1BK	IM3RS1BK	IMRSJ1BK
Gray	IMCRS15GY	IMCRS1GY	IM3RS1GY	IMRSJ1GY
vory	IMCRS15EI	IMCRS1EI	IM3RS1EI	IMRSJ1EI
Office White	IMCRS15OW	IMCRS1OW	IM3RS1OW	IMRSJ1OW
White	IMCRS15W	IMCRS1W	IM3RS1W	IMRSJ1W









Gold Pass-Through Audio/Video Modules

Female to femal	Female to female coupler, 1 unit			Speaker post
Color	RCA Component Video	RCA Composite Video with Left/Right Audio	RCA Left/Right Audio with 3.5mm Stereo Audio Jack	Black and Red, Screw Termination
Black	IMCRF1BK	IM3RF1BK	IM35AR1BK	IMSP1BK
Gray	IMCRF1GY	IM3RF1GY	IM35AR1GY	IMSP1GY
lvory	IMCRF1EI	IM3RF1EI	IM35AR1EI	IMSP1EI
Office White	IMCRF1OW	IM3RF1OW	IM35AR1OW	IMSP10W
White	IMCRF1W	IM3RF1W	IM35AR1W	IMSP1W





Speaker Banana Plugs

10-pack	SPPBK10	SPPR10				
	Black	Red				
Screw termina	Screw termination, gold					



Wallplate Frames, Delivery Bezels, Modules and Gangable AV Wallboxes









Hubbell iSTATION Modular Wallplate Frames

Single-service,	low voltage				
Color	1-Gang	2-Gang	3-Gang	4-Gang	
Black	IMF1BK	IMF2BK	IMF3BK	IMF4BK	
Gray	IMF1GY	IMF2GY	IMF3GY	IMF4GY	
lvory	IMF1EI	IMF2EI	IMF3EI	IMF4EI	
Office White	IMF1OW	IMF2OW	IMF3OW	IMF4OW	
White	IMF1W	IMF2W	IMF3W	IMF4W	
Multi-service, p	ower and low voltage				
Color	1-Gang Decorator 1-Gang iSTATION	2-Gang Decorator	1-Gang Decorator 2-Gang iSTATION	1-Gang Decorator 3-Gang iSTATION	2-Gang Decorator 2-Gang iSTATION
Black	IMFP1D1BK	IMFP2BK	IMFP1D2BK	IMFP1D3BK	IMFP2D2BK
Gray	IMFP1D1GY	IMFP2GY	IMFP1D2GY	IMFP1D3GY	IMFP2D2GY
lvory	IMFP1D1EI	IMFP2EI	IMFP1D2EI	IMFP1D3EI	IMFP2D2EI
Office White	IMFP1D1OW	IMFP2OW	IMFP1D2OW	IMFP1D3OW	IMFP2D2OW
White	IMFP1D1W	IMFP2W	IMFP1D2W	IMFP1D3W	IMFP2D2W

Hubbell iSTATION Stainless Steel Plates

1-Gang	2-Gang	3-Gang	4-Gang
IMSS1	IMSS2	IMSS3	IMSS4



Delivery Bezels and Modules

Color	Raceway Bezel	Hubbell iSTATION Bezel for Third-Party Raceway	Furniture Boxes
Black	_	_	HBLIMFBK
Gray	KPIMBZGY	HWAPLGY	HBLIMFGY
lvory	_	_	HBLIMFI
Office White	KPIMBZOW	HWAPLOW	_
White	-	HWAPLW	HBLIMFWA

Third-Party Raceway Modules

Unloaded, 2	-port, 10-pack
Color	Catalog Number
Black	HWM2KBK10
Gray	HWM2KGY10
lvory*	HWM2KI10
White	HWM2KW10

Note: *Equivalent to Hubbell Office White.

Two and Three Gangable AV Wallboxes

Box	Dimensions	Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
2-Gang, 2" KO, 54in ³ capacity	H: 4.21" W: 4.06" D: 4.0"	(2) ½" (2) ½" – ¾" TKO*	(1) 1", 1¼", 1½" & 2"	(2) ½" – ¾" TKO	HBL985
3-Gang, 2" KO, 79in ³ capacity	H: 4.21" W: 5.87" D: 4.0"	(3) ½" (3) ½" – ¾" TKO*	(1) ½" (1) ½" – ¾" TKO* (1) 1", 1¼", 1½" & 2"	(3) ½" – ¾" TKO	HBL986



Note: *TKO (Tangential Knockout).

Low Voltage AV Wallbox Partitions

Compatible With	Description	Quantity	Catalog Number
HBL985 and HBL986	Solid divider	1	HBL989
	With pass-thru capability	1	HBL989AVD



Modules and Frames



HD15/9-Pin or HDMI Modules

	1 Unit	1.5 Unit		2 Unit
Color	HD15/9-Pin or HDMI	Angled, HD15/9-Pin or HDMI	HD15/9-Pin or HDMI with 3.5mm Stereo Jack*	HD15/9-Pin or HDMI with 3.5mm SJ+AV Conn
Black Gray Ivory Office White White	IMBDS1BK IMBDS1GY IMBDS1EI IMBDS1OW IMBDS1W	IMBDSA15BK IMBDSA15GY IMBDSA15EI IMBDSA15OW IMBDSA15W	IMB15315BK IMB15315GY IMB15315EI IMB15315OW IMB15315W	IMB153X2BK IMB153X2GY IMB153X2EI IMB153X2OW IMB153X2W

Note: *Screw termination or solder.

DVI Modules

DVI Blank, Unloaded, 1.5 Unit				
Color	1-Pack	10-Pack		
Black	IMBDVI15BK	IMBDVI1015BK		
Gray	IMBDVI15GY	IMBDVI1015GY		
lvory	IMBDVI15EI	IMBDVI1015EI		
Light Almond	IMBDVI15LA	IMBDVI1015LA		
Office White	IMBDVI15OW	IMBDVI1015OW		
White	IMBDVI15W	IMBDVI1015W		













Modules

	1 Unit		1.5 Unit			
Color	Flat, 1-Port	Flat, 2-Port	Angled, 1-Port	Angled, 2-Port	Recessed, Angled, 1-Port	Recessed, Angled, 2-Port
Black Gray Ivory Office White White	IM1K1BK IM1K1GY IM1K1EI IM1K1OW IM1K1W	IM2K1BK IM2K1GY IM2K1EI IM2K1OW IM2K1W	IM1KA15BK IM1KA15GY IM1KA15EI IM1KA15OW IM1KA15W	IM2KA15BK IM2KA15GY IM2KA15EI IM2KA15OW IM2KA15W	IM1IA15BK IM1IA15GY IM1IA15EI IM1IA15OW IM1IA15W	IM2IA15BK IM2IA15GY IM2IA15EI IM2IA15OW IM2IA15W











Blank Modules

Color	0.5 Unit	1 Unit	1.5 Unit
Black	IMB05BK	IMB1BK	IMB15BK
Gray	IMB05GY	IMB1GY	IMB15GY
lvory	IMB05EI	IMB1EI	IMB15EI
Office White	IMB05OW	IMB1OW	IMB15OW
White	IMB05W	IMB1W	IMB15W

SC Angled Modules

1.5 Unit, 1 Duplex	2 Unit, 2 Duplex
IM1SCA15BK	IM2SCA2BK
IM1SCA15GY	IM2SCA2GY
IM1SCA15EI IM1SCA15OW	IM2SCA2EI IM2SCA2OW
IM1SCA150W	IM2SCA2OW

Hubbell iSTATION Audio/Video Modules

XLR, speakON® and ¼ inch modules applications include video distribution, desktop and laptop computers, monitors, cameras, microphones and projectors, home theater and entertainment. Note: Order IMAVB15 series blank modules with AV connectors for Hubbell iSTATION applications.





XLRST10









AV Blank 1.5 Unit, 10-Pack

nk 1.5 Unit, XLR Screw Terminal, k 10-Pack

minal, XLR Solder-Type, 10-Pack XLR10

er-Type, speakON[®] Conn. Solder-Type, 10-Pack

SC10

USB Feed-Thru A-to-B, 10-Pack

USB₁₀

1/4" Stereo Jack Solder-Type, 10-Pack

14S10

 Color
 10-Pack

 Black
 IMAVB15BK

 Gray
 IMAVB15GY

 Ivory
 IMAVB15EI

 Office White
 IMAVB15OW

 White
 IMAVB15W

Note: *Not UL Listed.

speakON® is a registered trademark of Neutrik® AG.



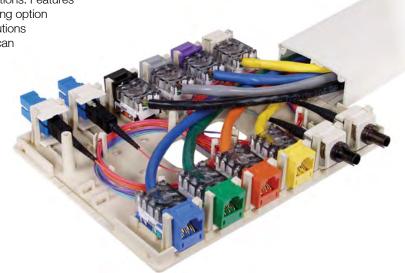
Hubbell iSTATION Surface Mount Boxes

Ideal for open office MUTOA cabling, compact surface mount environments and retrofits to support data, voice and multimedia applications. Features adjustable furniture latches to provide an additional mounting option to common ANSI/TIA standard furniture openings and solutions requiring fiber. Box bases feature fiber storage posts that can store one meter fiber cable after termination.

Can be mounted with supplied surface mounting screws or double-sided adhesive tape and mounted to NEMA electric boxes or relay racks.

Features

- Low-profile design
- Accepts XJ jacks, audio video and fiber connectors
- Provided with double-sided tape and mounting screws for easy installation
- UL and cULus listed
- Constructed with a high-impact resistant, flame-retardant polymer
- ANSI/TIA-606B compliant













HSB Surface Mount Boxes

Color	1-Port	2-Port	4-Port	6-Port	12-Port
Black	HSB1BK	HSB2BK	HSB4BK	HSB6BK	HSB12BK
lvory	HSB1EI	HSB2EI	HSB4EI	HSB6EI	HSB12EI
Gray	HSB1GY	HSB2GY	HSB4GY	HSB6GY	HSB12GY
Office White	HSB1OW	HSB2OW	HSB4OW	HSB6OW	HSB12OW
White	HSB1W	HSB2W	HSB4W	HSB6W	HSB12W

UL Plenum Rated HSB Surface Mount Boxes

Color	1-Port	2-Port
Black	HSB1BKP	HSB2BKP
lvory	HSB1EIP	HSB2EIP
Gray	HSB1GYP	HSB2GYP
Office White	HSB10WP	HSB2OWP
White	HSB1WP	HSB2WP

Note: HSB surface mount boxes are not compatible with SJ shielded jacks.



Non-Metallic Raceway Compatibility Chart

Series	PP	PL	PW	PB
HSB1	✓			✓*
HSB2	✓			√ *
HSB4	✓	1	✓	√ *
HSB6	✓	✓	✓	√ *
HSB12	✓	1	✓	√ *

Note: *Use PB3REDA transition fitting.

See section T for Raceway product information.

PP1 = PREMISETRAK Latching Raceway PL1 = LANTRAK® Latching Raceway

PW2= WALLTRAK® Latching Raceway

PB2 = BASETRAK® Non-Latching Raceway PB3 = BASETRAK Non-Latching Raceway

PS3 = SUPER BASETRAK® Non-Latching Raceway



Universal Patch Panels and Wall Mount Brackets



















Consolidation Point Block, Category 6 and Category 5e

Description	Catalog Number
Category 6, 12-Port, Universal, 89D.	HP612
Category 5e, 12-Port, Universal, 89D.	HP5E12

Universal Patch Panel, Category 5e

Description	Catalog Number
24-Port, 1.75" H.	HP5E24
48-Port, 3.50" H.	HP5E48
96-Port, 7.0" H.	HP5E96

Universal Patch Panel, Category 6

Description	Catalog Number
24-Port, 1.75" H.	HP624
48-Port, 3.50" H.	HP648
96-Port, 7.0" H.	HP696

Jack Panel, Unloaded

Description	Catalog Number
Wall Mount, 12-Port, Black.	HPJ1289
Rack Mount, 24-Port, 1.75" H, Black.	NSPJ24
Rack Mount, 48-Port, 3.5" H, Black.	NSPJ48

Rear Cable Management Bar*

Description	Catalog Number
Screws to the rear flange of a 19-inch rack.	CMBR
HPW panel mount.	HPRCMB

Note: *Not UL Listed.

Wall Mount Brackets, Bottom-Hinged

Includes assembled bottom-hinged wall bracket.					
Rack Units	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Catalog Number	
1	19" (483)	4" (102)	1.75" (45)	HPWWB1U4	
2	19" (483)	4" (102)	3.50" (89)	HPWWB2U4	
		8" (203)	3.50" (89)	HPWWB2U8	
4	19" (483)	4" (102)	7.00" (178)	HPWWB4U4	
		8" (203)	7.00" (178)	HPWWB4U8	
6	19" (483)	4" (102)	10.50" (267)	HPWWB6U4	
		8" (203)	10.50" (267)	HPWWB6U8	
		18" (457)	10.50" (267)	HPWWB6U18	

Wall Mount Brackets, Side-Hinged

Includes as	Includes assembled side-hinged wall bracket.					
Rack Units	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Catalog Number		
2	19" (483)	4" 102)	3.50" (89)	BRMCCMB19X35X4		
4	19" (483)	4" (102)	7.00" (178)	BRMCCMB19X7X4		
2	19" (483)	8" (203)	3.50" (89)	BRMCCMB19X35X8		
4	19" (483)	8" (203)	7.00" (178)	BRMCCMB19X7X8		

Features and Benefits

NSC Patch Cords

- Conductor: #24 AWG UTP
- Jacket: Flame-Retardant PVC-CM Rated
- Plug Body: Polycarbonate UL 94V-0
- Plug Boot: PVC
- Contact Plating: 50 micro-inch Gold





Housing Design

- Category 6 performance
- Slim snagless boot for high density ports
- PoE ready



Performance, Mechanical

- Cable to plug tensile strength: 20+ lbs.
- Mating cycles: 2000+

NSC Patch Cords, Category 6

Length	Color					
(ft)	Black	Blue	Gray	White		
1'	NSC6BK01	NSC6B01	NSC6GY01	NSC6W01		
3'	NSC6BK03	NSC6B03	NSC6GY03	NSC6W03		
5'	NSC6BK05	NSC6B05	NSC6GY05	NSC6W05		
7'	NSC6BK07	NSC6B07	NSC6GY07	NSC6W07		
10'	NSC6BK10	NSC6B10	NSC6GY10	NSC6W10		
15'	NSC6BK15	NSC6B15	NSC6GY15	NSC6W15		



NSC Patch Cords, Category 5e

Length	Color					
(ft)	Black	Blue	Gray	White		
1'	NSC5EBK01	NSC5EB01	NSC5EGY01	NSC5EW01		
3'	NSC5EBK03	NSC5EB03	NSC5EGY03	NSC5EW03		
5'	NSC5EBK05	NSC5EB05	NSC5EGY05	NSC5EW05		
7'	NSC5EBK07	NSC5EB07	NSC5EGY07	NSC5EW07		
10'	NSC5EBK10	NSC5EB10	NSC5EGY10	NSC5EW10		
15'	NSC5EBK15	NSC5EB15	NSC5EGY15	NSC5EW15		





Features and Benefits

AV In-Wall Enclosure

Hubbell's netSELECT® Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- 18 Gauge white powder coated rugged steel base
- 2 and 4-gang enclosure with two 1½ and 1¼ inch KOs
- Optional screw on cover reduces tampering
- cULus 1863 Listed





Box Design

- Flush against walls installation
- Sheet metal base white powder coat finish
- Accepts standard electrical boxes
- Integrated cable management



Mounting

- Multiple device mounting options
- 11/2" And 11/4" conduit knockouts
- Easily mounts to studs or sheetrock
- Easily replaceable receptacle
- Trim ring covers rough-in



FPTV Connection Enclosure

Height	Width	Depth		
Inches (mm)	Inches (mm)	Inches (mm)	Color	Catalog Number
8.16" (207)	7.92" (201)	3.37" (86)	White	NSAV62M
14.80" (376)	7.92" (201)	3.37" (86)	White	NSAV124M
7.2" (183)	7.2" (183)	0.05" (1)	White	NSAV6C
13.80" (351)	7.2" (183)	0.05" (1)	White	NSAV12C
				NSAV6BW
				NSAV6NW
	Inches (mm) 8.16" (207) 14.80" (376) 7.2" (183)	Inches (mm) Inches (mm) 8.16" (207) 7.92" (201) 14.80" (376) 7.92" (201) 7.2" (183) 7.2" (183)	Inches (mm) Inches (mm) Inches (mm) 8.16" (207) 7.92" (201) 3.37" (86) 14.80" (376) 7.92" (201) 3.37" (86) 7.2" (183) 7.2" (183) 0.05" (1)	Inches (mm) Inches (mm) Color 8.16" (207) 7.92" (201) 3.37" (86) White 14.80" (376) 7.92" (201) 3.37" (86) White 7.2" (183) 7.2" (183) 0.05" (1) White

Accessories

Accessories		
Power Kits		
Description	Color	Catalog Number
Standard power kit.	White	NSOKPTR
Surge protected power kit.	Blue	NSOKPS
Unloaded Wallplates and Frames		
1-gang blank wallplate.	White	P14W
1-gang decorator wallplate.	White	P26W
1-gang Hubbell iSTATION wallplate.	White	IMF1W
1-gang 4-port wallplate.	White	NSP14W
AV Connectors and Wallplates		
1-port HDMI frame.	White	NS801W
2-port HDMI frame.	White	NS802W



NSJ6W

NP26W

HDMI snap fit.

F-connector snap fit.

USB A-to-B snap fit.

Cat 6 snap fit jack.

SFHC14W

NSF70W

NSJ6W

SFUSBABW

White

White

White

White

HDMI Products

AV Ceiling Enclosure

The AV Ceiling Enclosure is designed to work with active AV devices to integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. An additional AV/data kit can be added or customized to address all connector, mounting and patching needs, reducing multiple pieces on site.

- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation



Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
AV Ceiling Enclosure	12" (305)	24" (610)	8" (203)	White	AVCE1H

Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.

HDMI Decorator Frames

netSELECT® HDMI Decorator Frames deliver uncompromising digital audio and video wherever you need it. Unleash the full potential of your high definition display and audio installations.

- Third party tested for 1080p resolutions
- UL Listed Communications Circuit Accessory and CSA Certified





Frame Design

- High impact thermoplastic frame
- Connector flush to frame face



Connector

- Thumbscrew prevents accidental disconnection only when used with Hubbell's HDMI patch cords
- Connector sized to fit 1 inch conduit
- 4 inch flexible extension reduces bend radius issues in confined spaces

HDMI Products

Description	Color	1-Gang, 1-Port	1-Gang, 2-Port
HDMI,	Black	NS801BK	NS802BK
Decorator Frame,	Gray	NS801GY	NS802GY
Female to Female	lvory Light Almond	NS801I NS801LA	NS802I NS802LA
	White	NS801W	NS802W



HDMI Patch Cords, #24 AWG

	0.1.)#	- 111	W. T.
Length	HDMI Device Patch Cords	Length	Horizontal Cords (Connector to Connector)
3 ft. 6 ft.	HDPC03BK HDPC06BK	10 ft. 15 ft. 20 ft. 25 ft. 30 ft.	HDH10BK HDH15BK HDH20BK HDH25BK HDH30BK

Note: Black and Non-Plenum only.



Advantages and Wiring Layout

Connect Your Home to Internet, Voice and Video Services

netSELECT® is an innovative network solution that's perfect for any home or small office. Specifically positioned as the voice/data segment for the Residential brand, the netSELECT® System satisfies the need for a dependable, flexible system that can accommodate all of today's fast-changing voice, data and video requirements.

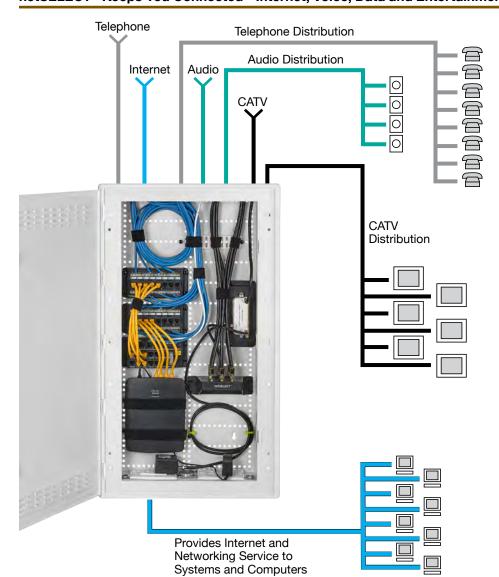
This cost-effective solution incorporates all the quality you'd expect from Hubbell. Built-in flexibility makes it easy to upgrade and keep pace with evolving technologies.

- Share single analog, cable or DSL internet connection
- Local file access
- Shared peripherals
- Multiple telephone distribution
- Call handling (PBX)
- Video distribution
- Play games that allow multi-users
- Control home automation systems

Specifications

- Material: high-impact thermoplastic to minimize WiFi degradation
- Finish: White, satin finish
- UL and cULus Listed

Today's Communications Entail A Lot More Than Just Talking. netSELECT® Keeps You Connected—Internet, Voice, Data and Entertainment





Flexibility

• Hinged door can be mounted to swing from either side



Options

 Horizontal and vertical module mounting holes for maximum flexibility



Installation

 Additional nylon push pins provided to assist module mounting



Network Enclosures

Features

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance (except NSOBOX48)
- Horizontal and vertical module mounting holes for maximum flexibility
- Unique 89D bracket mounting holes allow easy mounting of 66 blocks and peripherals
- Provisions to mount optional duplex power and lock kit available
- Integral cable management slots and tie-wraps provided to help dress cable runs
- Additional nylon push pins provided to assist module mounting
- Material: 20-18 gauge steel
- Finish: white, powder coat
- cULus Listed 1863





Box Only





Hinged Vented Door

14-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
With hinged vented door	16.2" (412)	17.5" (445)	4.35" (111)	5	NSOBXP14
14" height box only	13.5" (343)	17.1" (434)	3.95" (100)	5	NSOBXP14B
Hinged vented door	16.2" (412)	17.5" (445)	0.4" (10)	_	NSOBXP14D



28-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
With hinged vented door	30" (762)	17.5" (445)	4.35" (111)	11	NSOBXP28
28" height box only	27.7" (704)	17.1" (434)	3.95" (100)	11	NSOBXP28B
Hinged vented door	30" (762)	17.5" (445)	0.4" (10)	_	NSOBXP28D



42-Inch Network Enclosure

	Height	Width	Depth	Module Unit	
Description	Inches (mm)	Inches (mm)	Inches (mm)	Capacity	Catalog Number
With hinged, vented, 2-piece door	45.1" (1146)	17.5" (445)	4.35" (111)	16	NSOBXP42
42" height box only	42.6" (1082)	17.1" (434)	3.95" (100)	16	NSOBXP42B
Hinged vented door (2-piece)	45.1" (1146)	17.5" (445)	0.4" (10)	-	NSOBXP42D





Network Modules

Features

netSELECT® Modular Components enable the designer to select performance requirements specifically for the application. Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage.

- Dimensions: 6.47 in. W x 2.95 in. H, except NSOMTM24 6.47 in. W x 6.00 in. H
- Meets FCC Part 68 standard
- Material: High impact plastic
- cULus Listed 1863
- All data and phone modules 568A wired



Combination Modules

Description	Units	Catalog Number
6-port telephone panel and 6-port coaxial splitter with optional 6-port Category 5e panel provides voice, video, and data distribution in a space efficient package perfect for use with NSOBOX10 and NS790xx plates to quickly establish a comprehensive home network.	;	
6-port telephone and video	3	NSOTVM6
6-port telephone, video and Category 5e	3	NSOTVDM6
6-port Category 5e data upgrade kit	3	NSODK6



Primary Telephone Module

Description	Units	Catalog Number
8-port phone outlets with up to (4) incoming lines for voice, fax or modem applications in a protected PCB module; pre-mounted push pins snap the module quickly into place; RJ31X interface jack included for security system connection; RJ45 jack interfaces with optional NSOETM8 telephone expansion module for additional extensions.	1	NSOPTM8



NSOETM8

Expansion Telephone Module

Description	Units	Catalog Number
8-port adds an additional (8) phone outlets with up to (4) incoming lines when used with the primary telephone module; pre-mounted push pins snap the module quickly into place; includes RJ45 jumper cord to connect with	1	NSOETM8
NSOPTM8 primary telephone module.		



NSODM8

Data Modules

Description	Units	Catalog Number
Category 5e data module, 8-port supports Gigabit Ethernet for up to (8) Category 5e data lines with front 110 punch-down terminations in a protected PCB module; pre-mounted push pins snap the module quickly into place.	1	NSODM8
Category 6 data module, 8-port supports enhanced transmission speeds beyond Gigabit Ethernet; future-proof for tomorrow's applications.	1	NSODM8C6



Patchable Telecom Module

Description	Units	Catalog Number
Terminates lines via modular plug to accommodate flexibility, by changing plug locations; reconfigure where phone lines go at the panel level; allows data lines to be converted to voice, with the move of a patch cord; includes nine RJ45 jumper cords.	2	NSOMTM24



Multi-Provider Patchable Telcom Module

Description	Units	Catalog Number
12-port telephone module distributes 4 incoming lines out to 12 locations through RJ-45 jacks; allows data lines to be converted to voice with the move of a patch cord; RJ31X interface jack is included for security system connection.	1	NSOMTM12



Audio/Video Modules

Features

netSELECT® Video Modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas. Pre-mounted push pins snap the module quickly into place.

- Dimensions for VAMP, AM8 and BM: 6.47 in. W x 2.95 in. H
- Dimensions for video splitters: 6.47 in. W x 2.09 in. H x 3.20 in. D
- Material: High impact plastic
- cULus Listed 1863

4-Way Coaxial Splitter Modules

Units	Catalog Number
1	NSOVM4
1	NSOVM42G
	Units 1



6-Way Coaxial Splitter Modules

One incoming line, six outgoing.		
Description	Units	Catalog Number
1GHz, basic unit	1	NSOVM6
2.3GHz, enhanced capability	1	NSOVM62G



NSOVM6

8-Way Coaxial Splitter Modules

Units	Catalog Number
1	NSOVM8
1	NSOVM82G
	1



Fixed Video Amplifier Module

120 Volt rated				
Description	Units	Catalog Number		
Provides 10dB video signal amplification for incoming cable feeds recommended for use when more than four outputs are installed or when signal level is low; provides 10dB forward path gain and supports current digital cable systems and modems with a passive return; pre-mounted push pins snap the module quickly into place; includes RG-59 cable jumper to connect amplifier to passive video splitter.	1	NSOVAMP		



Eight Room Audio Module

Description	Units	Catalog Number
Distributes audio from an amplifier to matching volume controllers; supports up to eight rooms of audio; power handling – 200W RMS@20° C; requires impedance matching volume controls (see page Y-24).	1	NSOAM8



Blank Module Bracket

Description	Units	Catalog Number
Allows mounting of active components (i.e. switches, routers) or other devices onto a modular platform; (2) VELCRO® brand fasteners included to mount components onto module; pre-mounted push pins snap the module quickly into place; 2-pack	1	NSOBM2



VELCRO® is a registered trademark of Velcro Industries B.V.



Accessories

Features

netSELECT® Accessories enhance system capabilities. Volume controls expand home audio applications. Cabinet mounted receptacle kits provide convenience power to the enclosure.

- Audio controls available in slide or rotary
- Receptacles available in surge and standard kits



NSOSAVC



NSORAVC



NSOKPS









Description	Color	Catalog Number
Slide Audio Volume Controller, Decorator Styling, Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white slides and frames.	lvory/White	NSOSAVC
Rotary Audio Volume Controller Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white knobs and frames.	lvory/White	NSORAVC
Standard Power Kit, Includes tamper-resistant duplex receptacle 15A 125V NEMA 5-15R, electrical steel box and wallplate.		NSOKPTR

Surge Suppression Power Kit, Includes surge receptacle 15A 125V NEMA 5-15R, 240 Joules/15,000A protection per mode, electrical steel box and wallplate.	NSOKPS
Chromed Steel Lock Kit,	FLOCK1

Panel Bracket Adapter,
For use with Adapter Panels shown below, and FSP series

F-Connector Adapter Panel, FSPFP6X

Jacks Adapter Panel,
with Six Blank Openings for jacks and snap fits.

FSPHD6X

Eliminates unwanted tampering.

with Six Populated Coaxial Connectors.

modules. Snap mounts into structured cabling enclosures.



Molded-In Voice/Data/Video

Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- cULus Listed 1863 Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data









Decorator Frame,
One RJ11 Jack,
6-Position,
Description 4-Conductor

Color Screw Terminations

Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor

Screw Terminations

Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor

Screw Terminations

Decorator Frame, One Cat. 5e 110 Punch-Down, One RJ11 Jack, 6-Position, 4-Conductor

— NS771 — NS771I NS771LA NS771W ----NS772I NS772LA NS772W 110 Punch-Down/Screw Terminations

NS784BK
NS7844
NS784GY
NS784I
NS784LA
NS784W

Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data





Decorator Frame,

One RJ11 Jack,



Decorator Frame,
Single F-Type
Coupler Bulkhead,
Description Female to Female

Color Screw Terminations

6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female Screw Terminations Decorator Frame, One Cat. 5e 110 Punch-Down, One F-Type Coupler Bulkhead, Female to Female 110 Punch-Down Terminations

 Black
 —

 Brown
 —

 Gray
 —

 Ivory
 —

 Light Almond
 N\$780LA

 White
 N\$780W

__ __ NS783LA NS783W NS785BK NS785 NS785GY — NS785LA

NS785W



Molded-In Plates

Features

Description

Color

Ivory

Designed for voice, these devices provide an economical alternative to wall phone outlet placement.

- High impact-resistant thermoplastic wallplate
- Convenient screw down terminals
- Meets FCC part 68
- cULus Listed 1863 Communication Circuit Accessory and CSA Certified

Molded-In Plates for Voice













1-Gang Plate, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations

1-Gang Plate, One RJ11 Jack, 6-Position, 6-Conductor, Screw Terminations

1-Gang Plate, Duplex RJ11 Jacks, 6-Position, 4-Conductor, Screw Terminations

Color	Standard	Mid-Size	Standard	Standard	Mid-Size
Brown	NS730	_	NS732	_	_
lvory	NS730I	NS735I	NS732I	NS744I	NS745I
Light Almond	NS730LA	NS735LA	NS732LA	_	_
White	NS730W	NS735W	NS732W	NS744W	NS745W

Molded-In Plates for Voice and CATV/Satellite





NS755I



Standard

NS747I

NS747LA

NS747W







Mid-Size

NS751I

NS751LA

NS751W





1-Gang Plate, Description

NS748I

One F-Type Cou Female to Fema One RJ11 Jack, 6-Position, 6-Co	le,
0-F 05ition, 0-00	niductor
Standard	Mid-Size

	-
1-Gang Plate,	
One F-Type Cou	ıpler
Bulkhead, Fema	le to Female.
One RJ11 Jack,	
6-Position, 4-Co	nductor

1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female

Standard

NS750I

NS750LA

NS750W

1-Gang Plate, Duplex F-Type Coupler Bulkhead, Female to Female

Standard

NS752I

NS752W

Light Almond	NS748LA	NS755LA	
White	NS748W	NS755W	



Description	1-Gang Plate, One Cat. 5e 110 Punch-Down One RJ11 Jack, 6-Position, 4-Conductor One F-Type Coupler Bulkhead, Female to Female
Color	Standard
Black	NS790BK
Brown	NS790
Gray	NS790GY
lvory	NS790I
Light Almond	NS790LA
White	NS790W



Telephone Wall Jacks

Features

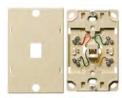
Designed for voice applications, these jacks provide an economical alternative to basic wall mount and performance needs.

- Available in high impact-resistant thermoplastic or stainless steel
- Meets FCC part 68

Description

 cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

Telephone Wall Jacks



Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations

vory	NS722I
White	NS722W



Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations

Stainless Steel NS726SS

Features

Description

Description

Telephone surface mount jacks are available in 4 or 6-conductor configurations for voice. Alternatively, multimedia surface mount boxes can be custom loaded for computer and media use.

- High impact-resistant thermoplastic
- Mounts using screws or double sided tape (both included)
- Meets FCC part 68
- UL Listed 1863 Communication Circuit Accessory and CSA Certified

Telephone Surface Mount Jacks



Telephone Surface Mount Jack, 6-Position, 4-Conductor, Screw Terminations

 Black
 —

 Gray
 —

 Ivory
 NS760I

 Office White
 —

 White
 NS760W



Multimedia 1-Port Surface Mount Box, Jack Not Included

HSB1BK* HSB1GY* HSB1EI* HSB1OW* HSB1W*



Multimedia 2-Port Surface Mount Box, Jacks Not Included

HSB2BK* HSB2GY* HSB2EI* HSB2OW* HSB2W*

Note: *cULus Listed 1863 - Communication Circuit Accessory. See pages Y-4 to Y-8 for snap fit multimedia jacks and AV connectors.

Standard UTP Wiring Conventions

Horizontal UTP Cable and Patch Cords

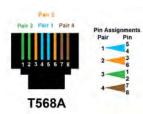
- Solid copper 4-pair #24 or better AWG UTP is specified for distribution cabling. Stranded UTP is specified for patch cords for flexibility. Shielded cable is not commonly used in the U.S. splices and bridge taps are not permitted.
- Cable, connectors and patch cords shall be marked with the performance category.
 Always match performance categories of cables and components throughout the infrastructure.
- All cable, cords and connecting hardware shall meet performance requirements of ANSI/TIA/EIA-568-C.1 and 568-C.2. Hubbell assures this compliance with all products and cable partners.

COLOR CODING:



Recognized Connector and Wiring Configurations

- 8-position modular jack/plug.
- 8-position modular panel/plug.
- T568A wiring or T568B wiring options.
- Cat. 5e or Cat. 6 recommended.







RJ45 - TIA-568 Conventions

Two wiring standards were adopted. Both configurations provide equivalent transmission performance.



- · Preferred method
- Directly compatible with 2-pair voice and Token Ring systems utilizing 6-position connectors

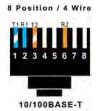
8 Position / 8 Wire



- · Optional method
- AT&T's standard
- Directly compatible with AT&T phone systems

LAN Wiring Conventions

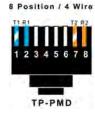
Local Area Network standards designed to operate over UTP specify pin/pair assignments on modular connectors for various signal transmission protocols. While TIA/EIA-568A and 568B conventions support all of these designations, there are some cases where the user chooses to cable only the number of pairs required to support these applications.



- 10 Mbps Ethernet over UTP
- 100 Mbps Ethernet



 4/16 Mbps Token Ring over copper



 100 Mbps FDDI over copper (pending)



 1000 Mbps/10Gb Ethernet over UTP

· Uses all four pairs

SECTION Z

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Special Use Products

Products at a Glance



Decorator Switches

- Smooth, quiet rocker
- Self-grounding feature is standard
- Nightlight version is available
- Ultrasonically welded cover and base
- Operating temperature-20°C to 60°C
- UL Listed, CSA Certified



Passive Infrared Wall Switches and Timers

- Passive infrared technology
- Photocell (WS2000 series)
- No neutral required
- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 and Ashrae 90.1 compliant
- cULus



Decorator Duplex Receptacles

- Self-grounding feature is standard
- Tamper and weather resistant availability
- Multiple-drive Slot/Phillips/ Robertson head screws
- Nightlight version is available
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



Modular Snap Fit Jacks

- Customize the jack selections and look
- Molded-In voice/low-speed data, modular snap fit
- AV connectors, standard bulkhead
- AV connectors, recessed



USB Charger Receptacles

- Two USB ports 5 Amp, 5V DC
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- Standard and Hospital grade
- cULus listed to UL498 and UL1310



- Switch activated port door; when open enables power; when closed, all power is switched OFF, for a "zero" no-load draw
- Shallow depth design for two port



USB Wall Chargers

- Flexible holder to hold phone firmly in place
- Phone can be inserted vertically or horizontally
- Green LED indicates power available and blue LED indicates wireless charging
- Available in combination with 15A or 20A 125V tamperresistant receptacle with USB



GFCI Receptacles

- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output



Power Delivery

- Hubbell Pop-Up receptacles for countertops provide a power source ideal for kitchen or bath counters and islands
- Round non-metallic floor boxes for concrete floors
- Height adjustable wood floor boxes
- Drop-In floor boxes are perfect for quick and easy installations
- Under cabinet/counter power distribution boxes can also be placed under counter islands or kitchen cabinets
- JLOAD® multimedia outlet Isolates low voltage and power in the same box



Decorator Quiet Rocker Switches

Decorator Products - Smart Style, Good Looks

Residential Decorator Switches and Receptacles provide solid, dependable performance and more. Indeed, they are fashion statements, masterfully complementing the look and feel of any room in any home.

Single Pole Decorator Quiet Rocker Switches

Description	Single Pole	Single Pole, Illuminated	Single Pole, Pilot Light	Single Pole with Nightlight	Single Pole with ON/OFF Marking
Termination	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire
Rating	15A 120-277V AC	15A 120V AC	15A 120V AC	20A 120-277V AC	15A 120-277V AC
Black	RSD115BK	_		DS120NLBK**	<u>—</u>
Diack	KODIIOBK			DOILUITEDIN	
Brown	RSD115BK	<u> </u>	_	DS120NLBR**	_
		_	_		_
Brown	RSD115	— — RSD115ILI*	— — RSD115PLI**	DS120NLBR**	— — RSD115IM
Brown Gray	RSD115 RSD115GY	— — RSD115ILI* RSD115ILLA*	— — RSD115PLI** RSD115PLLA**	DS120NLBR** DS120NLGY**	— — RSD115IM RSD115LAM

Note: *Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.

**Light glows through the top portion of the rocker when switch is in the OFF position. Requires a neutral wire.

Double Pole, Three Way and Four Way Decorator Quiet Rocker Switches

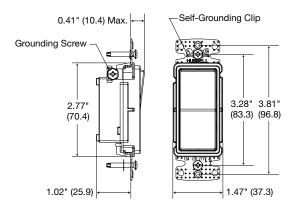
Description	Double Pole	Three Way	Three Way, Illuminated	Four Way
Termination	Self-Grounding, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Push, Back and Side Wire	Self-Grounding, Back and Side Wire
Rating	15A 120-277V AC	15A 120-277V AC	15A 120V AC	15A 120-277V AC
Black	RSD215BK	RSD315BK	_	RSD415BK
Brown	RSD215	RSD315	_	RSD415
Gray	RSD215GY	RSD315GY	_	RSD415GY
Ivory	RSD215I	RSD315I	RSD315ILI*	RSD415I
Light Almond	RSD215LA	RSD315LA	RSD315ILLA*	RSD415LA
White	RSD215W	RSD315W	RSD315ILW*	RSD415W

Note: *Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.

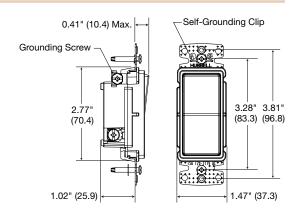
Decorator Weatherproof Series

Description	Color	Catalog Number
Style Line® rocker, weatherproof, self-grounding, 20A, 120/277V AC, back and side wire	Gray Light Almond White	RSD120WPGY RSD120WPLA RSD120WPW

Dimensions



Single Pole Decorator Switch



Three Way Decorator Switch

Dimensions in Inches (mm)



RSD115W



RSD115PLW



DS120NLWH



RSD115WM



RSD215W



Decorator Combination Quiet Rocker Switches/Devices

Features

- Low profile, less than 1 inch deep
- Self-grounding feature is standard

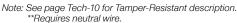
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified

Combination Quiet Rocker Switches/Devices



Black	RCD108BKTR	RCD303BK	RCD308BKTR
Gray	RCD108GYTR	—	RCD308GYTR
Ivory	RCD108ITR	RCD303I	RCD308ITR
Light Almond	RCD108LATR	RCD303LA	RCD308LATR
White	RCD108WTR	RCD303W	RCD308WTR
Rating	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120-277V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R
Termination	Self-Grounding,	Self-Grounding,	Self-Grounding,
	Side Wire	Side Wire	Side Wire
Description	Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Two (2) Three Way Switches	Tamper-Resistant, 2 Pole, 3 Wire, Receptacle

RCD108LATR RCD108WTR	RCD303LA RCD303W	RCD308LATR RCD308WTR	
Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb	Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb	Nightlight Only	
Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, 6" Pre-wired Stranded Wire, ½" Stripped Ends	
15A 120V	15A 120V	120V	
RCD109I** RCD109LA** RCD109W**	RCD309I** RCD309LA** RCD309W**	DD100NLIV** DD100NLLA** DD100NLWH**	
	RCD108WTR Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb Self-Grounding, Side Wire 15A 120V RCD109I** RCD109LA**	RCD108WTR Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb Self-Grounding, Side Wire 15A 120V RCD109I** RCD109LA** RCD303W Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb Self-Grounding, Side Wire 15A 120V RCD309I** RCD309LA**	RCD108WTR RCD303W RCD308WTR Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb Self-Grounding, Side Wire Side Wire 15A 120V RCD109I** RCD309I** RCD309IA** RCD308WTR RCD308WTR RCD308WTR RCD308WTR RCD308WTR RCD308WTR RCD308WTR Nightlight Only Self-Grounding, 6" Pre-wired Stranded Wire, ½" Stripped Ends 120V RCD109I** RCD309I** RCD309LA** DD100NLIV** DD100NLLA**





RCD108W

RCD111W

RCD101W

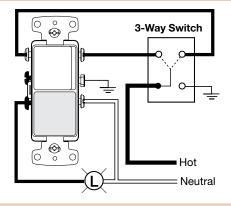
Pilot Light Wiring Diagram



Single-Pole

Hot

Neutral



Dimensions in Inches (mm)



Decorator Weather Resistant, Tamper-Resistant, Standard and Single Receptacles

Decorator Duplex Receptacles, 2 Pole, 3 Wire

		•	
Description	* Weather and Tamper-Resistant	* Tamper-Resistant	Standard
Termination	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black Brown Gray Ivory Light Almond White	RRD15SBKWRTR RRD15SWRTR RRD15SGYWRTR RRD15SIWRTR RRD15SLAWRTR RRD15SWWRTR	RRD15SBKTR RRD15STR RRD15SGYTR RRD15SITR RRD15SLATR RRD15SWTR	RRD15BK RRD15 RRD15GY RRD15I RRD15LA RRD15W
Description	* Tamper-Resistant, Nightlight Receptacle		
Termination	Self-Grounding, Two Nightlight Sources for 0.5 Lumens Total, Back and Side Wired		
Rating	15A 125V NEMA 5-15R		
Black Brown Gray Ivory	— — — DR15NLIV		
Light Almond White	DR15NLLA DR15NLWH		

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.
**100 per case, bulk packed. Mounting screws inserted into strap.

Decorator Single Receptacles, 2 Pole, 3 Wire

	*	€18 *
Description	Tamper-Resistant	Tamper-Resistant
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R
Black	RRD151BKTR	RRD201BKTR
Brown	RRD151TR	RRD201TR
Gray	RRD151GYTR	RRD201GYTR
lvory	RRD151ITR	RRD201ITR
Light Almond	RRD151LATR	RRD201LATR
White	RRD151WTR	RRD201WTR

Description	Standard	Standard
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 250V NEMA 6-15R	20A 250V NEMA 6-20R
Black	RRD155BK	RRD205BK
Brown	RRD155	RRD205
Gray	RRD155GY	RRD205GY
lvory	RRD155I	RRD205I
Light Almond	RRD155LA	RRD205LA
White	RRD155W	RRD205W

Note: See page Tech-10 for Tamper-Resistant description.

Weather Resistant Recessed Receptacle with While-In Use Cover

Description	Housing Color	Horizontal Mount	Vertical Mount
Weather and tamper-resistant duplex	Gray	RW15300GY	RW15400GY
receptacle with clear while-in-use	White	RW15300W	RW15400W
cover, 15A 125V	Brown	RW15300BR	RW15400BR



RRD15SWTR



RRD15SW



DR15NLWH





RRD205W



Dimensions in Inches (mm)

Features and Benefits

USB Charger Receptacles and Outlets

Hubbell's new fast charging USB-C Power Delivery receptacles provide more power. Users can quickly charge laptops and other large devices. The USB-C port marked PD (Power Delivery) provides up to 55 Watt of output. The additional Type-C or Type-A port delivers up to 1.5 Amp, 5 Volt (7.5 Watt) of power.

Common Features

- LED ON to indicate USB and line voltage power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2 and 3.0 Power Delivery specifications
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple[®] products



USB4ACW



Type-C USB Charger

- Two Type C port configurations
- USB-C PD port (up to 20 Volt, 55 Watt output)
- 2nd USB-C convenience port (up to 1.5 Amp, 5 Volt, 7.5 Watt output)
- Heavy duty spec grade
- Tamper resistant commercial grade duplex receptacle



Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light



Type A&C USB Charger

- One Type A and one Type C port configurations
- USB-C PD port (up to 20 Volt, 55 Watt output)
- 2nd USB-A convenience port (up to 1.5 Amp, 5 Volt, 7.5 Watt output)
- Heavy duty spec grade
- Tamper resistant commercial grade duplex receptacle



4 Port USB Charger

- 4 Port outlet, 5 Amp, 5V DC, Type-C, Type A&C and Type A class 2.0
- Switch activated port door; when open enables power. When closed, all power is switched off, for a "zero" no-load draw



USB Wall Chargers

- Flexible holder to hold phone firmly in place
- Phone can be inserted vertically or horizontally
- Green LED indicates power available and blue LED indicates wireless charging
- Available in combination with 15A or 20A 125V tamperresistant receptacle with USB



Switch Combo Outlets

- Two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/ 3-way switch

Apple® is a registered trademark of Apple Inc.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



USB Charger Receptacles and Outlets

Wireless Chargers

Description	Color	Rating	Receptacle	Catalog Number
Wireless wall mount phone charger	White	Coil: 7.5 watt inductive, 125V AC input	-	USB1518



USB1518

Combination Wireless Chargers

Description	Color	Rating	Receptacle	Catalog Number
Combination wireless wall mount phone charger, inductive coil with USB Type A&C ports, and tamper-resistant receptacle	White	Coil: 7.5 watt inductive, USB: 5A 5V DC Input: 125V AC	15A 125V 20A 125V	USB1528AC USB2028AC

[] w



USB1528AC



USB-C Power Delivery Charger Tamper-Resistant Duplex Receptacles

Tamper-Resistant Duplex Receptacles		UL/CSA	UL/CSA
Description	Color	15A 125V	20A 125V
Type-C USB Power Delivery Charger Receptacle, two Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB Type-C convenience port with up to 1.5 Amp, 5 Volt USB output.	Black Brown Gray Ivory Light Almond White	USB15CPDBK USB15CPD USB15CPDGY USB15CPDI USB15CPDLA USB15CPDW	USB20CPDBK USB20CPD USB20CPDGY USB20CPDI USB20CPDLA USB20CPDW
Type A&C USB Power Delivery Charger Receptacle, one Type-A and one Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB-A convenience port with up to 1.5 Amp, 5 Volt USB output.	Black Brown Gray Ivory Light Almond White	USB15ACPDBK USB15ACPD USB15ACPDGY USB15ACPDI USB15ACPDLA USB15ACPDW	USB20ACPDBK USB20ACPD USB20ACPDGY USB20ACPDI USB20ACPDLA USB20ACPDLA



USB15CPDW

USB15CP



USB15ACPDW

Note: See page Tech-10 for Tamper-Resistant description. See section L for Hospital grade series.

4 Port USB Charger Outlets

Description	Color	4 Type A ports	2 Type A and 2 Type-C ports	4 Type-C ports
USB Charger Outlets, 4 USB ports, 5 Amp, 5 Volt DC, Style Line [®] decorator.	Black Brown Gray Ivory Light Almond White	USB4BK USB4 USB4GY USB4I USB4LA USB4W	USB4ACBK USB4AC USB4ACGY USB4ACI USB4ACLA USB4ACW	USB4CBK USB4C USB4CGY USB4CI USB4CLA USB4CW



USB20ACPDW

USB102W

USB4ACW

Switch Combo Outlets

Owned Combo Caticis			
Description	Color	Catalog Number	
Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator	Black Brown Gray Ivory Light Almond White	USB102BK USB102 USB102GY USB102I USB102LA USB102W	



	90. – 6.6.0		
Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade	Black Brown Gray Ivory Light Almond White	USB15AC5BKWR USB15AC5WR USB15AC5GYWR USB15AC5IWR USB15AC5LAWR USB15AC5WWR	USB20AC5BKWR USB20AC5WR USB20AC5GYWR USB20AC5IWR USB20AC5LAWR USB20AC5WWR

Note: Outdoor circuits should be GFCI protected per national and local electric codes. NEC® is a registered trademark of the National Fire Protection Association (NFPA).





GFCI Receptacles with Auto Grounding

Features

- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output













Tamper-Resistant

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Combination Switch 15A 120V Switch
DG	Almond	GFTRST15AL	GFTRST15ALNL	GFTRST15ALB	_
([] []w)	Black	GFTRST15BK	GFTRST15BKNL	GFTRST15BKB	-
	Brown	GFTRST15	GFTRST15NL	GFTRST15B	_
15A 125V NEMA 5-15R	Gray	GFTRST15GY	GFTRST15GYNL	GFTRST15GYB	_
UL CSA 0.5 HP	lvory	GFTRST15I	GFTRST15INL	GFTRST15IB	GFSPST15I
	Light Almond	GFTRST15LA	GFTRST15LANL	GFTRST15LAB	GFSPST15LA
	Red	GFTRST15R	GFTRST15RNL	GFTRST15RB	_
	White	GFTRST15W	GFTRST15WNL	GFTRST15WB	GFSPST15W
DG	Almond	GFTRST20AL	GFTRST20ALNL	GFTRST20ALB	_
([] [bw)	Black	GFTRST20BK	GFTRST20BKNL	GFTRST20BKB	_
	Brown	GFTRST20	GFTRST20NL	GFTRST20B	_
20A 125V NEMA 5-20R	Gray	GFTRST20GY	GFTRST20GYNL	GFTRST20GYB	_
UL CSA 1 HP	lvory	GFTRST20I	GFTRST20INL	GFTRST20IB	_
	Light Almond	GFTRST20LA	GFTRST20LANL	GFTRST20LAB	_
	Red	GFTRST20R	GFTRST20RNL	GFTRST20RB	_
	White	GFTRST20W	GFTRST20WNL	GFTRST20WB	_











Tamper-Resistant Weather Resistant

Rating	Color	Standard	Isolated Ground
DG	Almond	GFTWRST15AL	GFTWRST15ALIG
([] []w)	Black	GFTWRST15BK	GFTWRST15BKIG
15A 125V	Brown	GFTWRST15	GFTWRST15IG
NEMA 5-15R UL CSA	Gray	GFTWRST15GY	GFTWRST15GYIG
0.5 HP	lvory	GFTWRST15I	GFTWRST15IIG
	Light Almond	GFTWRST15LA	GFTWRST15LAIG
	Red	GFTWRST15R	GFTWRST15RIG
	White	GFTWRST15W	GFTWRST15WIG
DG	Almond	GFTWRST20AL	GFTWRST20ALIG
([] [bw)	Black	GFTWRST20BK	GFTWRST20BKIG
	Brown	GFTWRST20	GFTWRST20IG
20A 125V NEMA 5-20R UL CSA	Gray	GFTWRST20GY	GFTWRST20GYIG
1 HP	lvory	GFTWRST20I	GFTWRST20IIG
	Light Almond	GFTWRST20LA	GFTWRST20LAIG
	Red	GFTWRST20R	GFTWRST20RIG
	White	GFTWRST20W	GFTWRST20WIG

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions. See section K for complete Hubbell GFCI offering.



Recessed Receptacles and AV Wallboxes

Hubbell has solutions for residential environments where wire management is a concern. Products sit flush against the wall and are available in multiple colors, creating an aesthetically pleasing look. Large connectors and cables are held securely and bundled together neatly. Wires are concealed behind the wall and out of view. Snap Fit options are used for customizing your connections.

Features

Receptacles

- Snap Fit is configurable to accommodate multiple connectors such as: HDMI, AV and Voice/Low-speed data
- Feed-through options allows you to make direct connections

Boxes

• Available in plastic or metal boxes to accommodate local building requirements



Recessed Receptacle with Feed-Through

Metal Wallbox with Divider









RR1514I

Feed-Through Plates





NSAV2W*

NSAV2I

lvory	NSAV1I*	NSAV2I*		
Color	1-Gang	2-Gang		
recu-rinoughriates				

NSAV1W*

Note: *Not UL Listed.

White



Light Almond

Color

Ivory

White

	-		
	R	R1	5

1-Gang

RR1510I

RR1510LA

RR1510W

RR1512I

15A 125V, Tamper-Resistant Duplex Receptacle 2-Gang with 2-Gang with Feed-Through Snap Fit RR1512I RR1514I **RR1512LA RR1514LA** RR1514W RR1512W



HBL985



HBL986



HBL989



RR1500

Two and Three Gangable AV Wallboxes

		Dimensions	;				
Box	Height	Width	Depth	Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
2-Gang, 2" KO, 54 in ³ capacity	4.21" (107)	4.06" (103)	4.0" (102)	(2) ½" (2) ½" – ¾" TKO*	(1) 1", 1¼", 1½" and 2"	(2) ½" – ¾" TKO	HBL985
3-Gang, 2" KO, 79 in ³ capacity	4.21" (107)	5.87" (149)	4.0" (102)	(3) ½" (3) ½" – ¾" TKO*	(1) ½", (1) ½" – ¾" TKO* (1) 1", 1¼", 1½" and 2"	(3) ½" – ¾" TKO	HBL986

Note: *TKO (Tangential Knockout).

Wallbox

Description	Color	Catalog Number
2-Gang, nail-on box, thermoplastic	Blue	RR1500

Low Voltage AV Wallbox Partitions

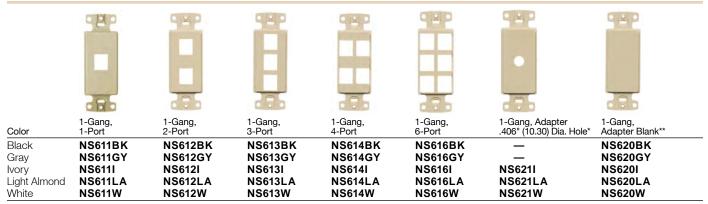
Compatible With	Description	Quantity	Catalog Number
HBL985 and HBL986	Solid divider	1	HBL989
	With pass-through capability	1	HBL989AVD

Dimensions in Inches (mm)



Decorator Frames and Modular Snap Fit Jacks

Decorator Frames



Note: *For use with rotary dimmers or to pull through AV or telephone cable.

**To fill an extra decorator opening or to create customized openings.

Molded-In Voice/Low-Speed Data - Modular Snap Fit



Category 6 Jack

	Category	O Odok
Color	(single)	(25 pack)
Black	NSJ6BK	NSJ6BK25
Blue	NSJ6B	NSJ6B25
Gray	NSJ6GY	NSJ6GY25
Green	NSJ6GN	NSJ6GN25
lvory	NSJ6I	NSJ6125
Light Almond	NSJ6LA	NSJ6LA25
Orange	NSJ6OR	NSJ6OR25
Red	NSJ6R	NSJ6R25
White	NSJ6W	NSJ6W25
Yellow	NS.I6Y	NS.16Y25



Category 5e Jack

(single)	(25 pack)
NSJ5EBK	NSJ5EBK25
NSJ5EB	NSJ5EB25
NSJ5EGY	NSJ5EGY25
NSJ5EGN	NSJ5EGN25
NSJ5EI	NSJ5EI25
NSJ5ELA	NSJ5ELA25
NSJ5EOR	NSJ5EOR25
NSJ5ER	NSJ5ER25
NSJ5EW	NSJ5EW25
NSJ5EY	NSJ5EY25



USOC Jack

(single)
NSJUBK
NSJUB
NSJUGY
NSJUGN
NSJUI
NSJULA
NSJUOR
NSJUR
NSJUW
NSJUY





HDMI Keystone Feed-Through for IMB and ISFB Series

Black SFHC14RK White SFHC14W

Audio/Video Connectors - Standard Bulkhead



Nickel F-Type Coupler Bulkhead,

Female to Female NSF70BK NSF70GY NSF70I NSF70LA

NSF70W



Gold F-Type Coupler Bulkhead, Female to Female **SFFGBK**





RCA Gold Pass-Through. Female to Female, Red Interior





RCA Gold Pass-Through. Female to Female, White Interior





RCA Gold Pass-Through, Female to Female, Yellow Interior





Color

RCA Gold Pass-Through. Female to Female, Blue Interior





RCA Gold Pass-Through. Female to Female, Green Interior

SFRCGNFFBK SFRCGNFFGY SFRCGNFFEI **SFRCGNFFLA** SFRCGNFFW

Audio/Video Connectors - Recessed





SFGRFBK SFGRFGY SFGRFEI SEGREI A **SFGRFW**



RCA Gold Pass-Through, Female to Female, Red Interior **SFRCRRBK**

SFRCRRGY SFRCRREI SFRCRRI A **SFRCRRW**



RCA Gold Pass-Through, Female to Female, White Interior SFRCWRBK

SFRCWRGY SFRCWREI SFRCWRI A **SFRCWRW**



RCA Gold Pass-Through, Female to Female, Yellow Interior

SFRCYRBK SFRCYRGY SFRCYREI SFRCYRLA SFRCYRW



RCA Gold Pass-Through, Female to Female. Blue Interior

SFRCBRBK SFRCBRGY SFRCBREI SFRCBRI A **SFRCBRW**



RCA Gold Pass-Through, Female to Female, Green Interior

SFRCGNRBK SFRCGNRGY **SFRCGNREI** SFRCGNRI A **SFRCGNRW**



SFSBBK10* SFSBGY10* SFSBEI10* SESBL A10* SFSBW10*

Blank Insert

Note: *Sold in a package of 10. Order 1 to receive a bag of 10 blanks.

Dimensions in Inches (mm)



Color

Black

Gray

Ivory

Light Almond

Color

Black

Gray

Ivory

White

Light Almond



Molded-In Voice/Data/Video

Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- UL Listed 1863 Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor	Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor	Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor	Decorator Frame, One Cat. 5e One RJ11 Jack, 6-Position, 4-Conductor
Termination	Screw Terminations	Screw Terminations	Screw Terminations	110 Punch-Down
Color				
Black	NS770BK	_	_	NS784BK
Brown	NS770	NS771	_	NS784
Gray	NS770GY	_	_	NS784GY
lvory	NS770I	NS771I	NS772I	NS784I
Light Almond	NS770LA	NS771LA	NS772LA	NS784LA
White	NS770W	NS771W	NS772W	NS784W

Features

White

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One Cat. 5e One F-Type Coupler Bulkhead, Female to Female
Termination	Screw Terminations	Screw Terminations	110 Punch-Down
Color			
Black	_	_	NS785BK
Brown	-	_	NS785
Gray	— NO7001	— NO7001	NS785GY
lvory Light Almond	NS780I NS780LA	NS783I NS783LA	NS785I NS785LA

NS783W

Dimensions in Inches (mm)

NS785W

NS780W



Plastic and Metal Wallplates

More Style In a Snap

Snap-on wallplates offer a clean, elegant look that can be installed in seconds. Screw the mounting plate onto the device and press the snap-on cover into place. Snaps securely hold the cover to the sub-plate.

- Clean, elegant look
- No visible screws
- Snap-on cover plate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on cover plate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Hubbell wallplates
- Meets UL and CSA standards



Snap-On Wallplates

			•		11		111	
Color	1-Gang,	1-Gang,	1-Gang,	2-Gang,	2-Gang,	3-Gang,	3-Gang,	4-Gang,
	1-Decorator	1-Duplex	1-Toggle	2-Decorator	2-Toggle	3-Decorator	3-Toggle	4-Decorator
Ivory	NPS26I	NPS8I	NPS1I	NPS262I	NPS2I	NPS263I	NPS3I	NPS264I
Light Almond	NPS26LA	NPS8LA	NPS1LA	NPS262LA	NPS2LA	NPS263LA	NPS3LA	NPS264LA
White	NPS26W	NPS8W	NPS1W	NPS262W	NPS2W	NPS263W	NPS3W	NPS264W

Decorator, Screw-On, Standard, Nylon Wallplates

	4	2 4	N N N	3 4 4 4		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Color	1-Gang,	2-Gang,	3-Gang,	4-Gang,	5-Gang,	6-Gang,
	1-Decorator	2-Decorator	3-Decorator	4-Decorator	5-Decorator	6-Decorator
Black	NP26BK	NP262BK	NP263BK	NP264BK	NP265BK	NP266BK
Brown	NP26	NP262	NP263	NP264	NP265	NP266
Gray	NP26GY	NP262GY	NP263GY	NP264GY	NP265GY	NP266GY
Ivory	NP26I	NP262I	NP263I	NP264I	NP265I	NP266I
Light Almond	NP26LA	NP262LA	NP263LA	NP264LA	NP265LA	NP266LA
White	NP26W	NP262W	NP263W	NP264W	NP265W	NP266W

Decorator, Screw-On, Mid-Size, Nylon Wallplates

Color	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator	
Black	NPJ26BK	NPJ262BK	NPJ263BK	NPJ264BK	_	_	
Brown	NPJ26	NPJ262	NPJ263	NPJ264	_	_	
Gray	NPJ26GY	NPJ262GY	NPJ263GY	NPJ264GY	_	_	
lvory	NPJ26I	NPJ262I	NPJ263I	NPJ264I	_	_	
Light Almond	NPJ26LA	NPJ262LA	NPJ263LA	NPJ264LA	_	_	
White	NPJ26W	NPJ262W	NPJ263W	NPJ264W	_	_	

Decorator, Screw-On, Mid-Size, Metal Wallplates

Material	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator	
Brass	SB26	SB262	_	_	_	<u> </u>	
Brass Plated	SBP26	SBP262	SBP263	_	_	_	
Chrome	SCH26	SCH262	_	_	_	_	
S/S 302/304	SS26	SS262	SS263	SS264	SS265	SS266	
S/S 430	SS26L	SS262L	_	_	_	_	

Note: See section O for complete selection of wallplates.



Combination Wallplates

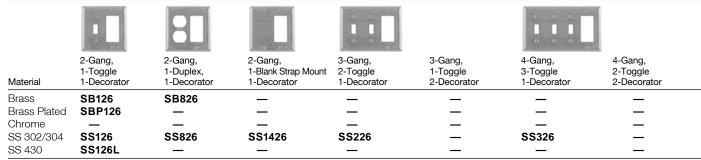
Combination, Nylon, Standard Wallplates



Combination, Nylon, Mid-Size Wallplates

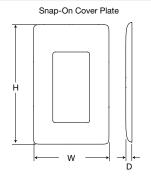
Color	2-Gang, 1-Toggle 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Box Mount 1-Decorator	3-Gang, 2-Toggle 1-Decorator	3-Gang, 1-Toggle 2-Decorator	4-Gang, 3-Toggle 1-Decorator	4-Gang, 2-Toggle 2-Decorator
Black	NPJ126BK	NPJ826BK	_	NPJ226BK	_	_	_
Brown	NPJ126	NPJ826	NPJ1326	NPJ226	_	_	_
Gray	NPJ126GY	NPJ826GY	_	NPJ226GY	_	_	_
vory	NPJ126I	NPJ826I	NPJ1326I	NPJ226I	_	_	_
_ight Almond	NPJ126LA	NPJ826LA	NPJ1326LA	NPJ226LA	_	_	_
White	NPJ126W	NPJ826W	NPJ1326W	NPJ226W	_	_	_

Combination, Standard, Metal Wallplates

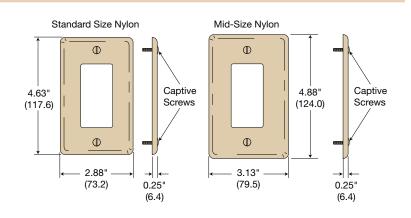


Note: See section O for complete selection of wallplates.

Dimensions



Gang	Height (H)	Width (W)	Depth (D)
1	4.75" (120.6)	3.00" (76.2)	.25" (6.2)
2	4.75" (120.6)	4.81" (122.2)	.25" (6.2)
3	4.75" (120.6)	6.62" (168.2)	.25" (6.2)
4	4.75" (120.6)	8.44" (214.3)	.25" (6.2)



Dimensions in Inches (mm)



Toggle Switches

Features

Standard toggle switches provide the basic ON/OFF control for home lighting and appliances.

- Tough thermoplastic with ultrasonically welded cover and base
- Elongated strap for easier wall box mounting
- Quiet snap action mechanism
- Multiple-drive Slot/Phillips/Robertson head screws
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



Single Pole Toggle Switches

Single Pole	Single Pole, Illuminated	
Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	
15A 120V AC	15A 120V AC	
-	RS115ILC	<u> </u>
	_	
RS115	-	
RS115I	RS115ILI*	
RS115LA	RS115ILLA*	
	Single Pole Grounding, Push and Side Wire 15A 120V AC R\$115BK R\$115 R\$115I	Single Pole Single Pole Illuminated Grounding, Push and Side Wire 15A 120V AC Total Color Col

RS115ILW*

RS115W Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.

Description	Three Way	Three Way, Illuminated	Four Way
Termination	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V AC
Color			
Clear	_	RS315ILC	_
Black	RS315BK	_	— DC445
Brown Ivory	RS315 RS315I	 RS315ILI*	RS415 RS415I
Light Almond	RS315LA	RS315ILLA*	RS415LA
White	NOSISEA	NOSISIELA	NOTIVEA

Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.

Dimensions in Inches (mm)

White



Combination Switches/Devices

Features

Mini-toggles provide for multiple switches in a compact single gang. Maximize control while maintaining function and appearance.

- Low profile, less than 1 inch
- Self-grounding feature is standard
- Combination devices provide compact switches in a single-gang opening
- Smooth toggle action
- Multiple-drive Slot/Phillips/Robertson head screws
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



RC108I

Combination Toggle Switches/Devices

Description	Two (2) Single Pole Switches	Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Single Pole Switch, 2 Pole, 3 Wire, Receptacle	Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb*
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V AC
Color				
Brown	RC101	RC108TR	RC108	RC109
lvory	RC101I	RC108ITR	RC108I	RC109I
Light Almond White	RC101LA RC101W	RC108LATR RC108WTR	RC108LA RC108W	RC109LA RC109W

Combination Toggle Switches/Devices

••••••					
Description	Single Pole and Three Way Switch	Two (2) Three Way Switches	Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle	Three Way Switch, 2 Pole, 3 Wire, Receptacle	Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb*
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V AC
Color					
Brown	RC103	RC303	RC308TR	RC308	RC309
lvory	RC103I	RC303I	RC308ITR	RC308I	RC309I
Light Almond	RC103LA	RC303LA	RC308LATR		-
White	RC103W	RC303W	RC308WTR	RC308W	RC309W

Note: See page Tech-10 for Tamper-Resistant description.
*Neutral required for pilot light, see page Z-4 for wiring diagram.

Dimensions in Inches (mm)

Note: See page Tech-10 for Tamper-Resistant description. *Neutral required for pilot light, see page Z-4 for wiring diagram.



XClamp and Duplex Receptacles

Features

- Eliminates the need to loop the wire
- External back-wire clamp for fast and easy installation of 15A & 20A branch circuits in residential applications
- Compression plates maximize holding power to provide a stronger, more secure connection
- Terminate up to 8 wires
- Accomodates #12 & #14 AWG wire
- Break-off tabs for switched receptacle applications
- Tamper-resistant shutter complies with NEC®





Strip the wire

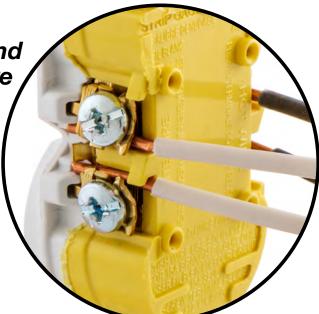
Insert the wire

Clamp

the connection

Best Solution for Residential 15A & 20A Branch Circuit Wiring

Fast and Secure





XClamp Duplex Receptacles

Description	Color	Catalog Number
Tamper-Resistant, 15A 125V,	lvory	RR15SITRX
2 Pole, 3 Wire Grounding,	Light Almond	RR15SLATRX
20A Circuit Rated	White	RR15SWTRX

Listings

UL listed to UL498 File No. E2186 Certified to CSA C22.2, No. 42 NEMA® WD-6 Compliant

Duplex Receptacles, 2 Pole, 3 Wire





	FIR		WA TR	
	Tamper-Resistant,		Weather and	TR
Description	Quick Thread	Standard	Tamper-Resistant	Tamper-Resistant
	Self-Grounding,	Grounding,	Self-Grounding,	Self-Grounding,
	Push and	Push and	Push and	Push and
Termination	Side Wire	Side Wire	Side Wire	Side Wire
	15A 125V	15A 125V	15A 125V	15A 125V
Rating	NEMA 5-15R	NEMA 5-15R	NEMA 5-15R	NEMA 5-15R
Black	_	RR15BK	RR15SBKWRTR	RR15SBKTR
Brown	_	RR15	RR15SWRTR	RR15STR
Gray	_	_	RR15SGYWRTR	_
lvory	RR15QITR	RR15I	RR15SIWRTR	RR15SITR
Light Almond	RR15QLATR	RR15LA	RR15SLAWRTR	RR15SLATR
White	RR15QWTR	RR15W	RR15SWWRTR	RR15SWTR

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



Singles, Range and Dryer Power Receptacles and Plugs

NEMA 5-20R

RR201TR

RR201ITR

RR201BKTR

RR201GYTR

RR201LATR

RR201WTR

Single Receptacles, 2 Pole, 3 Wire

Description	Weather and Tamper-Resistant	Tamper-Resistant	Standard	Weather Resistant	Standard
Termination	Self-Grounding,	Self-Grounding,	Self-Grounding,	Self-Grounding,	Self-Grounding,
	Side Wire	Side Wire	Side Wire	Side Wire	Side Wire
Rating	15A 125V	15A 125V	15A 125V	15A 250V	15A 250V
	NEMA 5-15R	NEMA 5-15R	NEMA 5-15R	NEMA 6-15R	NEMA 6-15R
Black	RR151BKWRTR	RR151BKTR	RR151BK	RR155BKWR	RR155BK
Brown	RR151WRTR	RR151TR	RR151	RR155WR	RR155
Gray	RR151GYWRTR	RR151GYTR	RR151GY	RR155GYWR	RR155GY
Ivory	RR151IWRTR	RR151ITR	RR151I	RR155IWR	RR155I
Light Almond	RR151LAWRTR	RR151LATR	RR151LA	RR155LAWR	RR155LA
White	RR151WWRTR	RR151WTR	RR151W	RR155WWR	RR155W
Description	Weather and Tamper-Resistant	Tamper-Resistant	Standard	Weather Resistant	Standard
Termination	Self-Grounding,	Self-Grounding,	Self-Grounding,	Self-Grounding,	Self-Grounding,
	Side Wire	Side Wire	Side Wire	Side Wire	Side Wire
	20A 125V	20A 125V	20A 125V	20A 250V	20A 250V

NEMA 5-20R

RR201BK

RR201GY

RR201LA

RR201W

RR2011

RR201

NEMA 6-20R

RR205WR

RR205IWR

RR205BKWR

RR205GYWR

RR205LAWR

RR205WWR

NEMA 6-20R

RR205BK

RR205GY

RR205LA

RR205W

RR2051

RR205

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.

Range and Dryer Power Receptacles

NEMA 5-20R

RR201BKWRTR

RR201GYWRTR

RR201LAWRTR

RR201WWRTR

RR201WRTR

RR201IWRTR

Rating

Black

Brown

Gray

lvory

White

Light Almond

	30A 125/250V NEMA 14-30R UII /CSA	50A 125/250V NEMA 14-50R UI /GSA	30A 125/250V NEMA 10-30R UL/CSA	50A 125/250V NEMA 10-50R
Description	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box	Flush Mount for 1- or 2-Gang Box
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	30A 125/250V 3 Pole, 3 Wire without Ground	50A 125/250V 3 Pole, 3 Wire without Ground
Black	RR430F	RR450F	RR330F*	RR350F*
White	RR430FW	RR450FW	_	-
White w/ plate	RR430WIPCN	_	_	_
Description	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	30A 125/250V 3 Pole, 3 Wire without Ground	50A 125/250V 3 Pole, 3 Wire without Ground
Black	RR430	RR450	RR330*	RR350*
Description	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	_	_
Black	RR430PM	RR450PM	_	_

Note: *For replacement use only.

RR151W



RR201W



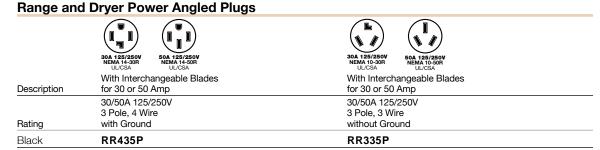
RR430FW



RR450



RR430PM





RR435P



Special Use Products



RW15400GY

Weather Resistant Recessed Receptacle with While-In Use Cover

Description	Housing Color	Horizontal Mount	Vertical Mount	
Weather and tamper-resistant duplex receptacle with clear while-in-use	Gray	RW15300GY	RW15400GY	
	White	RW15300W	RW15400W	
cover, 15A 125V	Brown	RW15300BR	RW15400BR	



RR151CHWTR



RJ650BKTR



Dividers



RJ600

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Special Use Products





Description	Color	Tamper-Resistant	Tamper-Resistant
Clock Hanger/Recessed Single Receptacle, Tamper-Resistant, 2 pole, 3 wire, grounding, side wire terminations	Brass Stainless Steel Ivory (Nylon) White (Nylon)	RR151CHBSTR RR151CHSSTR RR151CHITR RR151CHWTR	RR201CHBSTR RR201CHSSTR RR201CHITR RR201CHWTR
Recessed Duplex Receptacle, Tamper-Resistant, 2 pole, 3 wire, grounding, side wire terminations	lvory Light Almond White	RR1510I RR1510LA RR1510W	
JLOAD® Multimedia Outlet, Provides power, Cat. 5e and coaxial in a single gang box. Requires RJ600 Box. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	RJ650BKTR RJ650GYTR RJ650ITR RJ650LATR RJ650WTR	RJ620BKTR RJ620GYTR RJ620ITR RJ620LATR RJ620WTR
JLOAD® Multimedia Outlet, Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	RJ65BKTR RJ65GYTR RJ65ITR RJ65LATR RJ65WTR	RJ62BKTR RJ62GYTR RJ62ITR RJ62LATR RJ62WTR
JLOAD® Multimedia Box, 3 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud	Steel	RJ600	RJ600

Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor

See page Z-10 for snap fit inserts.

See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.

See page Tech-10 for Tamper-Resistant description.





In-Line Cord Switches

White	RS100W	RS101W
lvory	_	RS101I
Wire	#18 AWG SPT 1 and SPT 2	#18 to #16 AWG SPT 1 and SPT 2
Rating	6A 125V AC	6A 125V AC, 1/6 HP
Description	Mini For Use with Flat Lamp Cord	Heavy Duty

Dimensions in Inches (mm)



Dimmers and Fan Speed Controls

Features

Standard rocker, toggle, slide and rotary styles for any interior design.

- Optimum CFL and LED Control
- Low End Adjustment for Fine Tuning
- For single-pole and 3-way applications
- Decorator and Traditional Toggle Styling Available
- Ivory, Light Almond, and White available for all SKUs
- No Neutral Required
- 0-10V Low Voltage loads supported with Decorator and Rocker styles





LCD300DW

LED/CFL Dimmers

Description	Color	Rocker Dimmer	Slide Dimmer	Toggle Dimmer
LED/CFL 200W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way	Ivory	LCD150DI	LCD150SI	-
	Light Almond	LCD150DLA	LCD150SLA	-
	White	LCD150DW	LCD150SW	-
LED/CFL 150W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way	lvory	-	-	LCD150TI
	Light Almond	-	-	LCD150TLA
	White	-	-	LCD150TW
LED/CFL 300W, Incandescent/Halogen	Ivory	LCD300DI	-	-
600W, 120V AC, 60Hz, single pole/three way,	Light Almond	LCD300DLA	-	-
with indicator light	White	LCD300DW	-	-



Description	Color	Rocker Dimmer	Slide Dimmer
01-10V Low Voltage Loads, 10 A @120V AC, 5 A @277V AC, 60Hz, single pole/three way	lvory	LCD0108DI	LCD0108SI
	Light Almond	LCD0108DLA	LCD0108SLA
	White	LCD0108DW	LCD0108SW



LCD150TW



LCD0108SW

Fan Speed Controls, 3 Speed

Description	Toggle	Rotary ON/OFF Knobs Provided
Termination	Single Pole/Three Way	Single Pole
Rating	1.5A 120V AC	1.5A 120V AC
lvory	RAYFSQFI	_
Light Almond	RAYFSQFLA	_
White	RAYFSQFW	_
Ivory/White	_	RFSQ2FDK

Replacement Knobs Rotary Fan Control Replacement Knobs _

R28032406 R28032401

R28032406

R28032401

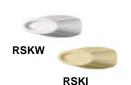


Fan Speed Controls, 3 Speed

Description	Rocker Slide Adjustment	Slide Control Slide to OFF
Termination	Single Pole/Three Way	Single Pole
Rating	1.5A 120V AC	1.5A 120V AC
lvory Light Almond White	RDVFSQFI RDVFSQFLA RDVFSQFW	RSFSQFI RSFSQFLA RSFSQFW

Replacement Knobs

riopiacoment raioso
Slide Control Replacement Knobs
_
RSKI
RSKLA
RSKW





RSFSQFW



Wall Switches and Digital Timer

Passive Infrared Wall Switches

- Passive infrared technology
- Photocell (WS2000 series)
- No neutral required
- 1200 sq. ft. coverage

- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 and ASHRAE 90.1 compliant
- cULus





WS1000NW

Description	Color	Standard	with Nightlight	with Neutral	with Nightlight and Neutral
Manual adjusting; selectable manual/auto ON operation; dual-voltage 120/277V AC; multi-way capable.	Gray	WS2000GY	WS2000NGY	—	—
	Ivory	WS2000I	WS2000NI	WS2004I	WS2004NI
	Light Almond	WS2000LA	WS2000NLA	—	—
	White	WS2000W	WS2000NW	WS2004W	WS2004NW
Manual adjusting; selectable manual/auto ON operation; 120V AC only.	lvory	WS1000I	WS1000NI	_	_
	Light Almond	WS1000LA	WS1000NLA	_	_
	White	WS1000W	WS1000NW	_	_
Manual adjusting;	lvory	WS1001I	WS1001NI	_	_
manual ON operation;	Light Almond	WS1001LA	WS1001NLA	_	_
120V AC only.	White	WS1001W	WS1001NW	_	_
Manual adjusting;	Gray	WS1020GY	WS1020NGY	—	
auto ON operation;	Ivory	WS1020I	WS1020NI	WS1024I	WS1024NI
dual circuit;	Light Almond	WS1020LA	WS1020NLA	WS1024LA	WS1024NLA
120V AC only.	White	WS1020W	WS1020NW	WS1024W	WS1024NW
Manual adjusting;	Gray	WS1021GY	WS1021NGY	—	—
manual ON operation;	Ivory	WS1021I	WS1021NI	WS1025I	WS1025NI
dual circuit;	Light Almond	WS1021LA	WS1021NLA	WS1025LA	WS1025NLA
120V AC only.	White	WS1021W	WS1021NW	WS1025W	WS1025NW

Note: See below for coverage patterns.



WS1020W

Count Down Timer Wall Switch

Description	Color	30 Minutes: OFF, 5, 10, 20, 30	60 Minutes: OFF, 15, 30, 45, 60	12 Hours: OFF, 2, 4, 8, 12
1000W @ 120V AC and 1400W @ 277V AC.	lvory Light Almond White	DT5030I DT5030LA DT5030W	DT5060I DT5060LA DT5060W	DT5012I DT5012LA DT5012W

Note: Neutral required.



DT5030W

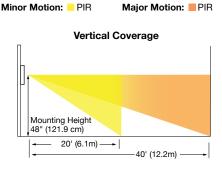
Digital Timer Wall Switch

Description	Color	120V AC	277V AC	Catalog Number				
Dip switch enabled preset	White	960W	1200W	DT2000W				
intervals. User adjustable 1 min								
up to 4 hours, 3-way capable.	up to 4 hours, 3-way capable.							
Includes an ON/OFF momentary								
push button switch feature.								

Note: Neutral required.

Wall Switches Coverage Patterns





Horizontal Coverage

WS1000, WS2000 SERIES



Floor Boxes for Concrete Floors

Residential Round Non-Metallic Floor Box offers an economical solution for electrical power or a combination of power and voice/data applications. Designed specifically for slab-on-grade installation. Quick and easy installation is assured using a push in place leveling system. UL Listed.

Features

After the box has been secured in concrete, cut for height, apply PVC glue and push the cover assembly into the box. No fasteners or adjustment screws required.

- 4 inch minimum concrete pour
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Self height and leveling ring, no adjustments
- Pre-assembled flange, cover and leveling ring for quick installation
- Parallel PVC hubs for 1 inch and 3/4 inch conduit
- Recessed GFCI/decorator opening
- Tamper-Resistant duplex receptacle included
- UL listed floor box



Floor Boxes for Concrete Floors

Description	Rating	Material/Color	Catalog Number
Flange and Hinged Door Cover Assembly. Includes tamper-resistant duplex receptacle, gasket, floor leveling PVC ring, high impact and chemically resistant nylon. Factory pre-assembled for easy drop-in installation.	15A 125V NEMA 5-15R	Brushed Aluminum Brushed Brass Plated Solid Brass Almond Black Chestnut Brown Gray	RF406ALU RF406BP RF406BR RF406AL RF406BK RF406BN RF406GY
Flush fit cover for hardwood and tile floors (similar to above).		Solid Brass	RF409BR
PVC Floor Box with Concrete Protective Cover. Accepts ¾ in. and 1 40 and schedule 80 PVC conduit. Includes round box (47/8 in. dia deep), four reducers, closure plugs, and concrete cover with locations.	ameter x 6.0 in.	Gray	RF400
Hinged Nylon Replacement Door Cover. Includes neoprene ga to seal plug openings. Replacement cover for RF406 series.	Solid Brass Almond Black	RF407BR RF407AL RF407BK	
Low Voltage Divider. For use in PVC box RF400, when JLOAD Multimedia Outlet is used.	g®	Gray	RF408



RF406ALU



RF409BR

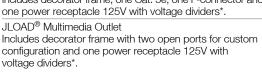
Adjustable Non-Metallic Concrete Floor Box Stand

PVC floor box stand, adjusts up to 4 inches.	Grav	PERSTANDGY
Description	Color	Catalog Number
-		



JLOAD® Multimedia Outlet - See page Z-27 for Fea⁻

Features		NEMA 5-15R UL/CSA
Description	Color	Tamper-Resistant
JLOAD® Multimedia Outlet. Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires Low Voltage Divider RF408 when used in PVC Box RF400. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	RJ650BKTR RJ650GYTR RJ650ITR RJ650LATR RJ650WTR





RJ65BKTR

RJ65GYTR

RJ65ITR

RJ65LATR

RJ65WTR

OLICOA
Tamper-Resistant
RJ620BKTR RJ620GYTR RJ620ITR RJ620LATR RJ620WTR
RJ62BKTR RJ62GYTR RJ62ITR RJ62LATR RJ62WTR



RF408



Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes. See page Z-10 for snap fit inserts.

Black Gray

Ivory

White

Light Almond

See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options. See page Tech-10 for Tamper-Resistant description.





Floor Boxes for Wood Floors

Hubbell Wood Floor Boxes allow for the placement of electrical power or a combination of power and voice/data devices. Specifically designed for use with structural wood floors. The boxes are height adjustable (up to ¾ inch) for optimal alignment and fit.

Features

- Available surface mount or flush fit
- Pre-assembled flange and cover for fast installation
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Low voltage divider optional provides for power and voice/data in a compact space
- Height accessible adjustments after the box is mounted
- Back and side knockouts for proper wiring access
- Recessed receptacle minimizes plug protrusion; allowing furniture to be located over the plug
- Top screw fastening and side joist mounting provided



RF509BR, RJ650BKTR, RF500 with Divider

Note: Template cutout provided with instructions for proper installation.

The Right Choice for that Perfect Finishing Touch!



















Chestnut Brown

RF507NI

Solid Brass Brass Plated Chrome Plated Copper Plated Nickel Plated Stainless Finish Almond Bl

Note: Not all configurations are available in all colors. See below for details.



RF515BR



RF509BR



RF500



Floor Boxes for Structural Wood Floors

Description	Material	Finish	Catalog No.	Material	Finish	Catalog No.
Decorator duplex receptacle floor box kit; includes steel box, flange and hinged door cover assembly with 15A 125V tamper-resistant duplex receptacle; designed for installation in wood floors; mounts to sub-floor or joists.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	RF515BR RF515SS RF515AL RF515BK RF515BN	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	RF515BP RF515CH RF515CU RF515NI
Flange and hinged door cover assembly; includes tamper-resistant duplex receptacle; neoprene gaskets; for use with steel box RF500.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	RF506BR RF506SS RF506AL RF506BK RF506BN	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	RF506BP RF506CH RF506CU RF506NI
Flush fit cover for hardwood and tile floors (similar to above).	Solid Brass	Clear Lacquer	RF509BR			
Adjustable floor box; 3 inch deep; t one on each side; non-metallic she			bottom;	Steel	_	RF500
Hinged Door Cover Only Replacement door for RF515, RF509 and RF506 series.	Solid Brass Aluminum Aluminum	Solid Brass Stainless Finish Almond	RF507BR RF507SS RF507AL	Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated	RF507BP RF507CH RF507CU

Chestnut Brown Paint RF507BN

RF507BK

Black

Aluminum

Aluminum

Aluminum Nickel Plated



Floor Boxes for Wood Floors

Features

Duplex floor receptacles provide ample connections to service lighting, entertainment equipment and computers for family rooms and offices. Single receptacle configurations available for minimum requirements.

- · Low profile, solid brass flange and cover
- Cut out template provided to assure proper sub-flooring preparation
- Line and low voltage options
- 2½ inch hole, ample wiring room
- For use with single or feed through service



Drop-In Floor Box

Drop-In Floor Boxes are perfect for quick and easy installation of power or low voltage. Simply cut a hole between the floor and joists and drop through. The flange lip holds it in place.







	G [Lw]	
	125V 5-20R	
OL	JOM	







RF6500BR

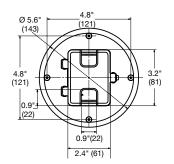
Floor Boxes for Wood Floors

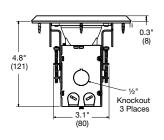
Description	Material	Catalog Number	Catalog Number
Drop In Floor Box Mounts in 2½ inch hole opening. Includes solid brass cover, single tamper-resistant receptacle, optional device mounts for two (2) voice/data video ports. Suitable for feed through circuitry. Impact resistant box.	Solid Brass	RF151R	RF201R
Duplex Receptacle Floor Box Rated Includes steel box, duplex TR receptacle and cover.	Solid Brass	RF6500BR	_
Single Receptacle Floor Box Rated Includes steel box, single receptacle and cover.	Solid Brass	RF151TR	<u> </u>
Single Receptacle Display Rated Receptacle and cover only, excludes box.	Solid Brass	RF151DTR	_

Note: See page Tech-10 for Tamper-Resistant description.

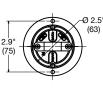
Dimensions

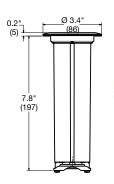
Wood Floor Boxes





Drop-In Floor Box









Dimensions in Inches (mm)



Countertop Receptacles

Hubbell Pop-Up Receptacles for countertops provide a power source ideal for kitchen and bath counters and islands. Hubbell is the first to market a countertop receptacle that is UL Listed. It allows compliance with NEC® 406.5(E) [countertops], 406.5(F) [work surfaces], and 406.5(H) [seating areas]. Pop-Up Receptacles are tested and water resistant to a half gallon spill. The receptacles feature Hubbell's patent pending silicone gaskets and patented cam action tamper-resistant technology. The compact design minimizes space required on the countertop as well as underneath in the cabinet area.

Features

- Surface or flush mount options
- Self sealing silicone gaskets at the receptacle face
- Compact design
- Permanent installation ready (suitable for MC cable or non-metallic sheath cable)
- Seven different finishes available
- Features two water and tamper-resistant receptacles
- Easy push down to pop-up function is rated for a minimum of 10,000 cycles (OPEN/CLOSE)
- Easy installation simply drop in and tighten
- c(VL)us Listed



Because Spills Happen



Hubbell Countertop Receptacles are Spill Test Compliant

Hubbell Countertop Receptacles are the first pop-up receptacles UL listed for countertop applications and permanent installations.

UL 498 Section 146

Built and listed to be water resistant to a half gallon of liquid spilled on the device.

NEC 406.5(E)

Receptacle assemblies for installation in countertop surfaces shall be listed for countertop application.

NEC 406.5(E) "Receptacles in Countertops" For a receptacle to meet this requirement it must be part of a listed assembly for use in countertops

- May be exposed to a larger liquid spill
- Can also be installed in work surfaces
- Must be GFCI protected surface

NEC 406.5(F) "Receptacles in Work Surfaces" For a receptacle to meet this requirement it must be part of a listed assembly for use in work surfaces

- Does not require as high of a spill rating
- Cannot be used in countertop applications

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



Countertop Receptacles

			15A 125V Receptacle		20A 125V	Receptacle
Description	Finish	Color/Material	Surface Mount	Flush Mount	Surface Mount	Flush Mount
Tamper-resistant pop-up kitchen counter receptacle, rated for 20A circuits Cover: machined aluminum, wiring chamber accepts ½" MC or non-metallic sheath cable	Powder Coated	Black White Bronze	RCT200BK RCT200W RCT200BZE	RCT201BK RCT201W RCT201BZE	RCT220BK RCT220W RCT220BZE	RCT221BK RCT221W RCT221BZE
	Brushed	Aluminum Brass Nickel	RCT200ALU RCT200BR RCT200NI	RCT201ALU RCT201BR RCT201NI	RCT220ALU RCT220BR RCT220NI	RCT221ALU RCT221BR RCT221NI
	Polished	Chrome	RCT200CH	RCT201CH	RCT220CH	RCT221CH



RCT200BK











Bronze





Powder Coated Black

Powder Coated White



Brushed Brass

Brushed Nickel

Black

White

Chrome

Powder Coated

Polished

Chrome

RCT600BK

RCT600W

RCT600CH

RCT620BK



RCT620CH





RCT221ALU

Tri-Power AC, includes: tamper-resistant pop-up kitchen counter receptacle, USB Type AC and wireless inductive, rated for 20A circuits Cover: machined aluminum, wiring chamber accepts 1/2" MC or non-metallic sheath cable; surface mount only

	Bronze	RCT600BZE	_	RCT620BZE	_	
Brushed	Aluminum Brass Nickel	RCT600ALU RCT600BR RCT600NI	=	RCT620ALU RCT620BR RCT620NI	=	

Customizable Color Kits

Installable in surface mount option only, available in 7 different finishes



Gray or White



Brass w/ Black, Gray or White



Nickel w/ Black, Gray or White



((co))



White w/ White



Bronze w/ Black, Gray or White



Chrome w/ Black, Gray or White



Dimensions in Inches (mm)



Under Cabinet/Counter Power Distribution

Features

These boxes comply with the NEC® for kitchen receptacles, with placement not more than 20 inches above the counter surface. They can also be placed under counter islands, not lower than 15 inches from the surface.

- Available with nylon or metal cover
- Custom configurable, accepts any decorator style device
- Mounting hardware included
- UL Listed and CSA Certified under cabinet boxes





RU100W

Under Cabinet/Counter Power Distribution

Description	Material	Catalog Number
Slim Box	Stainless Steel White Metal White Nylon	RU100SS RU100W RU170W*
GFCI Fit Box	Stainless Steel White Metal White Nylon	RU200SS RU200W RU270W*

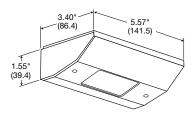
Note: *Steel box with nylon cover.



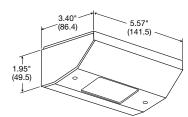
RU200SS

Dimensions

Slim Box

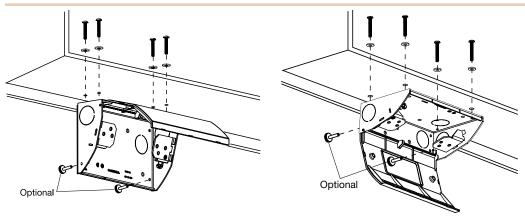


GFCI Fit Box



Vertical Mount

Horizontal Mount



Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



JLOAD® Multimedia Outlet

Make the Most of a Perfect Location

Install receptacles and voice/data devices exactly where they are needed, in the smallest space possible.

Features

- Accepts any snap fit jack configuration (see page Z10)
- Isolates low voltage and power in the same box
- Custom box mounting
- Provides for data, telephone and coaxial
- Available in 15 or 20 Amp



Note: Requires unique box shown below.

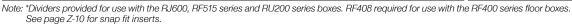
RJ620WTR







Special Use Products		UL/CSA	UL/CSA
Description	Color	Tamper-Resistant	Tamper-Resistant
JLOAD® Multimedia Outlet Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires JLOAD® Multimedia Box RJ600. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	RJ650BKTR RJ650GYTR RJ650ITR RJ650LATR RJ650WTR	RJ620BKTR RJ620GYTR RJ620ITR RJ620LATR RJ620WTR
JLOAD® Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	RJ65BKTR RJ65GYTR RJ65ITR RJ65LATR RJ65WTR	RJ62BKTR RJ62GYTR RJ62ITR RJ62LATR RJ62WTR
JLOAD® Multimedia Box 3 inches deep with seven ½-inch knockouts,	Steel	RJ600	RJ600



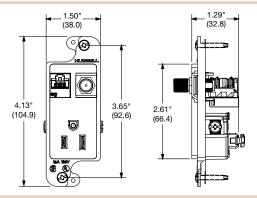
See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.

See page Tech-10 for Tamper-Resistant description.

non-metallic sheathed cable clamps on each side.

Dimensions

Screw in mounting to stud.





RJ620WTR



RJ62WTR



Dividers



RJ600

Dimensions in Inches (mm)



Decorator Switches - Technical Information

Features

- Smooth, quiet rocker action
- Self-grounding feature standard
- Ultrasonically welded cover and base provides maximum strength
- Push, back and side wiring
- Available colors: Black, Brown, Gray, Ivory, Light Almond and White



RSD115W

Specifications

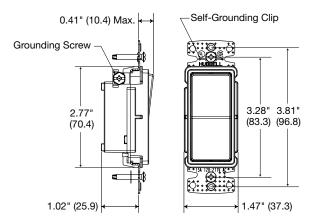
Switches	Component	Material
Typical Specification — Catalog Number RSD115xx Description — Decorator series rocker switch Type — Single Pole Rating — 15A, 120-277V AC	Base and body Rocker Terminals Mounting strap	PVC Polycarbonate Brass Galvanized steel
Certification — Listed to UL Standard 20 CSA Certified	Contacts Movable contact arm Terminal screws	Silver alloy Copper alloy Steel

Note: xx = Color: BK (Black), Blank (Brown), GY (Gray), I (Ivory), LA (Light Almond), and W (White).

Performance

Electrical	
Dielectric voltage	Withstands 1,500V AC minimum for 1 minute.
Max. working voltage	120V.
Overload	1.5 times rating.
Endurance	30,000 cycles minimum.
Mechanical	
Terminal accommodation	Back and side wire: #14 AWG min #12 AWG max. solid and stranded copper wire only; push wire: #14 AWG solid copper wire only.
Environmental	
Flammability	UL VO.
Operating temperatures	Maximum continuous 60°C; minimum -20°C (without impact).

Dimensions



Single-Pole Decorator Switch

Dimensions in Inches (mm)

SECTION AA

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New Marine Products



IMPROVED



Hubbell Marine 100 Amp Pin & Sleeve The Best Just Got Better...... Page AA-20

Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none. Hubbell developed the standard for 100 amp pin and sleeve devices with the National Electric Code and the American Boat and Yacht Council.

100 Amp Pin and Sleeve Devices **Improved Features:**

- UL Type 4X and IP69k Rated
- Compact and durable cap hinge is fully shrouded and protected
- VO flammability rating
- UV stabilized, impact resistant and chemical resistant housing to withstand the harshest environments



#316 Stainless Steel Housing

- Protects sensitive equipment on board from fluctuating or low voltage
- Converts various dockside power, such as 208 volt systems to the 120/240 volts needed on board
- Greatly reduces the possibility of stray current from your boat from leaking into the water, known as Electrical Shock Drowning (ESD)



Standard White Powder Coated Steel Housing

Available Options:

15 kVA and 25 kVA Models60 Hz and 50/60 Hz Models12.5% Auto-BoostWhite Powder Coated Steel Housing (Non-Boost Only)#316 Stainless Steel Housing (with and without Auto-Boost)

Additional Features

- Compact Size and Weight
- Two Full Current-Carrying Shields
- Vibration Resistant
- Exceeds ABYC's 4000 Volt HIPOT Test
- Full Capacity Taps = 1:1 Voltage Ratio

New Marine Products

USB Charger Receptacles with Type-C

Charge Faster with Hubbell Page AA-41

The smaller size USB Type-C connection will replace the traditional larger Type A connection

Now, with 5 amps of fast charging power Available in standard tamper-resistant version and in weather resistant versions

USB Type-C connection is:

- Smaller, 24 pin configuration
- More robust for reliable connection
- Quicker, simply plug in your cord







Type A&C

Type A

New Hubbell Weather Resistant and Extra Heavy Duty Corrosion Resistant Ground Fault ReceptaclesPage AA-42

Ground Fault Receptacle Features:

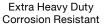
Hubbell's Weather Resistant offering:

- Meets NEC requirements for weather resistant, UV and corrosion resistance for harsh and damp locations
- Protects against line and load reversal

Extra heavy duty ground fault receptacles are designed to withstand the most demanding environments and applications:

- Nickel plated face contacts, mounting strap and terminals
- Stainless steel hardware
- Tamper and weather resistant make this the only corrosion resistant ground fault receptacle available





Weather Resistant

Stainless Steel Weatherproof and Watertight Flip Covers

- Heavy duty #316 stainless steel covers provide superior corrosion resistance while maintaining their smooth, polished finish
- Available in rain-tight or watertight, duplex and GFCI versions
- Horizontal or vertical mounting positions
- UL and cUL listed



Ship-to-Shore Selection Chart - Boatside

30A **125V AC** 2 Pole 3 Wire





HBL303SS



HBL26CM13



HBL60CM33W

Pages AA-8 to AA-12

50A **125V AC** 2 Pole 3 Wire



HBL503NM



HBL503SS





Pages AA-13 to AA-15

50A 125/250V AC 3 Pole 4 Wire









Pages AA-16 and AA-17

100A 125/250V AC 3 Pole 4 Wire



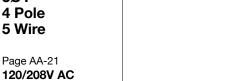
M4100B12R



Pages AA-18 to AA-20

100A 3ØY 4 Pole 5 Wire

277/480V AC







M5100B7R

M5100C9R M5100C7R

200A 600V AC/250V DC 50-400 Hertz 4 Pole 5 Wire

Pages AA-22 and AA-23

Telephone and **Cable TV Devices**

Portable







M5200BS1R









Pages AA-32 and AA-33

HBLPHTVNM

HBLTVSS

PH6624

PH7440

Ship-to-Shore Selection Chart - Dockside



YC310250 - 280' (85.3m) Yellow cable only. WC310280 - 280' (85.3m) White cable only.

HBL61CM08 & HBL61CM08LED - 50' (15.2m) HBL61CM05 & HBL61CM05LED - 35' (10.7m) HBL61CM03 & HBL61CM03LED - 25' (7.6m) HBL61CM08W & HBL61CM08WLED - 50' (15.2m) HBL61CM03W & HBL61CM03WLED - 25' (7.6m)

HBL61CM53 & HBL61CM53LED - 50' (15.2m)



HBL60CM31 HBL60CM31W



HBL26CM11 HBL26CM10



HBL74CM25WOA HBL74CM25WOAW



YC306250 - 250' (76.2m) Yellow cable only.



HBL77CM16 HBL77CM16W



HBL63CM70

HBL77CM74WO



YC406250 - 250' (76.2m) Yellow cable only.

HBL61CM52 & HBL61CM52LED - 50' (15.2m) HBL61CM42 & HBL61CM42LED - 25' (7.6m) HBL61CM52W & HBL61CM52WLED - 50' (15.2m) HBL61CM42W & HBL61CM42WLED - 25' (7.6m)



HBL77CM16 HBL77CM16W HBL63CM65



HBL63CM69



HBL77CM74WO



CS1004 - 100' (30.4m) 4-Wire **CS754** - 75' (22.8m) 4-Wire CS100IT4 - 100' (30.4m) 3-Wire CS754IT4 - 75' (22.8m) 3-Wire

CW125IT4 - 125' (38.0m) One-ended cable set for winches. CW100IT4 - 100' (30.4m) One-ended cable set for winches. CW754 - 75' (22.8m) One-ended cable set for winches. CS50EXT4 - 50' (15.2m) Extension cord.



M4100P12



M4100R12



CS100IT5 - 100' (30.4m) 4-Wire CS75IT5 - 75' (22.8m) 4-Wire



M5100P9 M5100P7



M4100C12

M5100C9



M5100R9 M5100R7

CW125IT5 - 125' (38.0m) One-ended cable set for winches. CW100IT5 - 100' (30.4m) One-ended cable set for winches. CS50EXT5 - 50' (15.2m) Extension cord.





M5200RS1





PH7440









HUBBELL[®] Wiring Device-Kellems

ELCI Interface Solutions

ABYC Code Requirements

Hubbell Marine Electrical continues its tradition of innovation by developing a simple, flexible method of adapting a variety of ELCI Sensors and Breakers to our traditional Stainless Steel and Non-Metallic Shore Power Inlet Housings.

Effective July 31, 2012, ABYC, E-11.11.1 requires that "An Equipment Leakage Circuit Interrupter (ELCI) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional over current protection as required by E-11.10.2.8.3, whichever is closer to the shore power connection".

Note: A faulty electrical connection at the dock or on a boat could result in stray electrical current in the water. Such stray current in Electrical Shock Drowning (ESD).

Hubbell's family of ELCI adaptive Shore Power Inlet Kits provide a simple, flexible, low-cost solution.

Kits Contain:

- Hubbell Shore Power Inlet
- Matching Shore Power Inlet Housing(s)
- Mounting Adapter Plate(s) for use with various ELCI Sensors and ELCI Breakers (not provided)
- Stainless Steel Hardware



An Equipment Leakage Circuit Interrupter (ELCI) provides 30mA ground fault protection for the entire AC shore power system beyond the ELCI









ELCI Interface Solutions

Hubbell ELCI Adapter Kits for North Shore Safety, Ltd® PGFM Series (ELCI Marine) Sensing Module and Sensata Technologies® ELCI Breakers

30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (2) Non-Metallic Inlet Housings, Adapter Plates and Hardware.



Breaker



Sensor



Power Inlet

HBL303NMELCI

Catalog Number

30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (1) Non-Metallic Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware.





HBL303NMELCIS

30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware.







HBL303SSELCI

30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (1) Stainless Steel Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware.





HBL303SSELCIS

50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware.







HBL504SSELCI

50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housing that adapts to a standard overcurrent-type circuit breaker.







HBL504SSELCIH

Blank Non-Metallic Inlet Housing and Hardware for mounting North Shore Safety ELCI Sensor only.



HBLRRELCI

Note: North Shore Safety's Sensor and Sensata Technologies Circuit Breakers (not provided) are separate devices each requiring their own blank shore power inlet interface.

Cable sets only.

Features and Benefits

30 Amp Cable Sets

• Bright, durable, LED (green) indicates "Power-ON"

• High intensity LED is visible—even in bright sunlight

• Totally molded design for superior waterproofing and durability

connections and longer life

Marine UL and cUL Listed





Housing Design

- New improved ergonomic styling
- Line-up notches to indicate: Locked - Unlocked
- Arrow indicating lock or unlock position
- Available in yellow or white colors



Interior Design

- Molded design totally encased in solid PVC material, for superior waterproofing and durability
- · Locking ring assures proper alignment of connector to inlet for complete contact and waterproofing; prevents accidental disengagement



• Bright green LED indicates "Power-ON"



Interior Design

- Strain relief bull ring protects against stress and strain on the conductors caused by boat movement, crew traffic and rough handling
- Exclusive copper crimp barrel termination provides protection against internal overheating as well as additional strain relief



Cord Flexibility

- Molded flexneck adds life to cable set by helping to prevent right-angle cable damage and pullout
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter; particularly in colder climates



Cable Set Options

- Available in 50, 35 and 25 foot lengths
- Available with or without LED
- Available in UV resistant yellow or white
- Marine UL and cUL Listed



Cable sets only.

30A Ship-to-Shore Devices

30 Amp Cable Sets and Bulk Cable

Our 30A 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.







HBL61CM08 HBL61CM05 HBL61CM03

HBL61CM08W HBL61CM05W HBL61CM03W

30A	125V	Cable	Sets	and	Bulk	Cable

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	HBL61CM08
Same as HBL61CM08 except 35 ft. (10.7m) in length.	HBL61CM05
Same as HBL61CM08 except 25 ft. (7.6m) in length.	HBL61CM03
Same as HBL61CM08 except in white in color.	HBL61CM08W
Same as HBL61CM05 except in white in color.	HBL61CM05W
Same as HBL61CM03 except in white in color.	HBL61CM03W

Note: See page AA-8 for features and benefits.

30A Cable Sets with LED "Power-ON" Indicator

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	HBL61CM08LED
Same as HBL61CM08LED except 35 ft. (10.7m) in length.	HBL61CM05LED
Same as HBL61CM08LED except 25 ft. (7.6m) in length.	HBL61CM03LED
Same as HBL61CM08LED except in white in color.	HBL61CM08WLED
Same as HBL61CM05LED except in white in color.	HBL61CM05WLED
Same as HBL61CM03LED except in white in color.	HBL61CM03WLED

Note: See page AA-8 for features and benefits.



HBL61CM08LED HBL61CM05LED HBL61CM03LED

Accessories

Description	Catalog Number
Yellow 250 ft. (76.2m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 250 ft. (76.2m) lengths only.	YC310250
White 280 ft. (85.3m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 280 ft. (85.3m) lengths only.	WC310280
Replacement non-metallic sealing ring for 30A cable sets and boots.	RPL30P*

Note: *Not UL Listed.



YC310250



RPL30P



30A Ship-to-Shore Devices

30 Amp 125 Volt Shore Power Inlets and Outlet

Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included.

- Friction tight self-closing cover assures the interior is shielded from the elements when the inlet is not in use
- Neoprene gasket on underside of cover. For sealing when the cover is closed
- Mirror stainless steel finish for superior appearance



Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover





Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Mounting holes are 2.38 in. (60.3)
- Polycarbonate interior has superior heat resistance



HBL303NM



HBI CRISS



HBLCBINM



30A 125V Twist-Lock® Devices	NEMA L5-30R UL/CSA
Description	Catalog Number
Stylized UV resistant non-metallic shore power inlet has white Centrex® cover which makes unit weatherproof when completely closed. Interior has easy-to-wire terminations and is transparent for quick and easy visual inspection. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. IP55 suitability.	HBL303NM
Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. IP56 Suitability.	HBL303SS
Traditional stainless steel inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. IP56 SUITABILITY.	HBLCBISS
Stylized non-metallic inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. IP55 SUITABILITY.	HBLCBINM
Protective rear cover. Fits all 30A shore power inlets. Secures to back of inlets with three screws which are provided.	SR3050*
Replacement interior for HBL303SS and 60CM61 shore power inlets.	HBL303INT
Traditional stainless steel power outlet has gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. IP56 SUITABILITY.	HBL303SSO
Nickel plated brass adapter plate for mounting 30A traditional style shore power inlets and outlets to FS/FD box.	HBL60CM75
Note: *Not I II Listed or CSA Certified	



Terminations

- Easy-to-wire interior is transparent for quick, visual inspection of terminations
- #SR3050 protective rear enclosure cap attaches to contact carrier with 3 screws



Centrex® is a registered trademark of LANXESS Corporation.



30A Ship-to-Shore Devices



30A 125V Twist-Lock® Devices

Description	Catalog Number
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. IP20 SUITABILITY.	HBL26CM11
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief.	HBL26CM13
Yellow single receptacle has Rynite® body and abuse resistant nylon face. IP20 suitability.	HBL26CM10



HBL26CM11

1	



HBL26CM13



HBL26CM10







HBL60CM31





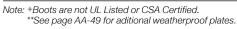


HBL60CM32

Boots and Weatherproof Plates	
Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 plugs. IP44 suitability. Note: Fits Insulgrip devices only.	HBL60CM31+
White Seal-Tite cover for weatherproofing HBL26CM11 plugs. IP44 suitability. Note: Fits Insulgrip devices only.	HBL60CM31W+
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. IP56 SUITABILITY. Note: Fits Insulgrip devices only.	HBL60CM33+
White Seal-Tite cover for weatherproofing HBL26CM13 connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. IP56 SUITABILITY. Note: Fits Insulgrip devices only.	HBL60CM33W+
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used on extension cords or adapters. IP44 SUITABILITY. Note: Fits Insulgrip devices only.	HBL60CM32+
Yellow polycarbonate spring-loaded lift cover for weather-proofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	HBL74CM24WO**
Same as HBL74CM24WO except gray in color. IP44 suitability.	HBL7424WO**
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP44 suitability.	HBL74CM25WOA**
Same as HBL74CM25WOA except white in color. IP44 suitability.	HBL74CM25WOAW

Stainless steel wall plate for new HBL26CM10.

Stainless steel wall plate for old 26CM10.



Same as HBL74CM25WOA except gray in color. IP44 suitability.



HBL74CM25WOAW



SS725

Rynite® is a registered trademark of E. I. DuPont.

HBL7425WOA**

SS725 SS720



Plugs and connectors only.



30A Ship-to-Shore Devices

30 Amp Valise® Devices

A unique system of special locking lugs interlock the blade holder and sides as the plug is closed. These load bearing lugs provide strength and security and keep the Valise intact.





Housing Design

- Nylon body
- Wiring time is reduced. Large easy to wire clamp type terminals eliminate the need to wrap conductors around a screw



Interior Design

- Exclusive nylon webs are provided to make wiring quick and easy by joining the three sections together during assembly
- Powerful cord grips resist conductor slip and strain on wiring terminals
- Nickel plated brass contacts for corrosion resistance



HBL26CM11V



HBL26CM11VB



HBL26CM13V



HBL60CM31V





Terminations

- Terminals provide a superior electrical connection by "bundling" the conductors when the clamps are tightened
- Two captive stainless steel assembly screws



30A 125V Twist-Lock® Devices

30A 123V TWIST-LOCK Devices	UL/CSA
Description	Catalog Number
Yellow Valise® plug has one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). IP20 SUITABILITY.	HBL26CM11V
Black Valise plug for use on bass boats with trolling motor. One-piece nylon housing assembles easily with two screws. Built-in cord grip has a range of .59–.93 in. (15.0–23.6). IP20 SUITABILITY.	HBL26CM11VB
Yellow Valise connector body has a one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). IP20 SUITABILITY.	HBL26CM13V

Boots and Replacement Parts

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing HBL26CM11V plugs. IP44 suitability. Note: Fits Valise devices only.	HBL60CM31V**
Yellow Seal-Tite cover for HBL26CM13V connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. IP56 SUITABILITY. Note: Fits Valise devices only.	HBL60CM33V**
Yellow Seal-Tite cover for weatherproofing HBL26CM13V connector bodies when used on extension cords or adapters. IP44 SUITABILITY. Note: Fits Valise devices only.	HBL60CM32V**
Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL listed.	RPL30P*

Note: **Not UL Listed or CSA Certified. *Not UL Listed.

Cable sets only.

Features and Benefits

50 Amp Cable Sets

 Two bright and durable LEDs. GREEN indicates "Power-ON" and RED indicates "Incorrect Wiring" at the power source

• High intensity LEDs are visible—even in bright sunlight

• Totally molded design for superior waterproofing and durability

 Exclusive copper crimp barrel terminations for tighter connections and longer life

• Marine UL and cUL Listed



Note: Cable sets must be fully extended before using.



Housing Design

- New improved ergonomic styling
- Line-up notches to indicate: Locked - Unlocked
- Stainless steel threaded sealing ring to provide a watertight seal when mated with the shore power inlet
- Nickel plated brass shell for positive alignment of keying and corrosionresistance



Interior Design

- Thermoset contact carrier is arcing and heat resistant
- Nickel plated brass contact blades for corrosion-resistance



Safety

- Arrow with ground symbol allows lining up with ground of receptacle
- Bright green LED indicates "Power-ON";
 Bright red LED indicates "Incorrect Wiring" at the power source



Superior Termination

- Bull ring for strain relief on the terminals
- Exclusive copper crimp barrel termination provides protection against internal overheating and burnout compared to brass crimps



Cord Flexibility

- Molded-in flex feature controls the angle of cord entry and keeps water out
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter



Cable Set Options

- Available in 50 and 25 foot lengths
- Available in yellow or white
- Cords for winch systems available upon request
- Marine UL and cUL Listed

50A Ship-to-Shore Devices

50 Amp 125 Volt Traditional Stainless Steel Inlets

Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included.

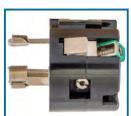
- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use
- Neoprene gasket on underside of cover, for sealing when the cover is closed





Housing Design

- Base and cover end threads are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Pressure screw terminals for secure terminations clearly marked for easy identification
- Thermoset contact carrier is arcing and heat resistant



HBL503NM



HBL63CM60





HBL77CM17



Terminations

- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance



50A 125V Twist-Lock® Devices

OUA IZOV IVISE ZOOK DEVICES	
Description	Catalog Number
Stylized non-metallic shore power inlet has UV resistant white Centrex® cover which makes unit weatherproof when completely closed. Interior has easy to wire terminals. Mounting noles are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. IP55 SUITABILITY.	HBL503NM
Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included. IP56 SUITABILITY.	HBL503SS
Nickel plated brass connector body has heat resistant thermoset interior and combination metal and rubber cord grip provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). IP20 suitability.	HBL63CM60

Boots and Replacement Parts

Catalog Number
SR3050**
CR16277
HBL77CM15**
HBL77CM15W**
HBL77CM67
HBL77CM17**

Note: **Not UL Listed or CSA Certified.

Centrex® is a registered trademark of LANXESS Corporation.



Cable sets only.

50A Ship-to-Shore Devices

50 Amp 125 Volt Cable Sets and Bulk Cable

50A 125V Cable Sets and Twist-Lock® Devices

Our 50A 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.



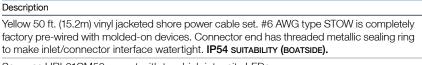


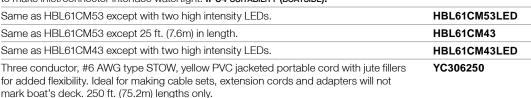
Catalog Number

HBL61CM53



HBL61CM53 HBL61CM43





Nickel plated brass plug has heat resistant thermoset interior and combination metal and rubber cord grip, provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1-29.0). IP20 SUITABILITY.

Single receptacle has a heat-resistant thermoset base. IP20 suitability.

HBL63CM61*







HBL61CM53LED

HBL61CM43LED

HBL63CM61

Note: *UL Listed and CSA Certified.

See page AA-13 for features and benefits.

Boots and Weatherproof Plates

Boots and weatherproof Plates	
Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing 50A plugs. IP55 suitability.	HBL77CM16**
White Seal-Tite cover for weatherproofing 50A plugs. IP55 suitability.	HBL77CM16W**
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	HBL77CM74WO
Same as HBL77CM74WO except gray in color. IP44 sultability.	HBL7774WO
Stainless steel wall plate for 50A receptacle.	SS750

Note: **Not UL Listed or CSA Certified.



HBL63CM70











Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.





50A Ship-to-Shore Devices

50 Amp 125/250 Volt Traditional Stainless Steel Inlets

Traditional stainless steel shore power inlet has gasketed, selfclosing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included.

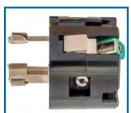
- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the
- Neoprene gasket on underside of cover. For sealing when the cover is closed





Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal; when in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Pressure screw terminals for secure terminations clearly marked for easy
- Thermoset contact carrier is arcing and heat resistant



HBL504NM

Terminations

- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance



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	host	

HBL63CM64



HBL77CM15



50A 125/250V Twist-Lock® Devices	125/250V UL/CSA
Description	Catalog Number
Stylized non-metallic shore power inlet has UV resistant white Centrex® cover which makes unit weatherproof when completely closed. Interior is heat resistant thermoset material and has box lug terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. IP55 SUITABILITY.	HBL504NM
Traditional stainless shore power inlet has gasketed, self-closing cover so that the interior is shielded from the elements when not in use. It is watertight when the cover is securely fastened. The mounting holes are 2.38 in. (60.3) on centers and the rear portion has a 2.17 in. (55.1) diameter. Mounting screws and gasket are included. IP56 SUITABILITY.	HBL504SS
Nickel plated brass connector body has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). IP20 SUITABILITY.	HBL63CM64

Boots and Weatherproof Plates	
Description	Catalog Number
Protective rear cover. Fits all inlets except HBL504SS. Secures to back of inlets with three screws which are provided.	SR3050**
Replacement interior for 63CM74 and HBL504SS power inlets.	CR16279**
Yellow Seal-Tite [®] cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. IP56 SUITABILITY.	HBL77CM15**
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. IP56 SUITABILITY.	HBL77CM15W**
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. IP55 suitability.	HBL77CM17**
Nickel plated brass cord clamp assembly with clamp range of .44-1.14 in. (11.1-29.0) provides strain relief for terminations on shore power inlets.	HBL77CM67
Note: **Not UL Listed or CSA Certified.	

Centrex® is a registered trademark of LANXESS Corporation.



Cable sets only.

50A Ship-to-Shore Devices

50 Amp 125/250 Volt AC Cable Sets and Bulk Cable

Our 50A 125/250V AC cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.



50A 125/250V Cable Sets and Twist-Lock® Devices

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. IP56 suitability (BOATSIDE).	HBL61CM52
Same as HBL61CM52 except with two high intensity LEDs	HBL61CM52LED
Same as HBL61CM52 except white in color.	HBL61CM52W
Same as HBL61CM52LED except white in color.	HBL61CM52WLED
Yellow 25 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. IP56 suitability (BOATSIDE).	HBL61CM42
Same as HBL61CM52LED except 25 ft. (7.6m) in length.	HBL61CM42LED
Same as HBL61CM42 except white in color.	HBL61CM42W
Same as HBL61CM42LED except white in color.	HBL61CM42WLED
Four conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility is ideal for making cable sets, extension cords and adapters that will not mark the boats deck. Available in 250 ft. (76.2m) lengths only.	YC406250
Nickel plated brass plug has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). IP20 SUITABILITY.	HBL63CM65*
Single receptacle has a heat resistant thermoset base. IP20 suitability.	HBL63CM69*

Note: *UL Listed and CSA Certified.

See page AA-13 for features and benefits.



HBL61CM52 HBL61CM52W HBL61CM42

HBL61CM52LED HBL61CM42LED



HBL63CM65

Boots and Weatherproof Plates

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing 50A plugs. IP55 suitability.	HBL77CM16**
White Seal-Tite® cover for weatherproofing 50A plugs. IP55 suitability.	HBL77CM16W**
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	HBL77CM74WO
Same as HBL77CM74WO except gray in color. IP44 suitability.	HBL7774WO
Stainless steel wall plate for 50A receptacle.	SS750

Note: **Not UL Listed or CSA Certified.



HBL63CM69







HBL77CM16

HBL77CM16W





Features and Benefits

100 Amp Pin and Sleeve Devices

- Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none
- Hubbell developed the standard for 100 amp Pin and Sleeve devices with the National Electric Code and the American Boat and Yacht Council





Housing Design

- Supertough nylon housing provides increased safety and abuse resistance
- High visibility yellow, STOW cable, 105°C rated and UL listed
- The gasketed locking ring engages the mating device and when rotated and locked makes the interface between the devices watertight



Housing Design

- Nylon housing provides increased safety and resistance
- The gasketed, self-closing cover is keyed to normally seat in a position that provides a weatherproof seal; simply rotating the cover and locking it makes it watertight
- The device is marked with its catalog number and rating for easy identification



Interior Design

- High impact thermoset contact carrier is arcing and heat resistant
- Two screw pressure terminals provide reliable terminations
- Nickel plated solid brass pins provide for long life and reliable electrical contact in corrosive environments
- Special keying makes proper alignment of mating devices quick and easy



Interior Design

- High impact thermoset contact carrier is arcing and heat resistant
- The terminals are clearly identified with large markings for easy recognition
- Nickel plated solid brass contacts provide for long life and reliable electrical contact in corrosive environments
- Special keying makes proper alignment of mating devices quick and easy



Exterior Design

- Massive external cable grips protect the wiring from conductor movement which can cause strain on the terminals
- All screws are stainless steel for corrosion resistance
- The device is marked with its catalog number and rating for easy identification

100A Ship-to-Shore Devices

100 Amp Cable Sets

• Only Hubbell offers 3, 4 and 5 wire 100 amp cable sets for your shore power requirements



Note: Cable sets must be fully extended before using.







100A P	n and	Sleeve	Cable	Sets
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100A Pin and Sieeve Cable Sets	125/250V AC	120/208V AC
Description	Catalog Number	
Yellow 75 ft. (22.8m) corrosion-resistant shore power cable set, 105°C rated, #2 AWG, (no neutral), STOW cable with plug and connector body for use with boats with isolation transformer on board.	CS75IT4*	CS75IT5
Same as above except 100 ft. (30.4m) in length.	CS100IT4	CS100IT5
Yellow 75 ft. (22.8m) corrosion-resistant shore power cable set, 105°C rated, #2 AWG, STOW cable.	CS754	_
Same as CS754/5 except 100 ft. (30.4m) in length.	CS1004	_
Yellow 50 ft. (15.2m) corrosion-resistant extension cord, 105°C rated, #2 AWG, STOW cable. For mating with existing shore power cable set.	CS50EXT4	CS50EXT5
Yellow 75 ft. (22.8m) corrosion-resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, STOW cable with 3 pole 4 wire male plug only; for use with boats using a cable winch system.	CW754	_
Yellow 100 ft. (30.4m) corrosion-resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, (no neutral) STOW cable with male plug only; for use with boats with isolation transformer on board and a cable winch system.	CW100IT4	CW100IT5
Same as CW100IT4/5 except 125 ft. (38.0m) in length.	CW125IT4	CW125IT5
Same as CW100IT4/5 except white in color.	CW100IT4W	_

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

*Also available in white, consult factory.



CS75IT4 CS100IT4



CS100IT4W



100A Ship-to-Shore Devices



M4100P12



M4100R12



M4100C12



M4100B12R



M4100C12R



FW60100



Dimensions in Inches (mm)

100A 125/250V Pin and Sleeve Devices



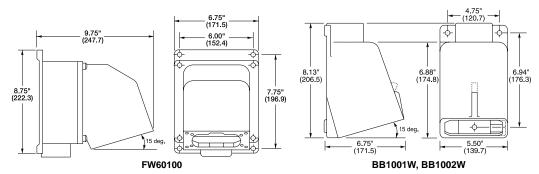
Mounting screws and gasket included. IP56 suitability. Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring M4100C12R to make inlet/connector interface watertight. Cord grip range is 1.06-1.94 in. (26.9-49.3). Note: This device mates with shore power inlet only. IP56 suitability.

100A Back Boxes and Accessories

Description	Catalog Number
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion-resistant gray alkyd-based enamel finish and 1½ in. NPT hub which can be mounted for either top or bottom feed. IP56 SUITABILITY.	FW60100
15° angle cast aluminum back box has corrosion-resistant gray finish and top hub with 1½ in. NPT 100A receptacles can be mounted directly to it.	BB1001W
Same as BB1001W except threaded top hub is 2 in. NPT.	BB1002W
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). IP57 suitability.	BB100N
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	PC100
Replacement lift cover assembly; includes cover, arm and assembly tool.	CA100
Replacement locking ring and cord clamp.	CC100
Replacement locking ring only.	LR100

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

Product Dimensions Inches (mm)



Zytel® is a registered trademark of E.I. DuPont. Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



100A Ship-to-Shore Devices



M5100B9R

M5100C9R



M5100B7R

M5100C7R

	~>
100A 3ØY 120/208V and 3ØY 277/480V Devices	100A 30 120/208V

Description	Catalog Number	er
Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). IP56 SUITABILITY.	M5100P9	M5100P7
Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. IP56 SUITABILITY.	M5100R9	M5100R7
Yellow Zytel® super tough nylon watertight connector body for making plug	M5100C9	M5100C7

Yellow Zytel® super tough nylon watertight connector body for making plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. **IP56 SUITABILITY.**

Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included.

IP56 SUITABILITY.

Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range

is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. **IP56 SUITABILITY.**

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M5100P9



M5100R9



M5100C9

100A Back Boxes and Accessories

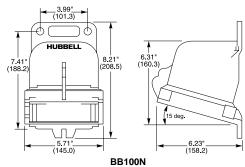
Description	Catalog Number
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion-resistant gray alkyd-based enamel finish and 1½ in. NPT hub which can be mounted for either top or bottom feed. IP56 SUITABILITY.	FW60100
15° angle cast aluminum back box has corrosion-resistant gray finish and top hub with 1½ in. NPT 100A receptacles can be mounted directly to it.	BB1001W
Same as BB1001W except threaded top hub is 2 in. NPT.	BB1002W
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). IP57 SUITABILITY.	BB100N
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	PC100
Replacement lift cover assembly; includes cover, arm and assembly tool.	CA100
Replacement locking ring and cord clamp.	CC100
Replacement locking ring only.	LR100

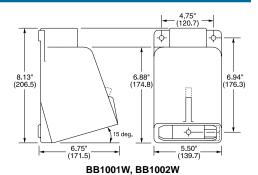
Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

M5100B9R

M5100C9R

Product Dimensions Inches (mm)





Zytel® is a registered trademark of E.I. DuPont. Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



BB100N



PC100

Dimensions in Inches (mm)





Features and Benefits

200 Amp Pin and Sleeve Devices

Hubbell was the first to offer a UL listed 100 amp Marine Ship-To-Shore System... and now, we are the first to offer a UL listed 200 amp Marine Ship-To-Shore System.

The only 200 amp rated Ship-to-Shore System - built specifically for Mega-Yachts.

Hubbell 200 amp devices are listed to UL1682 and UL Classified for the mating and operation of 200 amp devices. Mates with Cooper® Crouse-Hinds® Arktite® or Appleton® Powertite® (when installed in accordance with instructions furnished with device).





Housing Design

- Pins and Sleeves are made of nickelplated Tellurium copper for superior corrosion and heat resistance
- UL Listed and CSA Certified



Housing Design

- Housing is made of copper-free aluminum with an electrostatically applied epoxy/polyester finish
- Type 3, 4, 4X Rated per UL50 standard for superior water resistance



Interior Design

- Interchangeable with other "UL1686 Series C1" Listed devices
- Terminal screws feature swivel/pressure pads to secure and prevent damage to conductors strands



Interior Design

- Interchangeable with other "UL1686 Series C1" Listed devices
- Terminal screws feature swivel/pressure pads to secure and prevent damage to conductors strands



Exterior Design

- Cable clamp captures cable at four points, provides superior retention
- Accepts a cord range of #1 AWG 250 MCM

Appleton® and Powertite® are registered trademarks of Appleton Electric Company. Cooper Crouse-Hinds® and Arktite® are registered trademarks of Cooper Industries, Inc.



200A Ship-to-Shore Devices

200A 600V AC/250V DC. 50-400 Hertz Pin and Sleeve Devices



200A 600V AC/250V DC, 50-400 Hertz Pin and Sieeve Devices	600V AC/250V DC	
Description	Catalog Number	
Gray metallic, watertight boatside power inlet with wingnut-secured lid for water tightness when not in use.	M5200BS1R	
Gray/yellow metallic, watertight boatside connector body with locking ring to make inlet/connector body interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.5 in. (25.4-6.35).	M5200CS1R	
Gray/yellow metallic, watertight dockside plug with locking ring to make plug/receptacle interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.5 in. (25.4-6.35).	M5200PS1	
Gray metallic, watertight dockside receptacle with wing nut-secured lid for water tightness when not in use.	M5200RS1	
Gray/yellow metallic, watertight dockside connector body with wing nut-secured lid for water tightness when not in use. For making plug/connector body interface on extension cords or adapters.	M5200CS1	



M5200BS1R



M5200CS1R

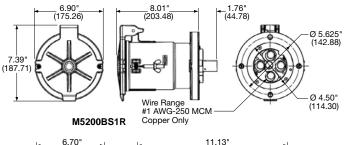
200A Back Boxes

Description	Catalog Number
Gray metallic back box for inlets and receptacles has 45° angle section which can be installed in any of 4 positions, 2 in. NPT hub.	MB2003W
Gray metallic back box – same as above but 2½ in. NPT hub.	MB2004W



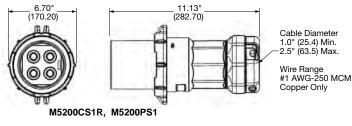
M5200PS1

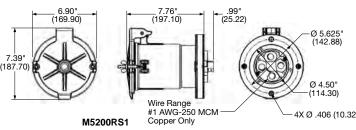
Product Dimensions Inches (mm)



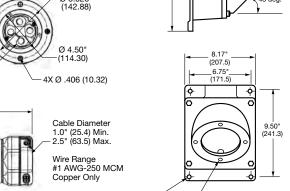


M5200RS1



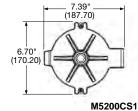


13.65"





MB2003W



(4X) Ø .44 (11.1) (4X) 3/8-16 UNC MB2003W

10.82" (274.8)

Dimensions in Inches (mm)

Features and Benefits

Internationally Rated Conventional-Styled Devices

Hubbell offers the only CE certified electrical shore power systems truly dedicated for boats destined for Europe and the International community. Hubbell's offering of international shore power inlets are available in traditional #316 stainless steel and attractive white non-metallic types resembling our domestic offering in style and appearance but are not interchangeable with the domestic shore power system.

Utilizing standard NEMA (National Electrical Manufacturer's Association) configurations not typically used in the marine market, Hubbell can offer a safe and non-interchangeable 16 amp 230 volt system and 32 amp 230 volt system for use with 50 cycle systems. The system includes white power supply cables (one-end, female only) in both the 16 amp and 32 amp categories.

Hubbell also offers a series of Internationally Rated Pin and Sleeve Devices, available in 16A, 32A and 63A 240V, these devices are interchangeable with other manufactures of UL1686 C1 devices.





Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Self-closing cover is friction tight to remain open while engaing cable set and shields the interior from the elements when the inleet is not in use



Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Watertight seal when in use, threaded base mates to the threaded ring of the watertight cover on the connector body; when not in use, it mates to the threaded cover



Housing Design

- White Centrex® cover and PBT base, weatherproof when closed
- Easy to wire polycarbonate interior is heat resistant and clear for visual inspection (16 amp and 32 amp)



Terminations (63 Amp)

- Thermoset contact carrier is arcing and heat resistant
- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance

30A / 32A

IP66

60A / 63A







Internationally Rated* Pin and Sleeve Devices, 2 Pole Plus Earth (=) *Now Dual-Rated to match North American Configurations as well as International

Description 220-240V / 250V Shore power inlet with mounting holes 3.13 in. (79.3) on **HBL320B6W HBL330B6W HBL360B6W** centers and 2.72 in. (69.1) diameter on rear portion. Connector body with cord grip range of .36-.83 in. (9.1-21.1). HBL320C6W HBL330C6W HBL360C6W Shore power receptacle with mounting holes 3.13 in. (79.3) HBL320R6W HBL330R6W HBL360R6W on centers and 2.72 in. (69.1) diameter on rear portion. Plug with cord grip range of .36-.83 in. (9.1-21.1). HBL320P6W HBL330P6W HBL360P6W Closure plug for inlets. PC320** PC3430** PC60** Back box for inlets and receptacles is cast aluminum **BB201W BB301W BB601W** with corrosion-resistant alkyd-based enamel finish and two 34 in. NPT hubs. Feed-thru box for inlets and receptacles is cast FT202W FT202W FW60100 aluminum with corrosion-resistant alkyd-based enamel finish and one ¾ in. NPT hubs.

16A / 20A

Note: **Not CSA Certified.

Centrex® is a registered trademark of LANXESS Corporation.

Internationally Rated Conventional-Styled Devices

Twist-Lock® Devices, Ship-To-Shore Power System

Description	16A 230V	32A 230V, 50 Cycle
Non-metallic, white, stylized, UV resistant shore power inlet. White Centrex® cover makes the inlet weatherproof when closed. Mounting holes are 2.38 in. (60.3) on centers and match most existing mounting patterns. Rear enclosure strain/relief cap is provided. IP55 SUITABILITY.	HBL316NM	HBL332NM
Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. IP56 SuITABILITY.	HBL316SSX	HBL332SSX
Yellow locking connector replacement end for HBL316CS25 and HBL316CS. IP20 suitability.	HBL316CRCX	HBL332CRCX
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. IP56 sultability.	HBL60CM33W	HBL60CM33W
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. IP56 suitability.	HBL60CM33	HBL60CM33



HBL316NM HBL332NM



HBL316SSX HBL332SSX



HBL316CRCX HBL332CRCX



HBL60CM33 HBL60CM33W







HBL363CRP







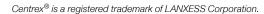
HBL363CRR

63A 230V Ship-To-Shore Power Systems

Description	Catalog Number
Traditional, stainless steel shore power inlet, including higher-quality metal threads, heat-resistant thermoset interior and box lug terminals. IP56 suitability.	HBL363SSX
Nickel plated brass plug with heat-resistant thermoset interior and box lug terminals cord grip range is .44 – 1.14 in. (11.1 - 29.0). IP55 SUITABILITY.	HBL363CRP
Nickel plated brass connector body with heat-resistant thermoset interior and box lug terminals. Cord grip range is .44 – 1.14 in. (11.1 - 29.0). IP55 SUITABILITY.	HBL363CRC
Single receptacle with heat-resistant thermoset base. IP20 suitability.	HBL363CRR
Yellow Seal-Tite® cover for connector bodies when used with 63A shore power inlets. Stainless steel threaded sealing ring makes connections watertight. IP56 SUITABILITY.	HBL77CM15
Same as HBL77CM15 except white in color.	HBL77CM15W
Yellow Seal-Tite® cover for 63A plugs. IP55 suitability.	HBL77CM16
Same as HBL77CM16 except white in color.	HBL77CM16W







Features and Benefits

Intelligent Y Adapters

YQ230 - Safely powers a 50A 125/250V AC boat from two 30A 125V AC receptacles at dockside.*

Problem: A boat owner with one electrical system on board docks in a marina that can only provide a different electrical system.

Solution: Use of the Hubbell YQ series of Intelligent Adapters can correct many electrical system mismatches.

Note: *The two 30 amp receptacles must be on separate phases to function.





Housing Design

- Rugged UV resistant high-impact housing
- Environmentally sealed against humidity, fog and rain
- Cord clamps prevent strain on terminals
- Sealing grommets keep moisture out



Safety

- Safety indicator light, (when ON, safe operation is indicated)
- 3 pole contactor breaks both hots and neutrals to prevent possibility of "live" plug when not engaged

Intelligent Y Adapters

Description	Catalog Number
Adapter that permits use of 50A 125/250V AC cable set. (HBL61CM52), with two 30A 125V AC receptacles, HBL26CM10.	YQ230
Adapter that permits use of 100A 125/250V AC cable set. (CS754, CS1004) with one or two 50A 125/250V AC receptacles, HBL63CM69.	YQ100PLUS

Note: The YQ230 Adapter will only work with two 30A receptacles that are on different phases.

The YQ100PLUS Adapter must be plugged into two 50A 125/250V AC receptacles that are on the same phase to achieve 100 amp, 125/250 volts power —or the "A" leg 50A male can be plugged into a single 50A 125/250V AC receptacle to achieve 50 amp, 125/250 volts power.

Intelligent Y Adapters

YQ100PLUS - Safely powers a 100A 125/250V AC boat from two 50A 125/250V AC receptacles at dockside -or- from a single 50A 125/250V AC receptacle acting as a single adapter.

Internal Logic Senses That:

- Both plugs are fully engaged (i.e., one is not dangling loose while the other is plugged in) -or- the "A" leg plug is engaged to access a single 50A 125/250V receptacle
- The polarity of the receptacle on the dock is correct (i.e., no mis-wiring of the hot and neutral wires)
- The two receptacles are from correct phases

CAUTION: This adapter must be connected to an onboard, center-tapped isolation transformer or shore power converter. DO NOT USE this adapter if such a transformer or converter is not available.





Housing Design

- Rugged, smaller, lighter-weight enclosure
- Environmentally sealed against humidity, fog and rain
- Sealing grommets keep moisture out



Safety

- Indicator lights indicate correct polarity and safe operation
- "A" leg for accessing a single 50A 125/250V receptacle

Features and Benefits

Hubbell Molded Adapters

Hubbell Straight Adapters (pigtails) and "Y" Adapters are built to the same standards as all Hubbell Shore Power Cords.

Filled with end-to-end features and weathertight when mated with Hubbell shore cords without the need for extra collars, etc.

Hubbell Marine Adapters deliver the power you need.

- Available in a variety of configurations
- Now CSA Compliant





Housing Design

- Fully molded fittings (except 100A) for superior waterproofing and durability
- Hubbell adapters are weatherproof when mated with Hubbell cable sets



Interior Design

- Terminations utilize exclusive copper crimp barrel terminations, holds over 300% more securely
- Bull ring for strain relief on the terminals
- Nickel plated brass contact blades for corrosion-resistance



Safety

- Provides 15 amp convenience power with GFCI protection
- Manual reset button
- High impact PVC housing, UV stabilized
- Sealed GFCI housing and keypad
- Large LED power "ON" light



Cord Flexibility

- Molded-in flex feature controls the angle of cord entry and keeps water out
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter



Adapter Selection Guide

Boat/Cable Set Side Connector Body (Female End)	Mold	ed Straight Adapt	ters	Power Center/Dock Side Plug (Male End)
15A 125V, 2P 3W Straight Blade with GFCI protection		HBL105GF	(V) JG	30A 125V, 2P 3W Twist-Lock®
30A 125V, 2P 3W Twist-Lock		HBL61CM22 HBL61CM22W	w I I	15A 125V, 2P 3W Straight Blade (lock type)
30A 125V, 2P 3W Twist-Lock		HBL61CM25	(V, 1c)	20A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock		HBL61CM54	w	15A 125V, 2P 3W Straight Blade
30A 125V, 2P 3W Twist-Lock		HBL61CM55	(Iw	50A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock		HBL61CM56	(V) 1G)	30A 125V, 2P 3W Twist-Lock
30A 125V, 2P 3W Twist-Lock		HBL61CM71		50A 125/250V, 3P 4W Twist-Lock
50A 125V, 2P 3W Twist-Lock		HBL61CM72		50A 125/250V, 3P 4W Twist-Lock
100A 125/250V, 3P 4W Pin and Sleeve		HBL61CM100	(X X	50A 125/250V, 3P 4W Twist-Lock
	N	lolded Y Adapters		
(2) 30A 125V, 2P 3W Twist-Lock		HBL64CM54	(X X X	50A 125/250V, 3P 4W Twist-Lock
2) 50A 125V, 2P 3W Twist-Lock		HBL64CM55	(X X	50A 125/250V, 3P 4W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock		HBL64CM56	W JG	30A 125V, 2P 3W Twist-Lock
2) 30A 125V, 2P 3W Twist-Lock		HBL64CM57	(S) Ivi	50A 125V, 2P 3W Twist-Lock
	O	ne Piece Adapters	;	
30A 125V, 2P 3W Twist-Lock		HBL31CM28	w I I	15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade	[] [¬w]	HBL31CM29	(v) 1c)	30A 125V, 2P 3W Twist-Lock
20A 125V, 2P 3W Twist-Lock	(G() (W)	HBL21CM28	w I I	15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade		HBL21CM29	(V. 10)	20A 125V, 2P 3W Twist-Lock

Note: See page AA-27 for features and benefits. See page AA-29 for photographs and descriptions.



Molded Adapters

Molded Straight Adapters - Now CSA Compliant

Description	Catalog Number
Permits use of 20A 125V Twist-Lock [®] locking type plug with 15 or 20A 125V straight blade receptacle. IP20 suпавішту.	HBL21CM28*
Permits use of 15A or 20A 125V straight blade plug with 20A 125V Twist-Lock locking type receptacle. IP20 suitability.	HBL21CM29*
Permits use of 30A 125V Twist-Lock locking type plug with 15 or 20A 125V straight blade receptacle. IP20 surтавішту.	HBL31CM28
Permits use of 15A or 20A 125V straight blade plug with 30A 125V Twist-Lock ocking type receptacle. IP20 suitability.	HBL31CM29
Permits use of 30A 125V cable set, HBL61CM08 with 15 or 20A 125V straight blade receptacle. Anchor locking screw on plug when screwed down resists pullout of the cable set. IP55 suitability (Connector).	HBL61CM22
Same as HBL61CM22, except white.	HBL61CM22W
Permits use of 30A 125V cable set, HBL61CM08 with 20A 125V Twist-Lock receptacle, HBL23CM10. IP55 suitability (Connector).	HBL61CM25
Permits use of 50A 125V cable set, HBL61CM53 with 15 or 20A 125V straight blade receptacle. IP55 suitability (Connector).	HBL61CM54
Permits use of 30A 125V cable set, HBL61CM08 with 50A 125V Twist-Lock receptacle, HBL63CM70. IP55 SUITABILITY (CONNECTOR).	HBL61CM55
Permits use of 50A 125V cable set, HBL61CM53 with 30A 125V Twist-Lock receptacle, HBL26CM10. IP55 suitability (Connector).	HBL61CM56
Permits use of 30A 125V cable set, HBL61CM08 with 50A 125/250V Twist-Lock receptacle, HBL63CM69. IP55 suitability (Connector).	HBL61CM71▲
Permits use of 50A 125V cable set, HBL61CM53 with 50A 125/250V Twist-Lock receptacle, HBL63CM69. IP55 suitability (Connector).	HBL61CM72 [▲]
Permits use of 15A 125V 3 wire straight blade plug with 15 or 20A 125V 2 wire straight blade receptacle. IP55 surtability (Connector).	HBL5273L*
Permits a 100A 125/250V cable set to plug into a single 50A 125/250V outlet. P55 SUITABILITY (CONNECTOR).	HBL61CM100**
Permits use of 15A straight blade plug with 30A 125V Twist-Lock receptacle; with GFCI protection. IP55 suitability (Plug).	HBL105GF**



HBL31CM28



HBL21CM29









HBL61CM100





Molded Y Adapters — Now CSA Compliant

Description	Catalog Number
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125/250V receptacle, HBL63CM69. IP55 SUITABILITY (CONNECTORS).	HBL64CM54
Permits use of two 50A 125V cables sets, HBL61CM53, with one 50A 125/250V receptacle, HBL63CM69. IP55 suitability (Connectors).	HBL64CM55
Permits use of two 30A 125V cable sets, HBL61CM08, with one 30A 125V receptacle, HBL26CM10. IP55 SUITABILITY (CONNECTORS).	HBL64CM56
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125V receptacle, HBL63CM70. IP55 SUITABILITY (CONNECTORS).	HBL64CM57**
Note: *III Listed	

Note: *UL Listed.

**Not CSA Certified.

▲ The male plug end (50A 125/250V) has a blade removed and the blade slot filled with epoxy. Omitting the blade ensures achieving 125V safely.

Adapters do not provide overcurrent protection and do not provide GFCI protection except HBL105GF.



Features and Benefits

Hubbell Marine Isolation Transformers

Hubbell Isolation Transformers can protect your vessel's sensitive electronic equipment from damaging electrical spikes or surges. These transformers will also convert various dockside power systems to the 120/240 volt power required to operate all of the equipment on board.

And most importantly, Hubbell Isolation Transformers greatly reduce the possibility of stray current leaking from your boat's electrical system into the water, which could otherwise result in Electrical Shock Drowning (ESD) or electrocution.

Available Options:

- Available in White Powder Coated Steel or #316 Stainless Steel Housing
- 15 kVA and 25 kVA Models
- 60 Hz and 50/60 Hz Models
- 12.5% Taps

Constant Clean Safe Power





Housing Design

- Available in #316 stainless steel or white powder coated steel finish
- Compact size and weight



Exterior Design

- 1 Easy access wiring chamber/drip lid
- 2 Auto boost connector
- 3 1" and 11/2" knockouts
- 4 Weep holes



Neatly Routed Wiring Chamber

(Top view with cover removed)

- Easy access wiring chamber
- Pre-wired for 120/240 volt applications



Safety/Installation

- Mounting brackets
- Vibration resistant



Interior Design

- Main module cleanly mounted in easy access wiring chamber
- High-quality terminal block for wire management
- Sand-filled and epoxy topped
- Auto-boost/remote cable receptacle



Auto-Boost Unit

 Factory programmed module automatically boosts voltage up to 12.5% if the reading at the dock falls between 195 – 220 Volts.

Constant Clean Safe Power

Hubbell Marine Isolation Transformers

15 kVA and 25 kVA Models

- Protects Sensitive Equipment on Board
- Virtually Eliminates Potential for In-Water Stray Current
- Can be wired per ABYC E-11 for either a Polarization or Isolation Transformer system



Isolation Transformers			60 Hz	50/60 Hz
Description	Weight (Lbs.)	Color	Catalog Number	Catalog Number
15 kVA isolation transformer.	170	White powder coated steel	HBL50AITW	HBL32AITW
15 kVA isolation transformer.	170	#316 Stainless steel	HBL50AITSS	HBL32AITSS
15 kVA isolation transformer with auto-boost.	175	#316 Stainless steel	HBL50AITSSB	HBL32AITSSB
25 kVA isolation transformer.	250	White powder coated steel	HBL100AITW	HBL63AITW
25 kVA isolation transformer.	250	#316 Stainless steel	HBL100AITSS	HBL63AITSS
25 kVA isolation transformer with auto-boost.	255	#316 Stainless steel	HBL100AITSSB	HBL63AITSSB

Product Dimensions Inches (mm)

Description	Weight (Lbs.)	A - Height	B - Width	C - Depth
15 kVA Models	170	16.94" (43.0)	14.12" (35.9)	11.59" (29.4)
25 kVA Models	250	18.44" (46.8)	16.13" (41.0)	13.34" (33.9)

A B

Recommended Seal-tite Cord Connectors

- For input and output cables
- Straight connectors for 1 and 11/2 inch KOs

Cord Connectors

Description	NPT Hub Size	Cord Diameter Inches (mm)	Form Size	Cast Aluminum Catalog Number
Straight male	1	1.13"-1.25" (28.6-31.7)	F5	SHC1048*
connectors	1½	1.25"-1.38" (31.7-34.9)	F5	SHC1059
	1½	1.38"-1.50" (34.9-38.1)	F6	SHC1061

Note: *Cable jacket may have to be stripped to pass through connector body.



Dimensions in Inches (mm)

Telephone and Cable TV Devices



HBLPHTVNM



HBLPHTVSS



HBLTVSS







Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Number
Stylized non-metallic inlet provides telephone and cable TV connections in one unit. UV resistant white Centrex® cover makes unit weatherproof when completely closed. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket provided. IP55 SUITABILITY.	HBLPHTVNM
Traditional stainless steel inlet provides connections for telephone and cable TV in one unit. Connections can be used individually or together. Gasketed cover is self-closing so interior is shielded from the elements when not in use. Watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. IP56 SUITABILITY.	HBLPHTVSS
Same as HBLPHTVSS above except no phone.	HBLTVSS
Replacement int. for PH6594TV and HBLPHTVSS series inlets.	CR16914
Black locking type plug for telephone cable sets or adapters.	PH6625
Black locking type connector body used on telephone cable sets or adapters.	PH6624
Yellow Seal-Tite® cover for weatherproofing PH6624 connector body on cable sets when connecting to an inlet and for weather-proofing PH6625 plug. IP20 suitability.	PH7440
Yellow Seal-Tite cover for weatherproofing PH6624 connector body when used on extension cords or adapters. IP55 SUITABILITY.	PH7499
Factory pre-wired 50 ft. (15.2m) telephone cable set. Uses 3 conductor, #16 AWG type SJTO, yellow vinyl cord for marine and recreational vehicle applications.	PH6599
Same as PH6599 except white in color.	PH6599W*
Same as PH6599 except 25 ft. (7.6m) in length.	PH6598
Same as PH6598 except white in color.	PH6598W*

Note: *Discontinued.



 ${\it Centrex}^{\it @} \ {\it is a registered trademark of LANXESS Corporation}.$

Telephone and Cable TV Devices

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Number
Black polycarbonate combination telephone/TV outlet with spring-loaded weatherproof lift cover. Can be wired for telephone service only or for telephone and MATV/CATV services in one FS/FD box in both marinas and RV parks. Can be padlocked to prevent unauthorized use. IP44 SUITABILITY.	PH6597TV
Black polycarbonate cable TV outlet has coax connector and gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes in both marinas and RV parks. IP20 SUITABILITY.	TV97
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes in both marinas and RV parks. IP20 SUITABILITY.	PH6597
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Can be used to retrofit old style telephone outlets of Pauluhn Manufacturing Company (2833 and 2843) in both marinas and RV parks. IP20 SUITABILITY.	PH6596
Black polycarbonate RV inlet for telephone connection only. Has spring-loaded, gasketed weatherproof lift cover designed for mounting to FS/FD type weatherproof boxes. IP20 SUITABILITY.	PH6595
50 ft. (15.2m) yellow jacketed ship-to-shore TV cable set is the industry standard 75 Ohm, RG59-U with male plugs on both ends. Adapter included for a quick, slip-on connection to inlet on boat.	TV99
Same as TV99 except white in color.	TV99W
Same as TV99 except 25 ft. (7.6m) in length.	TV98
Same as TV98 except white in color.	TV98W



PH6597TV



TV97



PH6597





PH6596



PH65



30 Amp 28 Volt DC Rated

Electric Fishing Reel Devices

Hubbell has a DC rated electrical system designed specifically for larger electric fishing reel systems. Up until now, larger electric fishing reel systems typically utilized conventional 30 Amp AC rated devices since an appropriately rated DC system was not available.

The system features a corrosion-resistant plug, connector body and receptacle and can be used along with a Hubbell outlet box and weatherproof cover plate to complete the installation. These devices are all rated at 28 Volt DC and applicable for all 12, 24 and 32 Volt DC fishing reel systems. The devices are UL listed and CSA certified. All devices are made of high-visibility yellow nylon that is impact resistant and UV stabilized for longer life. Also, the contacts are nickel plated for corrosion resistance.







HBL328DCR

30A 28V DC Rated Devices

Description	Catalog Number
Yellow locking single receptacle with abuse-resistant face. Can be mounted in Hubbell box HBL6083 and used wit HBL74CM25WOA weatherproof plate.	HBL328DCR
Same as HBL328DCR except white in color.	HBL328DCRW
Yellow locking plug has rugged nylon housing and rear dust seal to keep dust and foreign matter out.	HBL328DCP
Same as HBL328DCP except white in color.	HBL328DCPW
Yellow locking connector body has rugged, nylon housing and rear dust seal to keep dust and foreign matter out.	HBL328DCC



HBL328DCP

Accessories

Description	Catalog Number
Gray, high-impact thermoplastic FD (deep) weatherproof box with $\frac{3}{4}$ in. (19.1) NPT threaded hub, with 30 cubic inch capacity.	HBL6083
Same as HBL6083 except yellow in color.	HBL60CM83A
Same as HBL6083 except white in color.	HBL60CM83WA
Spring-loaded lift cover, for weatherproofing HBL328DCR outlet. Yellow in color.	HBL74CM25WOA
Same as HBL74CM25WOAW except white in color.	HBL74CM25WOAW
Same as HBL74CM25WOAW except gray in color.	HBL7425WOA



Note: See page AA-50 for 55° angle adapters and additional accessories.





HBL74CM25WOA



HUBBELL® Wiring Device-Kellems

12 Volt DC Rated Switches

KEY CHART



M11SP

1. Toggle switch

Fits panels up to $\frac{1}{4}$ in. thick when not using the back-up nut provided; fits panels up to $\frac{3}{16}$ in. thick when using the back-up nut. Requires a $\frac{1}{2}$ in. mounting hole.



M11LRGSP

2. Lighted toggle switch Built-in pilot light (R=red, G=green) for night vision. Same panel specs as 1.



M11I TR

3. Lighted-tip toggle switch Red pilot light visible in tip of toggle only. Same panel specs as 1.



MR11SP

4. Rocker switch
Requires a 1½ in. high
x % in. wide rectangular
opening.



MR123LRSP

5. Lighted rocker switch

Built-in pilot light for night vision. Same panel specs as 4.

Panel Mount Toggle and Rocker Switches

Description	Typical Applications	Key	Catalog Number
Single pole, single throw,	Lights, bilge blower, bilge pump(s),	1	M11SP
ON/OFF.	accessories	2	M11LRSP
		2	M11LRGSP
		3	M11LTR
		4	MR11SP
		5	MR11LRSP
Single pole, single throw,	Horn, starter, winches, gauges		M11MSP
ON/OFF/ON.			MR11MSP
Single pole, double throw,	Bilge pumps, speed selector,		M123SP
ON/OFF/ON.	lights, navigation lights		M123LTR
			MR123SP
			MR123LRSP
Single pole, double throw,	Bilge pumps	1	M123MSP
Momentary ON/OFF/ON.		4	MR123MSP
Single pole, double throw.	Trim Tabs	1	M123MMSP
Momentary ON/OFF/Momentary ON.		4	MR123MMSP
Double pole, single throw,	Lights, accessories	1	M21SP
ON/OFF.		4	MR21SP
Double pole, double throw,	Navigation lights, wipers,	1	M223SP
ON/OFF/ON.	dual fuel tanks	4	MR223SP
Double pole, double throw,	Navigation lights, windlass	1	M223JSP
ON/OFF/ON (with jumper).			
Double pole, double throw.	Winches, trim tabs,	1	M223MMSP
Momentary ON/OFF/Momentary ON.	dual fuel tanks	4	MR223MMSP
Black silicone rubber boot bonded	Provides positive seal against		MSB1
to brass nut.	moisture, oil, etc. Fits any		
	non-lighted toggle switch.		
Push-button horn switch with ¹⁵ / ₃₂ in. long nickel plated brass mounting stem. Terminals are .25 in. spade.	For remote operation of horn.		MH11
Black push-button (horn) boot.	Fits MH11 horn switch.		MHB11



M11SE



MR11SP



M21SP



M223SP



MSB1



MH11





15 Amp Twist-Lock® Devices and Accessories



HBL47CM00



15A 125V AC Twist-Lock® Devices

Description	Catalog Number
Yellow duplex receptacle has heat resistant body. IP20 suitability.	HBL47CM00
Yellow Insulgrip [®] plug has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. IP20 SUITABILITY.	HBL47CM20C
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. IP20 SUITABILITY.	HBL47CM29C
Panel mount flanged outlet has heat resistant melamine interior and stainless steel casing. IP20 SUITABILITY.	HBL47CM15
Panel mount flanged inlet has heat resistant melamine interior and stainless steel casing. IP20 SUITABILITY.	HBL47CM16



HBL47CM20C



HBL47CM29C



HBL47CM15

Accessories

Description	Catalog Number
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP20 suitability.	HBL52CM21
Same as HBL52CM21 except white in color	HBL52CM21W
Same as HBL52CM21 except gray in color.	HBL5221
Same as HBL52CM21 except for mounting to standard boxes.	HBL52CM22
Same as HBL52CM22 except gray in color.	HBL5222
Short yellow Seal-Tite® cover for weatherproofing HBL47CM20C Insulgrip plug when used with receptacles or connector bodies. Also can be used to weatherproof HBL47CM29C Insulgrip connector body when used with HBL47CM16 flanged inlet. IP44 SUITABILITY.	HBL60CM23**
Yellow Seal-Tite cover for weatherproofing HBL47CM29C Insulgrip connector body when used on extension cords and adapters. IP20 SUITABILITY.	HBL60CM24**

Note: **Not UL Listed or CSA Certified.



HBL47CM16







HBL52CM21W

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15 Amp Straight Blade Devices and Accessories



15A 125V A	ւC Straight Bla	de Devices
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	111/11/14
Description	Catalog Number
Yellow corrosion-resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts 15A 125V, 2 pole 3 wire straight blade plugs. IP20 SUITABILITY.	HBL52CM62
Same as HBL52CM62 except ivory in color.	HBL52CM62I
Single version of HBL52CM62 duplex yellow receptacle. IP20 suitability.	HBL52CM61
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. IP20 SUITABILITY.	HBL52CM66C
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. IP20 SUITABILITY.	HBL52CM69C
Yellow Valise® plug has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). IP20 SUITABILITY.	HBL52CM66V
Yellow Valise connector body has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). IP20 SUITABILITY.	HBL52CM69V
Yellow Insulgrip plug with anchor locking screw to prevent accidental pull-out. The plug is "locked" into the receptacle when the screw is turned down so the head is flush with the plug surface. The cord grip range is .30–.69 in. (7.5–17.4). UL Recognized Component. IP20 SUITABILITY.	HBL52CM80C
Compact gray nylon panel mount inlet ideal for bass boat battery charging connection. Has gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Will accept both 15A 125V and 20A 125V, 2 pole 3 wire straight blade connector bodies. IP44 SUITABILITY.	HBL61CM64

Note: See page Tech-10 for Weather Resistant description.

Same as HBL61CM64 except black in color.





HBL52CM66C



HBL52CM69C



HBL52CM80C



HBL52CM66V



HBL52CM69V



HBL61CM64

Accessories

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used with receptacles and connector bodies. Can also be used to weatherproof Insulgrip connector bodies when mating with flanged inlets. IP44 SUITABILITY. Note: For Insulgrip devices only.	HBL60CM17**
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. IP55 suitability. Note: For Insulgrip devices only.	HBL60CM18**
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP20 SUITABILITY.	HBL52CM21
Same as HBL52CM21 except gray in color.	HBL5221
Same as HBL52CM21 except for mounting to standard boxes.	HBL52CM22
Same as HBL52CM22 except gray in color.	HBL5222
Yellow Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 suitability.	HBL74CM23WO
Same as HBL74CM23WO except gray in color.	HBL7423WO

Note: **Not UL Listed or CSA Certified.



HBL60CM18 HBL60CM19



HBL61CM64BK

HBL74CM23WO

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20 Amp Twist-Lock® Devices and Accessories







HBL23CM10

20A 125V Twist-Lock® Devices

Description	Catalog Number
Yellow single receptacle has Rynite® body and abuse resistant nylon face. IP20 suitability.	HBL23CM10
Yellow Insulgrip [®] plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. IP20 SUITABILITY.	HBL23CM11
Yellow Insulgrip connector body has rugged nylon housing and cord with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. IP20 SUITABILITY.	HBL23CM13
Yellow Valise plug has one-piece nylon housing, assembles easily with two screws. Built-in cord grip has range of .33–.72 in. (8.3–18.2). IP20 SUITABILITY.	HBL23CM11V



HBL23CM11









HBL60CM31



HBL60CM31V



HBL60CM32

Accessories

Description	Catalog Number
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL23CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	HBL74CM25WOA
Same as HBL74CM25WOA except gray in color.	HBL7425WOA
Same as HBL74CM25WOA except white in color.	HBL74CM25WOAW
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 or HBL23CM11 plugs. IP44 suitability. Note: Fits Insulgrip devices only.	HBL60CM31**
Same as HBL60CM31 except white in color.	HBL60CM31W**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 or HBL23CM13 connector bodies when used on extension cords or adapters. IP44 suitability. Note: Fits Insulgrip devices only.	HBL60CM32**
Yellow vinyl Seal-Tite cover for weatherproofing HBL23CM13V or HBL26CM13V connector bodies. IP44 SUITABILITY. Note: Fits Valise® devices only.	HBL60CM32V**
Yellow Seal-Tite cover for weatherproofing HBL23CM11V or HBL26CM11V plugs. IP44 suitability. Note: Fits Valise devices only.	HBL60CM31V**

Note: **Not UL Listed or CSA Certified.



HBL60CM32V

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HBL74CM25WOA



20 Amp Straight Blade Devices and Accessories



20A 125V AC Straight Blade Devices

Description	Catalog Number
Yellow corrosion-resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. IP20 SUITABILITY.	HBL53CM62
Single version of HBL53CM62 duplex yellow receptacle. IP20 SUITABILITY.	HBL53CM61
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement to provide secure strain relief. IP20 SUITABILITY.	HBL53CM66C
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement for secure strain relief. IP20 SUITABILITY.	HBL53CM69C
Compact gray nylon panel mount outlet ideal for electric trolling motors and reel applications. Features gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. IP44 SUITABILITY.	HBL61CM65

Note: See page Tech-10 for Weather Resistant description.



HBL53CM62 HBL53CM61



HBL53CM66C







HBL52CM66V



HBL52CM69V



HBL61CM65



HBL7423WO

Accessories

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used to mate receptacles and connector bodies. Can also be used with Insulgrip connector bodies when mating with flanged inlets. IP44 SUITABILITY. Note: For Insulgrip devices only.	HBL60CM17**
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. IP55 SUITABILITY. Note: For Insulgrip devices only.	HBL60CM18**
Yellow closure plug used with HBL60CM18 long Seal-Tite cover to prevent water from entering front of device when not in use. IP55 SUITABILITY.	HBL60CM19**
Yellow polycarbonate spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP20 suitability. Not CSA certified.	HBL52CM21
Same as HBL52CM21 except white in color.	HBL52CM21W
Same as HBL52CM21 except gray in color.	HBL5221
Same as HBL52CM21 except for mounting to standard boxes.	HBL52CM22
Same as HBL52CM22 except gray in color.	HBL5222
Yellow polycarbonate spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 Suitability. Not CSA certified.	HBL74CM23WO
Same as HBL74CM23WO except gray in color.	HBL7423WO

Note: **Not UL Listed or CSA Certified.







HBL74CM23WO



Circuit Testers

Hubbell Twist-Lock® Circuit Tester

The Hubbell Twist-Lock® Tester is an exclusive patented design that easily tests the circuit condition without the need for traditional measurement techniques. Whether it is a boater, marina operator or electrician, knowing that power is present at any receptacle or connector is critical. By plugging the tester into an outlet, an LED output will immediately provide the state of the circuit.

An easy to read card is provided with the tester, to help determine if the connections are made properly and in the correct position. This unique NEMA configuration ensures that the proper connection was made through an easy to read output display. It also easily attaches to a tool belt so it is available when needed.

For Testing the Wiring Condition of Receptacles and Connectors

- Quickly diagnose mis-wiring situation or application
- · Great for dark, difficult to reach spaces
- No measurement readings to interpret



- Easy to read LED output and condition tables
- Insulgrip[®] nylon housing for secure gripping
- Carabiner style clip to secure to work belt
- UL 1436 listed



HBLT26CM11

Hubbell Twist-Lock® Circuit Tester

Description	Catalog Number
Styled and sized like a standard Hubbell Twist-Lock® Plug. Simply plug it in and the LED	HBLT26CM11

Styled and sized like a standard Hubbell Twist-Lock® Plug. Simply plug it in and the LED back panel immediately identifies if the connections are made correctly and are in the correct position, ensuring the device is wired properly. An easy to read card is provided with the tester, to help determine if the connections are correct. This tester is compact and can easily clip onto your tool belt. The Hubbell Circuit Tester is UL and C-UL Listed.





Additional Testers

Description

<u>'</u>	•
This unit is designed to measure the trip level of GFCI portables, receptacles, or breakers within any range from 2 to 7 milliamperes, or the leakage in portable tools or appliances within a leakage range of 1 to 7 milliamperes. It can be used on any AC circuit of 110 to 130V.	GFT2G*
This outlet circuit tester has a simple arrangement of neon lights which visually indicate correct wiring, reversed polarity, open ground wire, open neutral wire, open hot wire, hot and ground reversed and hot wire on neutral terminal and hot terminal unwired. Simply plug the HBL5200 into a single phase 125V 2 pole 3 wire outlet and the combination of lighted and/ or unlighted lamps will immediately indicate the condition of the circuit. The instructions and symbol identification are printed on durable polyester labels permanently attached to the tester. To test other 2 pole 3 wire single phase 125V outlets, use one of the proper adapters shown on page AA-29.	HBL5200**

Note: *Not UL Listed or CSA Certified. **Not CSA Certified. Catalog Number



Features and Benefits

USB Charger Receptacles

Hubbell's new fast charging USB-C Power Delivery receptacles provide more power. Users can quickly charge laptops and other large devices. The USB-C port marked PD (Power Delivery) provides up to 55 Watt of output. The additional Type C or Type A port delivers up to 1.5 Amp, 5 Volt, (7.5 Watt) of power.

More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

Hubbell's weather resistant USB charger receptacle offers a safe and reliable solution, conveniently expanding way to charge portable electronics. Now, being outdoors no longer means worrying about finding a charging source. Weather resistant receptacles comply with Section 406.9 of the National Electrical Code when used with covers.

Common Features

- LED ON to indicate USB and line voltage power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products



Weather Resistant Type A&C **USB** Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC® with cover
- 5 Amp, 5 Volt USB output
- Power indicating green LED light



USB-C Power Delivery Charger Receptacles

- Two Type C or One Type A and One Type-C port configurations
- USB-C PD port (up to 20 Volt, 55 Watt output)
- 2nd USB-A or USB-C convenience port (up to 1.5 Amp, 5 Volt, 7.5 Watt output)
- Heavy duty spec grade
- Tamper resistant commercial grade duplex receptacle



Weather Resistant USB Charger Dunley Recentacles

Weather riesistant Gob onarger bupi	cx ricceptac	103	
Description	Color	15A 125V AC	20A 125V
Type A&C USB Charger receptacle, one Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade.	Ivory Light Almond White	USB15AC5IWR USB15AC5LAWR USB15AC5WWR	USB20AC5IWR USB20AC5LAWR USB20AC5WWR

Note: Outdoor circuits should be GFCI protected per national and local electric codes. Also available in black, brown and gray. See page Tech-10 for Weather and Tamper-Resistant descriptions.





USB15AC5WWR

USB-C Power Delivery Charger Tamper Resistant Dupley Recentacles

COD OT OWER DELIVERY Charger ramper reconstant Duplex recorptacles		
Description	Color	15A 125V AC
Type-C USB Power Delivery Receptacle, two Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB Type-C convenience port with up to 1.5 Amp, 5 Volt output.	lvory Light Almond White	USB15CPDI USB15CPDLA USBCPDW
Type A/C USB Power Delivery Receptacle, one USB-C Power Delivery port with up to 55 Watt output and one USB Type-A convenience port with up to 1.5 Amp, 5 Volt output.	lvory Light Almond White	USB15ACPDI USB15ACPDLA USB15ACPDW

Note: Also available in black, brown and gray.

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USB15ACPDW





GFCI and Portable Ground Fault Circuit Interrupters

The American Boat and Yacht Council recommends the use of ground fault protected receptacles in a head, galley, machinery space or on a weather deck. Refer to ABYC "Ground Fault Protection" on page AA-52.

New Hubbell Weather Resistant and Extra Heavy Duty Corrosion Resistant Weather and Tamper-Resistant Ground Fault Receptacles

Hubbell now offers a Ground Fault Receptacle for every application.

Hubbell's GFCI offering, with patented self-test technology, continually tests and monitors itself to insure proper functioning.

Hubbell's GFCI Receptacle line-up now includes:

- Standard Commercial Series; for typical standard use
- Weather Resistant Series; meets NEC® requirements for weather resistance, UV and corrosion resistance for harsh and damp applications.
- Extra Heavy Duty Corrosion Resistant Series; has high-impact and UV stabilized housing, nickel-plated face contacts, mounting strap and terminals to withstand the most demanding environments and applications.







GFSG5262I

Ground Fault Receptacles

ar ouriar au		•			
Description	Color	OEM Version Standard Series	Marine Packaging Weather Resistant Series	Extra Heavy Duty Series	
15A 125V GFCI receptacle.	lvory Light Almond White	GFR15I GFR15LA GFR15W	GFRST52MI GFRST52MLA GFRST52MW	GFSG5262I - GFSG5262W	

Note: Also available in black, brown and gray. See page Tech-10 for Tamper and Weather Resistant descriptions.

Hubbell's GFCI receptacles can be mounted on any standard 2.50 inch (63.5) deep box. A feed-through feature provides protection not only at that receptacle but also at any other receptacle located downstream from it on the same circuit. These devices meet the requirements of The National Electric Code (NEC®) and American Boat and Yacht Council Standard and will accept locking fork terminals.

Caution: Ground Fault Receptacles should not be mounted in locations exposed to salt spray nor in the engine room. For GFCI protection of such locations, downstream feeding from an internally located Ground Fault Receptacle is recommended.

around radic recoptable is recommended.			
Description	Color	Catalog Number	
PVC weatherproof lift cover for ground fault receptacles (such as GFRST52M series) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	Gray White	CWP26CR CWP26CRW	



Portable Ground Fault Circuit Interrupters (GFCI)

Ideal for providing safety in applications requiring multiple outlets, features gasketed cover to protect outlets not in use. Ensures safety by interrupting power when leakage to ground is 4 to 6 milliamperes. A test button allows the user to test that the GFCI is in working order. This portable solution provides open neutral protection.



GFP15M

Description	Catalog Number
The housing is high-impact yellow polycarbonate as are the liftcovers which protect the receptacles from dirt and damage. Incorporates a 20 Amp GFCI module that can be	GFP15M
replaced in the field. The module provides not only ground fault protection, but also	

Note: GFCI devices will not protect against overloads or short circuits.



15A 125V GFCI Line Cord Devices

contains the no voltage release feature.

Description	Line Cord Length	Catalog Number
Ideal for personal plug-in protection at marinas and onboard boats when used with pumps, drills, sanders and all portable electrical equipment. GFCI mechanism is watertight and approved for outdoor use. High visibility yellow SJTW-A power cord resists moisture, chemicals and sunlight.	6 ft. (1.8m) 25 ft. (7.6m)	GFPST6C15M GFPST25C15M

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15 and 20 Amp Receptacles

Style Line® Decorator Receptacles

- High-impact nylon face resists breaking, chipping and cracking.
- Will accept locking fork terminal to comply with ABYC standards.
- Available in 4 colors for any decor with matching wall plates.
- Smooth, high-gloss finish for rich appearance.

Commercial Style Line® Decorator Series

Color

Brown

Light Almond

Note: All devices above will accept locking fork terminal to comply with ABYC standards. See page Tech-10 for Tamper and Weather Resistant descriptions.

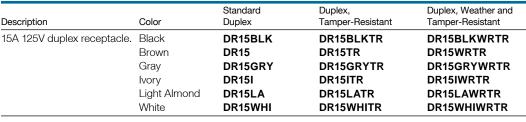
Gray Ivory

White









Standard Duplex, Spec. Grade, Side Wired

CR15BLK

CR15 CR15GRY

CR15I

CR15LA

CR15WHI





DR15ITR

Commercial Series

15A 125V duplex receptacle. Black

Description

Duplex, Tamper-Resistant	Duplex, Weather and Tamper-Resistant, Back and Side Wired
CR15BLKTR	BR15BLKWRTR
CR15TR	BR15WRTR
CR15GRYTR	BR15GRYWRTR
CR15ITR	BR15IWRTR

CR15LATR **BR15LAWRTR BR15WHIWRTR CR15WHITR**



CR15TR





BR15IWRTR

Extra Heavy Duty Single Receptacles

Description	Color	Catalog Number
15A 125V single receptacle.	Brown	HBL5251
	Ivory	HBL5251I
20A 125V single receptacle.	Brown	HBL5361
	lvory	HBL5361I





HBL5251

HBL53611

Corrosion-Resistant Recentacles

Description	Color	Catalog Number		
15A 125V yellow corrosion-resistant duplex receptacle.	Yellow	HBL52CM62		
Use where salt or other corrosive elements are a problem.				
Same as HBL52CM62 except ivory in color.	Ivory	HBL52CM62I		



HBL52CM62I

HBL8200ILI

Special Application Illuminated Receptacle

Description	Color	Catalog Number
Illuminated receptacle 15A 125V grounding. A high quality receptacle with an illuminated face. Ideal for use in halls or as a gentle night light.	lvory	HBL8200ILI

Note: See page Tech-10 for Weather Resistant description.







Switches and Accessories



Commercial Series

Description	Toggle Color	Catalog Number	
15A single-pole toggle switch for controlling	Black	CS115BK	
AC load from one point.	Brown	CS115	
	Gray	CS115GY	
	lvory	CS115I	
	Light Almond	CS115LA	
	White	CS115W	
15A three-way toggle switch for controlling	Black	CS315BK	
AC load from two points.	Brown	CS315	
	Gray	CS315GY	
	lvory	CS315I	
	Light Almond	CS315LA	
	White	CS315W	

Note: All devices above will accept locking fork terminal to comply with ABYC standards.



HBL1221IL



HBL1221PL

Special Application Series

Description	Catalog Number
20A 120V toggle switch with LED lamp set in ivory handle. Handle illuminates when switch is in "OFF" position.	HBL1221IL
20A 120V three-way toggle switch with LED illuminated ivory handle for controlling AC load from two points. Handle illuminates when "OFF".	HBL1223IL
20A 120V single-pole toggle switch with LED lamp set in clear red handle. Handle illuminates when switch is "ON". Serves as instant reminder that current is flowing to an appliance.	HBL1221PL
20A 120V three-way toggle switch with LED for controlling AC load from two points. Red handle illuminates when "ON".	HBL1223PL
Single-pole PresSwitch® for controlling AC load from one point. Switch activated brown button.	HBL1281
Same as HBL1281 except ivory button.	HBL1281I
Three-way PresSwitch for controlling AC load from two points. Switch activated brown button.	HBL1283*
Same as HBL1283 except ivory button.	HBL1283I*



HBL1281



HBL1283



HBL17CM50



HBL1795



HBL6079

Accessories

10000001100	
Description	Catalog Number
Yellow neoprene weatherproof plate for use only with PresSwitches. PresSwitch button is activated when bubble is pressed. Not CSA certified.	HBL17CM50*
Clear silicone rubber weatherproof bubble plate for use with all AC toggle switches and PresSwitches. Also ideal for use with lighted handle toggle switches. Not CSA certified.	HBL1795
Plastic switch/receptacle box. Measures 3.281" x 2.188" x 2.50" (83.3 x 55.6 x 63.5) deep. For mounting in walls without studs. A support strap is provided which pulls box tightly against back side of wall	HBL6079**

Note: *Not UL Listed.
**Not CSA Certified.





Non-metallic Plates

- High-impact polycarbonate thermoplastic is virtually unbreakable
- Smooth satin finish, blends into the wall
- Screws are factory-inserted for fumble-free installation

Stainless Steel Plates

- Type 302/304
- Non-magnetic
- Ideal for highly corrosive environments

				hermoplastic		Metal
Description		Color	Standard	Mid-Size	Material	Catalog Number
	1-Gang,	Black	P1BK	PJ1BK	Brass	SB1
-0.	1-Toggle	Brown	P1	PJ1	Stainless Steel	SS1
		Gray	P1GY	PJ1GY		
4		lvory	P1I	PJ1I		
		White	P1W	PJ1W		
	1-Gang,	Black	P8BK	PJ8BK	Brass	SB8
	1-Duplex	Brown	P8	PJ8	Stainless Steel	SS8
	'	Gray	P8GY	PJ8GY		
		lvory	P8I	PJ8I		
		White	P8W	PJ8W		
	1 Cong	Black	P26BK	PJ26BK	Brass	SB26
4	1-Gang, 1-Decorator		P26BK	PJ26BK PJ26	Stainless Steel	SS26
	1-Decorator	Brown			Stairliess Steel	3320
		Gray	P26GY	PJ26GY		
		lvory	P26I	PJ26I		
D D		White	P26W	PJ26W		
	2-Gang,	Black	P2BK	PJ2BK	Brass	SB2
o o	2-Toggle	Brown	P2	PJ2	Stainless Steel	SS2
		Gray	P2GY	PJ2GY		
		lvory	P2I	PJ2I		
n n		White	P2W	PJ2W		
	2-Gang,	Black	P82BK	PJ82BK	Brass	SB82
1	2-Duplex	Brown	P82	PJ82	Stainless Steel	SS82
	Z Duplox	Gray	P82GY	PJ82GY	Otali 11000 Oto01	0002
4 4		lvory	P82I	PJ82I		
		White	P82W	PJ82W		
		vviile	FOZVV	FJOZVV		
1 1	2-Gang,	Black	P262BK	PJ262BK	Brass	SB262
	2-Decorator	Brown	P262	PJ262	Stainless Steel	SS262
		Gray	P262GY	PJ262GY		
		lvory	P262I	PJ262I		
4 4		White	P262W	PJ262W		
	2-Gang,	Black		PJ18BK	Brass	SB18
	1-Toggle,	Brown	P18	PJ18	Stainless Steel	SS18
a	1-Duplex	Gray	P18GY	PJ18GY	Otali liess eteel	0010
Œ	1-Duplex	lvory	P18I	PJ18I		
		White	P18W	PJ18W		
-0	2-Gang,	Black	P126BK	PJ126BK	Brass	SB126
0	1-Toggle,	Brown	P126	PJ126	Stainless Steel	SS126
	1-Decorator	Gray	P126GY	PJ126GY		
100		lvory	P126I	PJ126I		
1		White	P126W	PJ126W		
	1-Gang,	Black	P7BK	PJ7BK	Brass	SB7
	1-Single	Brown	P 7	PJ7	Stainless Steel	SS7
	1.40" Dia. Hole	Gray	P7GY	PJ7GY		
		lvory	P7I	PJ7I		
4		White	P7W	PJ7W		
	1-Gang,	Black	P13BK	PJ13BK	Brass	SB13
a.	1-Blank,	Brown	P13	PJ13	Stainless Steel	SS13
	Box Mount	Gray	P13GY	PJ13GY	Otali 11000 Otoloi	0010
	DON WICHTE	lvory	P13I	PJ13I		
		White	P13W	PJ13W		
The state of the s						

Communication Frames and Connectors

Hubbell Now Offers The Ability To Put 2 or 3 Communication Devices In a Single, Style Line® Plate

Any combination of phone (6-position jack), cable TV (F-type connector) and Category 5e modular data jacks can be assembled onto a 2-port or 3-port frame—each sold individually so you can customize them as needed. Or the highly popular phone and cable TV combination is available with the frame and matching wallplate under a single catalog number, in all the popular colors.

Finally—a single communications plate that can take the place of 2 or 3 plates—available from a company you can trust for superior quality.

Hubbell's Marine communication frames and connectors deliver high quality data and multimedia transmission to the point of connection. Hubbell's 2 and 3 port Style Line® frames and leading edge connections allow for customized configurations. Install Hubbell's Marine communication offering and be assured a reliable connection.



NS783W



NSJ5EW

2 Port Communication Frame, Fully Loaded (6-Position Phone Jack, F-Type Cable TV Jack and Style Line® Plate Included)

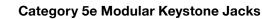
Color	No. of Ports	Connection Type	Catalog Number
White	2	USOC, F-Type	NS783W

Style Line® Frames, 2 Port and 3 Port Unloaded

Color	No. of Ports	Connection Type	Catalog Number
Black	2	_	NS612BK
Gray	2	_	NS612GY
lvory	2	_	NS612I
White	2	_	NS612W
Black	3	_	NS613BK
Gray	3	_	NS613GY
lvory	3	_	NS613I
White	3	_	NS613W

Category 6 Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	T568A/T568B	8-Positions	NSJ6BK
Gray	T568A/T568B	8-Positions	NSJ6GY
Ivory	T568A/T568B	8-Positions	NSJ6I
White	T568A/T568B	8-Positions	NSJ6W



Color	Wiring	No. Positions	Catalog Number
Black	T568A/T568B	8-Positions	NSJ5EBK
Gray	T568A/T568B	8-Positions	NSJ5EGY
lvory	T568A/T568B	8-Positions	NSJ5EI
White	T568A/T568B	8-Positions	NSJ5EW



Color	Wiring	No. Positions	Catalog Number
Black	USOC	6-Positions	NSJUBK
Gray	USOC	6-Positions	NSJUGY
lvory	USOC	6-Positions	NSJUI
White	USOC	6-Positions	NSJUW



NSJ6W

NSJUW

SFFGEI

F-Type Connector Keystone

Type connector respective	
Color	Catalog Number
Black	SFFGBK
Gray	SFFGGY
lvory	SFFGEI
White	SFFGW

Enclosures only.

Boatyard Accessory Items

Non-Metallic While-In-Use Weatherproof Covers

- High-impact polycarbonate construction provides maximum durability
- Patented keyhole mounting system allows installation in under a minute
- Includes attached gasket and mounting hardware
- Pre-configured for GFCI with patented knockout technology for alternate devices
- Lockable tab
- NEMA 3R rated
- EXTRA DUTY® 5800 Series covers meet or exceed the extra duty rating per UL 514D and are NEMA 3R rated
- 2017 NEC® Compliant (Article 406.9A & B)
- cULus Listed



1-Gang Weatherproof Covers for Vertical or Horizontal Mounting

Description	Standard	EXTRA DUTY®
Non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 16-in-1 configurations below.	RW57300	RW58300
Jumbo, non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 16-in-1 configurations below.	RW57350	RW58350



RW57300

























RW57350

RW58350

2-Gang Weatherproof Covers for Vertical Mounting Only

Description	Standard	EXTRA DUTY®
Non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 55-in-1 configurations below	RW57750	RW58750

Note: Required by the NEC® for while-in-use outdoor power distribution. Thermoplastic covers provide protection for use in wet locations with the cover closed, NEMA® 3R rated. Meets 2017 NEC 406.9 - receptacles in damp or wet locations. Holes for padlocks are .40 inch.





RW57750

RW58750













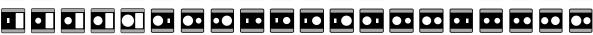








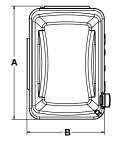




Multiple combinations of duplex, GFCI, switch, and rounds: 1 1/4", 1 3/8", 1 9/16", 1 5/8", 1 11/16", 2 1/8", 2 1/8", 2 7/16"

Product Dimensions Inches (mm)

	1-G	ang	Jumbo,	1-Gang	2-0	Gang
	Standard	EXTRA DUTY®	Standard	EXTRA DUTY®	Standard	EXTRA DUTY®
Α	5.54" (140.7)	5.90" (149.9)	5.54" (140.7)	5.92" (150.4)	5.54" (140.7)	5.54" (140.7)
В	3.79" (96.3)	4.18" (106.2)	3.79" (96.3)	4.20" (106.7)	5.43" (137.9)	5.43" (137.9)
С	3.07" (78.0)	3.00" (76.2)	5.08" (129.0)	5.10" (129.5)	3.07" (78.0)	3.07" (78.0)





Dimensions in Inches (mm)





Features and Benefits

Stainless Steel Weatherproof and Watertight Flip Covers

Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty #316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities. Meets Section 406.9 of NEC[®].

- UL Type 3R:
 - Rain-tight and sleet (Ice) resistant
 - Self-closing lid
- UL Type 4X:
- Watertight, dust-tight and corrosion resistant for wash-down application
- Latching cover





Flip Cover Design

- Manufactured in heavy duty #316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetic appearance
- Smooth surfaces to allow ease of cleaning
- · Horizontal and vertical mounting positions
- Duplex and GFCI versions



Self-Closing Design

- Self-closing cover
- Neoprene gasket on underside of cover. For sealing when the cover is closed



HBLSS83R



HBLSS263R



HBLSS84X



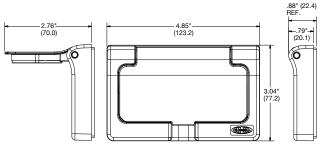
HBLSS264X

Stainless Steel Weatherproof Flip Covers

Description	Catalog Number
1-Gang, stainless steel duplex, 3R, self-closing cover.	HBLSS83R
1-Gang, stainless steel GFCI, 3R, self-closing cover.	HBLSS263R
1-Gang, stainless steel duplex, 4X, latching cover.	HBLSS84X
1-Gang, stainless steel GFCI, 4X, latching cover.	HBLSS264X

Product Dimensions Inches (mm)

Catalog Number	Height	Width	Depth	Opening
HBLSS83R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS263R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)
HBLSS84X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS264X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)



Specifications

Base & Cover	Stainless Steel
Hinge Pin & Spring	Stainless Steel
Base & Cover Gasket	Elastomer
Back Gasket	Eva Form
Ground Screw	Steel, Zinc Plated
Mounting Screw	Stainless Steel

Dimensions in Inches (mm)

NEC® is a registered trademark of the The National Electrical Code.



Boatyard Accessory Items

Marine Grade Weatherproof Plates

Description	Color	Catalog Number
Thermoplastic vertical spring-loaded lift cover plate for weatherproofing ground fault receptacles and decorator-type devices. Marine drip-proof rated with stainless steel hardware. IP44 SUITABILITY.	Gray Yellow	HBL5226 HBL52CM26
Same as above except for horizontal mounting.	Gray Yellow	HBL5226H HBL52CM26H
Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP20 SUITABILITY.	Gray Yellow White	HBL5221 HBL52CM21 HBL52CM21W
Same as HBL52CM21 except for mounting to standard boxes.	Gray Yellow	HBL5222 HBL52CM22
Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	Gray Yellow	HBL7423WO HBL74CM23WO
Valox spring-loaded lift cover for weatherproofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	Gray Yellow	HBL7424WO HBL74CM24WO
Valox spring-loaded lift cover for weatherproofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	Gray Yellow White	HBL7425WOA HBL74CM25WOA HBL74CM25WOAW
Valox lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 SUITABILITY.	Gray Yellow	HBL7774WO HBL77CM74WO



HBL52CM26



HBL52CM21W



HBL52CM26H

Commercial Grade Weatherproof Plates

Available in a host of configurations—Twist-Lock® and straight blade receptacles in single or duplex as well as switches—these plates are perfect for marine use. The PVC resists deterioration over time and has high tensile and impact strength. Each plate comes with a tightly sealing, rubberized gasket and a super strong lift cover spring.

Description	Catalog Number
Gray thermoplastic weatherproof lift cover for toggle switches (such as CS115). For vertical mounting in standard or FS/FD type boxes.	HBL5201
Gray PVC weatherproof lift cover for duplex receptacles (such as HBL52CM62). For vertical mounting in standard or FS/FD type boxes.	CWP8CR
Gray PVC weatherproof lift cover for ground fault receptacles (such as GF5252MGYA) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	CWP26CR
Same as CWP26CR except white in color.	CWP26CRW



HBL52CM21



HBL74CM23WO



CWP26CR



HBL77CM74WO

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Boatyard Accessory Items

Marine Grade Dockside Boxes and Covers

30 cu. in. FD box made of high impact thermoplastic material. Accepts duplex and single receptacles up to 50A Twist-Lock®.









Housing Design

- 3/4" NPT and 1" NPT threaded hub options
- 30 cu. in. FD box made of high impact thermoplastic material
- External mounting feet, accepts #10 screw
- Stainless steel mounting/grounding bracket



Housing Design

- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Stainless steel mounting/grounding bracket



HBL60CM83A





HBL60CM88



HBL6081

FD Boxes, Angled Adapters, Kits and Covers

Gray	White	Yellow
HBL6083	HBL60CM83WA	HBL60CM83A
HBL6084	HBL60CM84WA	HBL60CM84A
HBL6055*	HBL60CM55W*	HBL60CM55*
HBL6083AK	HBL60CM83WAK	HBL60CM83AK
HBL6084AK	HBL60CM84WAK	HBL60CM84AK
HBLP14FS	HBL60CM88W	HBL60CM88
	HBL6083 HBL6084 HBL6055* HBL6083AK HBL6084AK	HBL6083 HBL60CM83WA HBL6084 HBL60CM84WA HBL6055* HBL60CM55W* HBL6083AK HBL60CM83WAK HBL6084AK HBL60CM84WAK

Marine Grade Dockside Boxes and Covers

Description	Catalog Number
Black phenolic junction box with four ¾ in. (19.1) I.P.S. molded-in knock-outs. Has 4.13 in. (104.8) diameter and is 1.88 in. (47.6) deep.	HBL6081
Phenolic blank cover, 1/4 in. (6.4) thick, for HBL6081 box.	HBL6082
Black phenolic blank cover plate.	HBL6087
Yellow Valox® blank cover plate for use with FS and FD type boxes.	HBL60CM88



Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



Boatyard Accessory Items

Non-Metallic Vapor-tight Incandescent Fixtures

These non-metallic, vapor-tight incandescent fixtures offer long life and trouble-free lighting in wet locations in marinas and on boats. Some features of these new units are:

- UV resistant, gray, glass filled thermoplastic polyester box, mounting adapters and globe guards resists abuse and harmful effects of the elements
- Excellent temperature operating range of -40°F (-40°C) to +302°F (150°) for use in areas with wide temperature variations or extreme ambient temperatures
- High temperature silicone gasketing maintains integrity and molded threads for ease of installation/removal
- Heat resistant glass globe withstands thermal shock in wet locations and has thread type mounting to assure weathertight sealing
- High strength protective globe guard helps prevent accidental globe and lamp breakage
- Accommodates Type A incandescent lamps up to 150 watts
- UL 1598 Standard for luminaries
- UL 1598A Marine type luminaries





NVA15GHGA

Lighting and Lighting Fixtures

Description	Catalog Number		
Ceiling mount non-metallic, vapor-tight incandescent luminaries including the fixture, mounting box, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	NVX15GHGA		
Pendant mount non-metallic, vapor-tight incandescent luminaries including fixture, mounting cap, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	NVA15GHGA		
Wall mount bracket only to adapt NVX15GHGA ceiling mount fixture to a wall mount fixture. Order NVBA and NVX15GHGA to get wall mount fixture.	NVBA		
Replacement guard to NVX15GHGA and NVA15GHGA.	NVGA		
Heat resistant replacement globe for NVX15GHGA and NVA15GHGA. Made of tempered glass.	VCGP100		



NVBA

VCGP100

Nylon Watertight Strain Relief Cord Connectors

These Hubbell nylon cord connectors provide strain relief and a watertight seal where cable enters a piece of equipment, panel, or box. A patented GOTCHA® ring, with a split and hinge design, allows for better adjustment to the cord as the connector nut is tightened, providing superior cord gripping compared to other types. A soft neoprene bushing compresses to keep liquids out and allows the nut to be easily tightened.

Description			Catalog Number
A gray male PVC adapter with ¾ in. boxes with ¾ in. NPT hub (HBL608	HBL6085		
Description	NPT Hub Size	Diameter Range	Catalog Number
Straight nylon cord connector	½ in.	.2538 in. (6.4-9.5)	HBL10CM22S
	½ in.	.3850 in. (9.5-12.7)	HBL10CM23S
	³¼ in.	.3850 in. (9.5-12.7)	HBL10CM35S
	³¼ in.	.5063 in. (12.7-15.9)	HBL10CM36S
	³¼ in.	.6375 in. (15.9-19.1)	HBL10CM37S
	1.0 in.	.6375 in. (15.9-19.1)	HBL10CM41S



HBL 6085



HBL10CM22S

Electrical Standards

Codes and Specifications

ABYC Standard, July 2015, E-11 Excerpts.

- **11.4 DEFINITIONS** For the purposes of this standard, the following definitions apply.
- 11.4.11 Equipment Leakage Circuit Interrupter (ELCI) A residual current device which detects equipment ground fault leakage current and disconnects all current carrying conductors from the supply source at a preset trip threshold.
- 11.4.14 Ground fault circuit interrupter (GFCI) A device intended for the protection of personnel that functions to de-energize a circuit, or portion thereof, within an established period of time when a current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit
- **11.4.34** Watertight Constructed so that water will not enter the enclosure under the test conditions specified in NEMA Standard 250, Type 6P or IEC Standard 60529 Type IP67.
- **11.4.35** Weatherproof Constructed or protected so that exposure to the weather will not interfere with successful operation under the test conditions specified in NEMA Standard 250, Type 3 or IEC Standard 60529 Type IP54.

11.11 GROUND FAULT PROTECTION - AC SYSTEMS

- **11.11.1** An Equipment Leakage Circuit Interrupter (ELCI) or Type A Residual Current Device (RCD) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional overcurrent protection as required by E-11.10.2.8.3 whichever is closer to the shore power connection.
- **11.11.1.1** Trip level shall be a maximum of 30mA. The trip time shall be a maximum of 100ms.
- 11.11.1.4 The ELCI shall be readily accessible.
- Note: A ground fault circuit interrupter (GFCI) may be used on single phase AC circuits to provide additional protection for personnel and equipment.
- **11.11.5** GFCI receptacle devices shall meet the requirements of Underwriters Laboratories' standard UL 943, Ground Fault Circuit Interrupters and the requirements of UL 498, Electrical Attachment Plugs and Receptacles.
- Note: GFCI receptacle devices may be installed as part of a convenience outlet installation either in single outlet applications or in multiple feed through installations. (See E-11.13.3.5)

11.12 SWITCHES

- **11.12.1.1** Switches shall have voltage ratings not less than the system voltage, current ratings not less than the connected load and shall be rated for the type of load, i.e., inductive or resistive.
- **11.12.3.1** Switches used in branch circuits shall simultaneously open all ungrounded conductor(s) of the branch circuit.

11.13 PLUGS AND RECEPTACLES

- 11.13.1.1 Receptacles shall be installed in locations not normally subject to rain, spray, or flooding but if receptacles are used in such areas the following shall apply:
- 11.13.1.1.1 Receptacles installed in locations subject to rain, spray, or splash shall be weatherproof when not in use.
- Note: Weatherproofing may be provided by means such as spring-loaded, self-closing, or snap type receptacle covers.
- **11.13.1.1.2** Receptacles installed in areas subject to flooding or momentary submersion shall be of a watertight design as may be provided by a threaded, gasketed cover.

- **11.13.1.3** Receptacles and matching plugs used on AC systems shall not be interchangeable with receptacles and matching plugs used on DC systems.
- **11.13.3.1** Receptacles shall be installed in boxes that meet the requirements of UL 514A, Metallic Outlet Boxes, or 514C, Non-metallic Outlet Boxes, Flush Device Boxes And Covers.
- **11.13.3.2** Receptacles shall be of the grounding type with a terminal provided for the grounding (green) conductor as shown in Figure 11, Figure 12 and Figure 13 of ABYC E-11.
- **11.13.3.3** Power wiring for receptacles shall be connected so that the grounded (white) conductor attaches to the terminal identified by the word "white" or a light color (normally white or silver). The ungrounded conductor(s) shall be attached to the terminal(s) identified by a dark color (normally brass or copper) and, optionally, the letters X, Y and Z or L1, L2 and L3.
- **11.13.3.4** A branch circuit supplying a combination of receptacle loads and permanently connected loads shall not supply permanently connected loads in excess of the following:
- 11.13.3.4.1 600 watts for a 15 ampere circuit.
- 11.13.3.4.2 1000 watts for a 20 ampere circuit.
- 11.13.3.5 If installed in a head, galley, machinery space, or on a weather deck, the receptacle shall be protected by a Type A (nominal 5 milliamperes) Ground Fault Circuit Interrupter (GFCI). (See E-11.11.)

Note: GFCI receptacle devices are not necessarily ignition protected per E-11.5.1.4.

11.6.2.2 SHORE POWER

- **11.6.2.2.2.1** Power Inlet The receptacle, or receptacles, installed to receive a connecting cable to carry AC shore power aboard shall be a male type connector.
- **11.6.2.2.2.2** Power inlets installed in locations subject to rain, spray, or splash shall be weatherproof whether or not in use.
- **11.6.2.2.2.2.1** Power inlets installed in areas subject to flooding or momentary submersion shall be watertight whether or not in use.
- 11.6.2.2.2.3 Metallic power inlets installed on metallic or carbon fiber reinforced boats using an isolation transformer or a galvanic isolator shall be insulated from metallic structure and components. On non-metallic boats using an isolation transformer or a galvanic isolator the power inlet shall be insulated from metallic components connected to the boat's ground.
- **11.6.2.2.1.1** Shore Power Cable On each boat equipped with an AC shore power system, a shore power cable that contains the conductors for the power circuit and a grounding (green) conductor shall be provided.
- **11.6.2.2.1.2** Except where the shore power cable is permanently connected to the boat, the boat end of this cable shall be terminated with a locking and grounding female type connector to match the boat power inlet. (See Figure 12 and Figure 13 of ABYC E-11).
- 11.6.2.2.1.3 The shore power cable shall be flexible cord with the minimum properties of Type SOW, STW, STOW, SEOW, or STOOW and shall be suitable for outdoor use. The shore connection end of this cable shall be fitted with a locking and grounding type plug with the required number of poles and shall comply with Article 555 of the National Electrical Code. (See Figure 13 and Table VII-A of ABYC E-11).

EXCEPTION: Pin and sleeve devices in accordance with Figure 14 of ABYC E-11.

SECTION BB









Product	Page
Circuit Testers	
Features and Benefits	BB-2
Twist-Lock®, Receptacle and GFCI	BB-3
Adapters and Fluorescent Starters	BB-4
Lockout Devices	BB-5

Product	Page
Lampholders	BB-6
Fluorescent Lampholders	BB-7
Incandescent Lampholders	BB-8
Lampholder Accessories	BB-9
Taps, Adapters, Plugs and Connectors	BB-10

Other Wiring Products

Features and Benefits

Twist-Lock® Circuit Testers

The Hubbell Twist-Lock® Tester is an exclusive patented design that easily tests the circuit condition without the need for traditional measurement techniques. Whether it is a contractor, electrician, or entertainment stage crew, knowing that power is present at any receptacle or connector is critical. By plugging the tester into an outlet, an LED output will immediately provide the state of the circuit.

An easy to read card is provided with the tester, to help determine if the connections are made properly and in the correct position. This unique NEMA configuration ensures that the proper connection was made through an easy to read output display. It also easily attaches to a tool belt so it is available when needed.

- Quickly diagnose mis-wiring situation or application
- Great for dark, difficult to reach spaces
- No measurement readings to interpret
- UL 1436 listed





Housing Design

- Insulgrip® nylon housing for secure gripping
- Brass blades
- Steel (nickel plated) assembly screws
- Styles available: L21-20P, L21-30P, L5-20P, L5-30P, L5-30P Marine, L6-20P, L6-30P, L7-20P, L14-20P, L14-30P, L24-20P



Attachment Clip

Carabiner style clip to secure to work belt



Proper Connection

Easy to read LED output and condition tables

CONDITIONS	X	Y	Z	G		CONDITIONS	X	Y	Z	G
Correct	X	Y	Z	G		X & N Rev.	Х	Y	Z	A
Open Neutral				G		Y & N Rev.	X	Y	Z	G A
Open Ground	X	Υ	Z			Z & N Rev.	X	Y	Z	G A
Open X		Y	Z			X & G Rev.		Y	Z	GA
Open Y	X		Z	G	- X Y Z *)	Y & G Rev.	X		Z	GA
Open Z	X	Υ		G		Z & G Rev.	X	Y		G A

Twist-Lock® Circuit Testers



		20	O Amp	30) Amp
Description	Rating	Configuration	Catalog Number	Configuration	Catalog Number
3-Phase Circuit Tester	3Ø 120/208V AC Min. Voltage: 90V AC	NEMA L21-20P	HBL3PT2511	NEMA L21-30P	HBL3PT2811
Circuit Tester	125V	NEMA L5-20P	HBLT2311	NEMA L5-30P	HBLT2611 HBLT26CM11 (Marine)
	250V	NEMA L6-20P	HBLT2321	NEMA L6-30P	HBLT2621
	277V	NEMA L7-20P	HBLT2331		
	125/250V	NEMA L14-20P	HBLT2411	NEMA L14-30P	HBLT2711
	347V	NEMA L24-20P	HBLT3721		
	128/208V AC	Non-NEMA	HBLT3521		



HBL3PT2511



HBLT26CM11

Note: Testers in other NEMA configurations can be developed upon request.

SNAPConnect® Receptacle Wiring Tester with GFCI Test Button

Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles.	SNAPCTG

Receptacle Circuit Tester



Description	Catalog Number
Receptacle circuit tester.	HBL5200

How It Operates

The Hubbell HBL5200 Receptacle Circuit Tester has a simple arrangement of neon lights which visually indicate and identify various fault conditions in electrical circuits (see chart below). By plugging the HBL5200 Tester into a single phase, 125V, 2 pole, 3 wire outlet the combination of lighted and/or unlighted lamps will immediately indicate circuit condition.

- Large, easy to read symbols.
- · Recessed indicating lamps with one piece Polycarbonate lens.
- · Tough impact resistant nylon housing.
- User information and instructions printed on durable Polyester labels permanently attached to the tester.
- Rotatable labels can be easily read regardless of tester position.















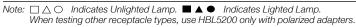




SNAPCTG

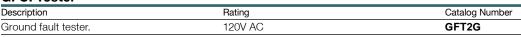
HBL5200

	Correct Wiring	Reversed Polarity	Open Ground Wire	Open Neutral Wire	Open Hot Wire	Hot and Ground Reversed	Hot on Neutral Term. and Hot Term. Unwired
Neutral Ground Hot	-			-			



CAUTION: This device introduces low level current into the grounding path. Use with caution in critical care areas.

GFCI Tester



- Designed to measure the trip level of portable or "wired-in" GFCI's in a range of 2-7mA. Leakage level can be adjusted from 2-7mA.
- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.



Features and Benefits

Adapters and Fluorescent Starters

- Available in 6 diferent configurations
- One female slot end and one male blade end
- UL listed, except for adapter HBL31CM29





Nylon Convenience Adapters

NEMA Configur	ation					
Catalog Number	HBL2270	HBL2271	HBL2128	HBL2274	HBL2129	HBL31CM29*
Male	■G	15A 125V	15A 125V	15A 125V	20A 125V	30A 125V
Blade End	W	NEMA 5-15P	NEMA 5-15P	NEMA L5-15P	NEMA L5-20P	NEMA L5-30P
Female	20A 125V	15A 125V	20A 125V	20A 125V	20A 125V	20A 125V
Slot End	NEMA 5-20R	NEMA L5-15R	NEMA L5-20R	NEMA 5-20R	NEMA 5-20R	NEMA 5-20R

Note: *Not UL Listed.

- **CAUTION:** Where adapters have different ratings on the blade and slot end the following precautions must be exercised in their use. (1) Remember that overcurrent protection is determined by the blade end.
 (2) The use of the adapter should be limited to the lowest rated end of the adapter in order to prevent overheating.
 (3) Adapters do not provide GFCI, overcurrent or short circuit protection.





HBL5289



9053A



9054A



Plug In Adapters

Description	Catalog Number
Male end - 2 wire parallel polarized blades, 15A, 125V.	HBL5273L
Female end - 3 wire 15A, 125V straight slot grounding.	
Male end - 3 wire crow foot 15A, 125V blades.	HBL5289 ◆*
Female end - 3 wire 15A, 125V straight slot grounding.	
Male end - 3 wire 10A, 250V, 15A, 125V Twist-Lock® blades.	9053A ◆*
Female end - 3 wire 15A, 125V straight slot grounding.	
Male end - 3 wire 15A, 125V straight blade grounding.	9054A ◆*
Female end - 10A, 250V, 15A 125V Twist-Lock® slots.	

Note: Must always be used with a grounded receptacle. *Not UL Listed.

Fluorescent Starters





Neostart	
The Hubbell Neostart is a glow discharge type of starter	
which combines fast starting speed with rugged, dependable	
operation. The Neostart lights the lamp very rapidly and	-
insures proper lamp operation throughout rated life.	
Because of its rugged construction, it can be depended	
upon to withstand continued punishment resulting from	
lamp failure. In addition, it operates satisfactorily over a wide	
temperature range. In dual lamp circuits, the Neostart lights	
both lamps quickly and uniformly.	

Lamps	Catalog Number
14, 15 and 20 watt lamps	FS2
13, 30 and 40 watt lamps	FS4
4, 6 and 8 watt lamps	FS5
22 watt circle line, 25 watt standard lamps	FS25

Lockout Devices

PLUGOUT®, Keyed PLUGOUT® and SWITCHOUT® Lockout Devices

Description	Typical Devices Accommodated	Catalog Number
Small yellow lockout device.	15 and 20A straight blade plugs. 15A Twist-Lock [®] plugs.	HLDMP
Medium yellow lockout device.	15 and 20A, 125V straight blade plugs. 20 and 30A Twist-Lock® plugs.	HLD
Large yellow lockout device.	20, 30 and 60A metallic and non-metallic Pin and Sleeve, Hubbellock® and 50A Twist-Lock® plugs.	HLD2
Yellow SWITCHOUT device.	Toggle switch.	HSLDPK2*
Yellow lockout kit.	One each of above lockout devices.	HLDKIT
Yellow keyed PLUGOUT, keyed differently.	15 and 20A, 125V straight blade plugs with holes in blades.	HKLD



HLDMP



HLD



Cord Grip

Description	Catalog Number
Cord grip for ½ inch knockouts.	HBL112*

Note: *Not UL Listed.



Lampholders

Lampholders provide lighting in unfinished areas, such as attics and basements.

Porcelain White Lampholders









Catalog Number	RL8804	RL8806	RL8812	RL8816	RL8822
Description	Keyless, 4 Terminal Screws	Keyless, 6 inch Pigtails	Pull Chain, 2 Terminal Screws	Pull Chain, 6 inch Pigtails	Pull Chain with Receptacle, 2 Terminal Screws
	2221/2521/		00011/0501/	22014/2501/	660W 125V 15A 125V
Rating	660W 250V	660W 250V	660W 250V	660W 250V	NEMA 5-15R

Plastic White Lampholders







Catalog Number	RL8504	RL8506	RL8512	RL8516	
Description	Keyless, 4 Terminal Screws	Keyless, 6 inch Pigtails	Pull Chain, 2 Terminal Screws	Pull Chain, 6 inch Pigtails	
Rating	660W 600V	660W 600V	660W 250V	660W 250V	

Incandescent Brass Lampholders, Medium Base













Catalog Number	RL101*	RL102*	RL105*	RL100**	RL106*
Description	Turn Knob, On/Off	Turn Knob, Three Way	Push Through, On/Off	Keyless	Pull Chain, On/Off
Rating	250W 250V	250W 250V	660W 250V	660W 250V	660W 250V

Note: *UL or cUL. **UL or CSA.

Fluorescent Lampholders

Compact Flourescent Lampholders

















RL479HSM	RL413HSI	RL413HSM	RL426G24	DI 40044UCM	DI 40044II0
			1120024	RL42G11HSM	RL42G11H9
G23 base	GX23 base	GX23 base	G24Q-3, GX24Q-4	2G11 base, 4 pin	2G11 base, 4 pin
5W, 7W, 9W	13W	13W	26-32W	18-55W	18-55W
75W, 600V	75W, 600V	75W, 600V	75W, 600V	75W, 600V	75W, 600V
Horizontal, screw-down	Horizontal, snap-in	Horizontal, screw-down	Horizontal, screw-down	Horizontal, screw-down	Vertical 90°, snap-in
	5W, 7W, 9W 75W, 600V Horizontal,	5W, 7W, 9W 13W 75W, 600V 75W, 600V Horizontal, Horizontal,	5W, 7W, 9W 13W 13W 75W, 600V 75W, 600V 75W, 600V Horizontal, Horizontal, Horizontal,	GX24Q-4 5W, 7W, 9W 13W 13W 26-32W 75W, 600V 75W, 600V 75W, 600V Horizontal, Horizontal, Horizontal,	GX24Q-4 4 pin 5W, 7W, 9W 13W 13W 26-32W 18-55W 75W, 600V 75W, 600V 75W, 600V 75W, 600V Horizontal, Horizontal, Horizontal, Horizontal, Horizontal,

RL42G11C



Clip for 2G11 Base Lampholders, Adjustable, Snap-in

High Output Fluorescent Lampholders

















Catalog Number	RL305*	RL306*	RL307	RL308	RL356	RL357
Description	Plunger	Fixed	Plunger	Fixed	Plunger	Fixed
Lamp Type	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Vertical - Power groove & jacketed lamps	Vertical - Power groove & jacketed lamps
Rating	660W, 600V	660W, 600V				
Mounting	Pedestal, slide-on	Pedestal, slide-on	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in

Note: *UL or cUL.

Medium Bi-Pin Fluorescent Lampholders - T8 and T12













RL310*

Plunger

snap-in

Single pin

660W, 600V

Slide-on and



RL311*

Single pin

660W, 600V

Slide-on and

snap-in

Fixed

Catalog Number	RL320	RL325	RL325B
Description	Disconnect 4 wire	Disconnect 4 wire	Shunted 2 wire
Lamp Type	Bi-pin/tall profile	Bi-pin/low profile	Bi-pin/low profile
Rating	660W, 600V	660W, 600V	660W, 600V
Mounting	Slide-on and snap-in with captive nut	Slide-on and snap-in with captive nut	Slide-on and snap-in

Note: *UL or cUL.

Incandescent Lampholders

HID Incandescent Lampholders, Porcelain Keyless









Catalog Number	RL4221*	RL5221	RL3742
Description	Mogul base	Mogul base	Medium base prefocus
Lamp Type	E39 socket	EX39 socket	Bayonet socket
Rating	1500W, 600V Max, 4KV or 5KV PULSE	1500W, 600V Max, 5KV PULSE	1200W, 250V
Mounting	Screw mount, 12 inch leads	Screw mount, 12 inch leads	Screw mount

Note: *UL Listed, CSA Certified.

Straight Body Keyless Porcelain











Catalog Number	RL162	RL156	RL157	RL160	RL158	RL159
Description	Medium base	Medium base	Medium base	Medium base	Medium base, low profile	Medium base, shallow base
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V
Mounting	Screw mount, screw terminals	Screw mount, 12 inch leads	NPSF1/8 hickey with terminals	NPSF1/8 hickey with 12 inch leads	Front mount, panel mount snap-in	Front mount, panel mount snap-in

Surface and Sign Mount, Medium Base











AU	1	
4	1	
1		

Catalog Number	RL152	RL153	RL161	RL163	RL164	
Description	Medium base, Porcelain, Pony Cleat	Medium Base, Plastic, Black, Pony Cleat	Medium base, Porcelain	Medium base, Porcelain	Medium base, Porcelain	
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket	
Rating	660W, 600V	660W, 250V	660W, 250V	660W, 250V	660W, 250V	
Mounting	1 piece, surface mount	1 piece, surface mount	2 piece, surface mount	2 piece, sign mount with leads	2 piece, sign mount with terminals	

Lampholder Accessories

Incandescent Lampholders, Medium Base









Catalog Number	RL124*	RL124H	RL202	
Description	Pigtail Medium Base Socket with 6 inch Leads, Rubber with #18 Gauge Wire		Medium Lampholder to Lampholder Adapter, Pull Chain with Two 2-Prong Outlets without Ground	
Rating	660W 250V	660W 250V	660W 125V 15A 125V	

Note: *cCSAus Certified only.

Incandescent Adapters, Medium Base











Catalog Number	RL150	RL154	RL200	RL201
Description	Medium to medium base extension, Screw-in, E26 to E26 socket	Mogul to medium base adapter, Screw-in E39 to E26 socket	Outlet Adapter, 2 Prong Plug to Medium Lampholder	Medium Lampholder Adapter, Medium Lampholder to Outlet without Ground
Rating	250W, 250V	660W, 250V	15A 660W 125V 15A 125V NEMA 1-15R	15A 125V NEMA 1-15R

Lamp Switches











Catalog Number	RL120	RL121	RL122	RL125
Description	Pull chain switch, 2 circuit, L1/L2/L1+L2/off	Pull chain switch, SPST on/off	Pull chain switch, L1/L2/L3/off	Rotary switch, SPST on/off
Rating	6A 125V AC, 3A 250V AC, 3A 125V "L"	6A 125V AC, 3A 250V AC, 3A 125V "L"	6A 125V AC, 3A 250V AC	6A 125V AC, 3A 250V AC, 3A 125V "L"

Note: 6 inch wire leads are #18 AWG AWM/TEW 105°C 600V.

Snap-in Receptacles







Catalog Number	RR374	RR374W
Description	Single receptacle, Black	Single receptacle, White
Rating	15A 125V, 3 wire NEMA 5-15R	15A 125V, 3 wire NEMA 5-15R

- Accommodate panel thickness of .031 to .062 inch (0.7 to 1.5 mm).
- Panel cutout .95 x .95 inch (24.1 x 24.1 mm).
- #14 AWG 6 inch AWM/TEW FT1 105°C 600V on black and white leads.
- #14 AWG 6 inch AWM/TEW FT1 600V on green lead.

Taps, Adapters, Plugs and Connectors

Taps and Adapters













00101					
lvory	RT600I	RT300I	_	RT200*	_
Orange			RT303	_	
White	RT600W	RT300W	_	_	RT100W
Description	Duplex Receptacle to Six Outlets with Ground	Single Receptacle to Three Outlets with Ground	Single Receptacle to Three Outlets, Heavy Duty Rubber, with Ground	Two Wire to U-Ground	Cube Tap without Ground
Rating	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 1-15

Note: *UL Listed only.

Plugs and Connectors















Color					
Black	RP101BK	RP102BK	RP646	RP648	RP649
White	RP101W	RP102W	—		—
Description	Straight Plug,	Straight Connector,	Straight Plug,	Straight Plug,	Straight Connector,
	Polarized,	Polarized,	Non-Polarized,	Polarized,	Polarized,
	Two Blade	Two Blade,	Two Blade,	Two Blade,	Two Blade,
	Light Duty	Light Duty	Heavy Duty	Heavy Duty	Heavy Duty
Wire Range	#16,18 AWG,	#16,18 AWG,	#14-18 AWG,	#14-18 AWG,	#14-18 AWG,
Cord	Up to .250 inch Dia.	Up to .250 inch Dia.	Up to .330 inch Dia.	Up to .330 inch Dia.	Up to .330 inch Dia.
Rating	15A 125V				
	NEMA 1-15P				

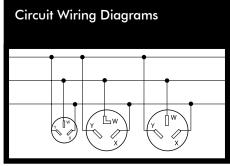
Color	Co
Ivory White	RP123I RP123W
Description	Straight Plug, Non-Polarized, Two Blade
Cord	SPT 1 and 2 Cord 18/2 & 16/2 AWG
Rating	15A 125V NEMA 1-15P

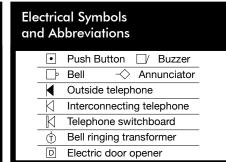
SECTION Tech

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Product Standards and Installation Codes

Standards and codes of many types developed by and for our industry form a vital consideration in the design of our products. The following pages in this section briefly describe the functions of the organizations producing the standards which influence the safety and design of wiring devices.

The American Boat and Yacht Council Inc. (ABYC) is a not-for-profit membership organization that has been developing and updating the safety standards for boat building and repair for over 50 years. ABYC is actively involved with the International Organization for Standardization (ISO) and is a leader in education for the marine industry, as well as certification programs for marine technicians. ABYC's membership includes boat builders, boat owners, surveyors, boat yards, insurance companies, law firms, trade associations, marinas, dealerships, government agencies, educational institutions and equipment and accessory manufacturers. Over 400 volunteers donate time, expertise, and research while serving on technical committees, which develop and revise the ABYC standards and technical information reports. We ensure quality and professionalism in each of ABYC's services.

UL LLC, formely Underwriters Laboratories Inc. (UL) A for-profit corporation, operating in two distinct roles, as a certifier and testing facility, and as a developer of safety standards. By its own definition, Underwriters Laboratories defines itself as follows: "Underwriters Laboratories Inc. founded in 1894, is chartered as a not-for-profit organization without capital stock, under the laws of the state of Delaware to establish, maintain, and operate laboratories for the examination and testing of devices, systems and materials to determine their relation to hazards to life and property." On January 1,

2012, UL moved to a for-profit structure.

Separate from product certifications, UL develops consensus safety standards for the U.S. UL evaluates products for paying "clients" and if the product submitted passes the requirements of the UL standard for which it is submitted, a UL "Listing" is granted which allows the manufacturer to use the UL manifest or "Label" on its products. Electrical inspectors or other Authorities Having Jurisdiction (AHJs) use UL Listings of products to determine acceptability of electrical installations. It is important to remember that UL is not an approval agency. It approves nothing, but lists a product as meeting minimum standards for safety. The Underwriters "Listing" mark on a product is generally accepted by the public and government agencies as evidence of a "safe" product, not necessarily a "quality" product.

CSA Group, formerly Canadian Standards Association (CSA) is a not-for-profit membership-based association and performs a function for manufacturers similar to that performed in the USA by Underwriters Laboratories Inc. (UL) and National Fire Protection Association (NFPA). CSA Standards develops product safety standards for Canada, which parallel UL standards in many aspects but are not always identical. CSA International evaluates products and grants paying clients "Certification" that their products meet CSA Standards. CSA Standards also sponsors the Canadian Electrical Code (CE Code).

American National Standards Institute, Inc. (ANSI) as the voice of the U.S. standards and conformity assessment system, the American National Standards Institute (ANSI) empowers its members and constituents to strengthen the U.S. marketplace position in the global economy while helping to assure the safety and health of consumers and the protection of the environment.

The Institute oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector: from acoustical devices to construction equipment, from dairy and livestock production to energy distribution, and many more. ANSI is also actively engaged in accrediting programs that assess conformance to standards – including globally-recognized cross-sector programs such as the ISO 9000 (quality), ISO 14000 (environmental) and ISO 17025 (laboratory) management systems.

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes international standards for all electrical, electronic and related technologies. These serve as a basis for national standardization and as references when drafting international tenders and contracts. Through its members, the IEC promotes international cooperation on all questions of electrotechnical standardization and related matters, such as the assessment of conformity to standards, in the fields of electricity, electronics and related technologies.

IEC's international standards facilitate world trade by removing technical barriers to trade, leading to new markets and economic growth. Put simply, a

Product Standards and Installation Codes

component or system manufactured to IEC standards and manufactured in country A can be sold and used in countries B through Z. IEC's standards are vital since they also represent the core of the World Trade Organization's Agreement on Technical Barriers to Trade (TBT), whose 100-plus central government members explicitly recognize that international standards play a critical role in improving industrial efficiency and developing world trade.

The National Electrical Code® (NEC®)

The NEC is a model installation code developed by NFPA's Committee on the National Electrical Code®, which consists of 19 Code-Making Panels and a Technical Correlating Committee. Work on the NEC is sponsored by the National Fire Protection Association (NFPA). The NEC is approved as an American National Standard by the American National Standards Institute (ANSI). It is formally identified as ANSI/NFPA 70. The NEC must be adopted locally by legislation or regulation.

First published in 1897, the NEC is updated and published every three years. The 2017 edition will be published in October 2016. Most states adopt the most recent edition within a couple of years of its publication. As with any "uniform" code, a few jurisdictions regularly omit or modify some sections, or add their own requirements (sometimes based upon earlier versions of the NEC, or locally accepted practices). However, the NEC is the least amended model code, even with it setting minimum standards. No court has faulted anyone for using the latest version of the NEC, even when the local code was not updated to the most recent edition.

National Electrical Manufacturers Association (NEMA®) An organization of over 450 manufacturers of electrical equipment, including, but not limited to, wiring devices, wire and cable, conduit, load centers, pressure wire connectors, circuit breakers, fuses, etc. NEMA is the "voice" of the electrical industry, and through it, standards are developed for electrical distribution.

Generally these standards promote interchangeability between products of one manufacturer with like products made by another manufacturer. In some cases, standards relating to product "performance" are also formulated by NEMA but these are the exception rather than the rule.

NEMA standards are not compulsory, but generally are accepted by those manufacturers that help to write them as a way of making their products more saleable and acceptable. However, many NEMA

standards, such as ANSI/NEMA WD 6, are approved by the American Standards Institute and referenced by mandatory UL and CSA product standards. NEMA standards are utilized by many consumers in writing specifications for the materials they purchase. NEMA does not evaluate or certify products or enforce regulations.

General Services Administration Federal Supply Service (GSA) Federal Supply Service (FSS) provides federal customers with the products, services, and programs to meet their supply, service, procurement, vehicle purchasing and leasing, travel and transportation, and personal property management requirements. Hubbell offers devices listed by UL as FED SPEC and can be found throughout this catalog.

Occupational Safety and Health Administration (OSHA) is a branch of the US Department of Labor which was created to assure safe and healthful working conditions for working men and women. OSHA uses regulations from the Federal Register, NFPA and the National Electric Code to establish and enforce safety standards for the workplace. It is important to note: OSHA does NOT approve products. OSHA enforces existing safety regulations.

Canadian Electrical Code, Part I (CE Code)

The CE Code is a model installation code developed by the Committee on CE Code, Part I, composed of members representing inspection authorities, manufacturing and utilizing industries, utilities and allied interests. The Committee meets annually to address reports submitted by 43 section subcommittees. Work on CE Code, Part I is sponsored by CSA Standards. The product standards of CSA Standards comprise the Canadian Electrical Code, Part II.

First published in 1927, the CE Code, Part I, is updated and published every three years, prior to 2006 every four years. The 2012 CE Code, Part I, is the latest edition. As with any "uniform" code, provinces and a few jurisdictions regularly modify or add their own requirements.

NSF International, formerly National Sanitation Foundation (NSF) NSF International is a not-for-profit organization founded in 1944 from the University of Michigan's School of Public Safety. NSF develops public health standards, and provides and enforces certifications to protect food, water, and beverages. NSF is the leading certifier of food service equipment.

Certification Agencies and Markings

Understanding Certification Marks:

Certification marks vary significantly with respect to testing required to achieve a particular mark. In some cases, (i.e.: Specification Grade), no outside certification agency is involved. The manufacturer decides which of their products they wish to be so identified. The following table for 15 and 20A Straight Blade receptacles demonstrates these wide differences. The understanding of these marks permits the user/specifier to make more meaningful product selections.

Understanding Product Certification Marks - 15 and 20 Amp Straight Blade Receptacles Products that carry certification marks must meet the specific testing standards indicated

Certification Mark	Description	UL 498	CSA, C22.2 No. 42	UL 498 Hospital Grade	CSA, C22.2 No. 42 M Hospital Grade	DESC WC596
Spec Grade*	Self Certified, No Testing Required- A	dvertising	/Trade N	ame		
****	Used on recognized component parts that are part of a Listed product or system intended for the United States. Component "C" intended for Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA).	x				
c 511 °us **	Used on recognized component parts that are part of a Listed product or system intended for the United States and Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA).	x				
UL LISTED SP US	Products found with this mark means Underwriters Laboratory or CSA International found that representative samples of this product met Underwriters Laboratory's published Standards for Safety intended for the US market.	x				
المَّان وَالْكُ	Products found with this mark are certified primarily for the Canadian market.		х			
c U us c P us	Products intended for US and Canada.	х	х			
• Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.	x		x		
• Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.		x		х	
F ULS	In addition to complying with general use grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	x				x
F U S Fed. Spec. • Hospital Grade	In addition to complying with general use and hospital grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	x		х		x

Note: *Includes such variation as Premium Spec, Super Spec, etc.

Cross Reference Note:

Recognize that cross reference guides supplied by some manufacturers should be used only to determine compatible devices (rating and configuration). It does not, in any way, deal with performance levels (which will vary widely by manufacturer). Common catalog numbers are often used for convenience of selection. The use of the same catalog number is solely the discretion of the manufacturer. It in no way implies compliance to any standard or testing criteria.

^{**}End Product test also required.

Industry Associations, Organizations and Standards

For convenience, the following listings define common acronyms for a variety of organizations.

Standards Development Organizations: Organizations primarily involved in the development and/or promulgation of standards.

ANSI American National Standards Institute.

CANENA Conseio de Armonizacion de los Naciones de America.

CSA Canadian Standards Association.

IEC International Electrotechnical Commission.
IEEE Institute of Electrical & Electronics Engineers, Inc.
ISA The Instrumentation, Systems and Automation Society.

ISO International Organization for Standardization.
LEEDS Leadership in Energy and Environmental Design.

NFPA National Fire Protection Association, Inc.

NSF National Sanitation Foundation.
SAE Society of Automotive Engineers.
SME Society of Manufacturing Engineers.
USGBC United States Green Building Council.
UL Underwriters Laboratories Inc.















Installation Codes

CEC Part I Canadian Electrical Code, Part I.

NEC® National Electrical Code®.

NOM Normas Oficiales Mexicanas (Mexican Electrical Code).





Industry Associations: Associations of companies or individuals for the purpose of standardization, trade, and professional development, etc.

ABYC American Boat and Yacht Council.

ASTM American Society for Testing and Materials.

BICSI Building Industry Consulting Services International.

BOMA Building Owner Management Association.
CANAME Camara Nacional de Manufacturas Electricas.

CEMRA Canadian Electrical Manufacturers Representative Association.

ECOC Electrical Contractors of Canada.

EF-C Electro-Federation-Canada.

EIA Electronic Industries Alliance.

EPRI Electric Power Research Institute.

IAEI International Association of Electrical Inspectors.
IECI Independent Electrical Contractors International.
IFMA International Facilities Management Association.
NAED National Association of Electrical Distributors.

NAW National Association of Wholesalers.

NECA National Electrical Contractors Association.

NEMA National Electrical Manufacturers Association.

NEMRA National Electrical Manufacturers Representatives Association.

NMDA National Marine Distributor Association.
NMRA National Marine Representative Association.

SEMI Semi Conductor Equipment and Material International.

TIA Telecommunication Industry Association.

















Codes and Standards Organizations

For convenience, the following listings define common acronyms for a variety of organizations.

Certification Agencies: Primarily involved in certification of products or manufacturers to standards developed by the certification agency or by others.

National Association of Normalization and Certification of the Electrical Sector. **ANCE**

BSI British Standards Institute.

Self Certification Marking of European Community. CE

CCC China Compulsory Certification.

Canadian Standards Association or CSA International. CSA

Factory Mutual. FΜ

NRTL Nationally Recognized (by OSHA) Testing Laboratory. Product Safety Electrical Appliance and Material (Japan). PSE

TÜV Rheinland of N.A., Inc. ΤÜV Underwriters Laboratories Inc. UL

VDF Verband Deutscher Elektrotechniker (Germany).























Hubbell products are in the process of being certified in Mexico. Many have already been certified. Consult with the factory for specific data.

Government Agencies

DSCC Defense Supply Center - Columbus.

European Union. EU

FCC Federal Communications Commission.

IAPA Industrial Accident & Prevention Association (Canada). **OSHA** Occupational Safety and Health Administration.

Copies of standards referred to on the preceding pages may be purchased from the following:

American Boat and Yacht Council, Inc. (ABYC)

613 Third Street, Suite 10 Annapolis, MD 21403

USA

The American National Standards Institute (ANSI)

25 West 43rd Street, (between 5th and 6th Avenues), 4 floor New York, NY 10036

1819 L Street, NW (between 18th and 19th Streets), 6th floor Washington, DC 20036

USA

CSA Group (CSA)

178 Rexdale Boulevard Toronto, Ontario M9W 1R3 **CANADA**

National Electrical Manufacturers Association (NEMA)

1300 North 17th Street Rosslyn, VA 22209

USA

National Fire Protection Association (NFPA)

1 Batterymarch Park Quincy, MA 02169-7471

USA

NSF International (NSF)

789 North Dixboro Road Ann Arbor, MI 49105

USA

The International Electrotechnical Commission (IEC)

IEC Central Office 3, rue de Varembé P.O. Box 131

CH - 1211 GENEVA 20

Switzerland

Asociacion Nacional de Normalizacion v Certificacion del Sector Electrico A.C. (NOM - ANCE)

Ibsen No.13,

Colonia Chapultepec Polanco, C.P.11560 México, D.F., Conmutador 5280-6775

Occupational Safety and **Health Administration (OSHA)**

Occupational Safety & Health

Administration

200 Constitution Avenue, NW Washington, DC 20210

USA

UL LLC (UL)

Underwriters Laboratories Inc. 333 Pfingsten Road Northbrook, IL 60062-2096 USA

AC Switch Data and Horsepower Explanation

AC Test Requirements

When AC general use switches were considered by the industry and Underwriters' Laboratories, Inc. thought was given to the ratings and it was decided to rate the switches in accordance with NEC branch circuit ratings of 15, 20 and 30 amperes. It was also decided to test the switch for all the loads that could be applied to a branch circuit. Therefore, all AC switches are tested on resistance, tungsten lamp and inductive loads to 100% of switch rating.

Underwriters' Laboratories and Canadian Standards Association Test requirements for AC General Use Switches

In order to be listed by Underwriters' Laboratories, Inc. and certified by CSA International, all 15, 20 and 30 amperes 120/277V AC switches must perform, without failure, the following sequence of tests.

- 1. An overload test of 100 cycles at 4.8 times rated current and 40-50% power factor and rated voltage. This overload test is performed at 144 amps, 277 volts for 30 ampere switches at 6-10 cycles per minute.
- 2. 10,000 cycles on a plain resistance load at full rating of 15, 20 or 30 amperes, at 277 volts at 18-24 cycles per minute.
- 3. 10,000 cycles on an inductive load of either 15, 20 or 30 amperes at 277 volts, 80% power factor at 24 cycles per minute.
- 4. 10,000 cycles at 15, 20 or 30 amperes, 120 volts on a tungsten filament lamp load at 6-10 cycles per minute.
- Temperature rise at test-rated load. In this test, temperature rise must not exceed 30 degrees Celsius.
- 6. A switch shall withstand, without breakdown, 1500 volts for 1 minute between live parts of opposite polarity and between live parts and dead metal parts, with the switch at the maximum operating temperature reached in intended use.

Explanation of "Horsepower" Ratings

Manual motor controllers marked with Horsepower Ratings are suitable for controlling the Motor Loads of the HP ratings shown on the manual motor controllers for that operating voltage as well as for lower HP ratings.

To qualify for an HP rating, a manual motor controllers is tested at (6) six times the full load Motor Current corresponding to the HP rating marked on the switch. (For DC Motor Controllers, the test is made at 10 times the full load Motor Current corresponding to the DC HP rating marked on the switch). The test consists of 50 on-off operations at this load and the test is conducted on (3) three samples. For ¾ HP 120 - 240 volts AC rating, (2) two sets of (3) three samples each are tested in addition to the regular overload, endurance, temp. rise and dielectric tests. The test circuit characteristics are:

	120V AC	240V AC
Closed Circuit Volts	120 volts AC	240 volts AC
Current	82.8 amps	41.4 amps
Power Factor	0.40-0.50	0.40-0.50

Note: Current at 240V AC is 1/2 that at 120V AC

All manual motor controllers must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to the ground (the manual motor controller frames are grounded during the stalled rotor test).

Wiring Device Standards and Testing

Wiring Device Standards

There are many different marketing terms in the electrical industry to describe the various electrical receptacles available from different manufacturers. Some of these terms include: Spec-Grade, Commercial, Heavy Duty, Industrial, Hard-Use, etc. There are no clear or universal definitions for these terms. There is no criteria established to differentiate one term from the next. Reliance solely upon these terms is not a reliable measure of performance or durability in a given application.

Underwriters Laboratories (UL) recognized a need to categorize receptacles based on application and expectations of performance. As a result, UL verifies performance to the following designations. Here are brief descriptions of each:



General Use - UL 498 – All duplex receptacles are required to meet these general requirements. Devices bearing the UL mark for general use have been tested to insure they can safely provide power in typical everyday usage (vacuum, lamps, electronics, etc.).



Fed. Spec. - W-C-596 – The Federal Government wanted some way to determine that a receptacle performed better than average and would withstand the tougher demands of institutional use (post offices, military installations, prisons, etc.). Fed. Spec. listing identifies receptacles as having construction features, marking specifications and performance requirement (i.e., plug retention, increased cycle testing) beyond the requirements of the general use listing.



Hospital Grade – In addition to compliance with general use requirements, Hospital Grade receptacles must meet performance criteria designed to test: ground reliability, assembly integrity, overall strength and reliability. Hospital Grade devices are marked with a green dot on their face.



Hospital Grade Fed. Spec. – Receptacles meeting this designation meet requirements and have completed test programs for both Fed. Spec. and Hospital Grade receptacles. All Hubbell Hospital Grade devices are UL listed to this designation.

These UL designations are a better determinant of performance than marketing descriptions, for performance and durability.

Wiring Device Standards and Testing

Testing for Hospital Grade and Fed. Spec. Listing of Hubbell Receptacles, Plugs and Connectors

All Hubbell Hospital Grade products are tested quarterly in our factories with Underwriters Laboratories.

Receptacles

Fed. Spec. Test: Ground Pin Retention Test - The grounding contact of the receptacle is conditioned by twenty insertions with a 0.204 inch oversized diameter pin. After conditioning, a 0.184 inch diameter pin is inserted in the grounding contact must be capable of supporting a weight of at least 4 ounces for one minute.

Fed. Spec. Test: Power Blade Retention Test - A test plug with a single oversized blade measuring 0.075 inch thick is inserted into each current carrying contact for twenty conditioning cycles. When the conditioning cycles are completed, each contact must be capable of supporting, for one minute, 1.5 pounds secured to a single 0.055 inch thick solid steel blade without holes.

HG Test: Abrupt Removal of Plug Test - A steel bodied test plug with blades made of brass is inserted into the receptacle. A 10 pound weight dropped from at least 24 inches, pulls the plug out of the receptacle abruptly. This test is done eight times with the receptacle rotated in different positions to create the greatest stress to the face and contacts. Then, with the receptacle facing down, the grounding contact must retain a 4 ounce grounding pin with a 0.184 inch diameter for one minute. After this test there shall be no breakage of the receptacle that interferes with the receptacle function or to the integrity of the enclosure.

Fed. Spec. Test: Assembly Security Test - A force of 100 pounds is applied through the slots of the receptacle into the base while the bridge is supported at its screw mounting positions. Each receptacle is then examined for damage.

Plugs and Connectors

HG Test: Impact Test – A plug or connector wired with the minimum size flexible cord is subjected to an impact from a 10 pound cylindrical weight having a flat face with a 2 inch diameter dropped from a height of 18 inches. After the test, there shall be no breakage or other damage that may effect the function of the device.

HG Test: Mechanical Drop Test – The cord connector is wired to #18 AWG flexible cord and suspended horizontally. It is released so it impacts a hardwood surface 45 inches below the point of suspension. This is repeated for 1,300 cycles. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

HG Test: 500 Pound Crush Test – A wired plug or connector is placed between two hardwood slabs while subjected to a force which is progressively increased to 500 pounds. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

HG Test: Strain Relief Test – While assembled to a plug or connector but not wired to the terminals; the cord must remain securely fastened after a straight pull of 30 pounds and a rotary motion within 3 inch circles with a 10 pound force applied for two consecutive hours. Displacement of conductors, insulation and outer jacket of the flexible cord shall not exceed 0.031 inch. There shall be no cuts, rips or tears in the insulation of the cord.

RoHS, WR, TR and LED Power Descriptions



RoHS - Restriction of Hazardous Substances

This EU Directive, 2002/95/EC, prohibits the use of mercury, cadmium, lead, chromium VI, PBB (polybrominated biphenyls) and PBDE (polybrominated diphenyl ethers) in certain electrical products. The regulatory maximums for these items are 0.01%, by weight, for cadmium and 0.1%, by weight, for the other five items in each "homogenous unit" contained within that product. There are certain exemptions available from the RoHS requirements.



Weather Resistant Receptacles

Per National Electrical Code (NEC®) Section 406.9; all 125 and 250 volt, 15 and 20 amp non-locking receptacles for use in damp or wet locations shall be a listed weather resistant type. Listed devices are required to have a WR marking on the face visible when installed.



Tamper-Resistant Receptacles

Per National Electrical Code (NEC®) Section 406.12 now addresses all 15 and 20 ampere, 125 and 250 volt nonlocking-type receptacles in the areas specified in 406.12(1) through (7) shall be listed tamper-resistant receptacles. New occupancies have been added to the receptacle tamper-resistant requirements: Dwelling units, guest rooms and guest suites of hotels and motels, child care facilities, preschools and elementary education facilities, business offices, corridors, waiting rooms and in clinics, medical and dental offices and outpatient facilities, places of waiting transportation, gymnasiums, skating rinks, auditoriums and dormitories.



LED Power Indicators

Most popularly used to identify emergency circuits in hospitals, the LED power indicators are bright enough to be visible in low light as well as bright daylight conditions.

Tamper-Resistant SG Series Duplex Receptacle, Hospital Grade. How the SG Tamper-Resistant Receptacle Works.

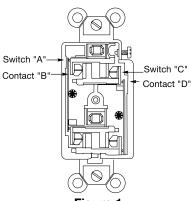


Figure 1

Complies with requirements of NEC Section 517-18(c).

Figure 2

As shown in Figure 1, Switch "A" energizes the left hand Contact "B" and Switch "C" energizes the right hand Contact "D". The same arrangement applies to the lower portion of the outlet.

If, for example, a metallic object is inserted into the left power Contact "B" only, the object is not energized because it requires the additional insertion of a similar object in the opposite Contact "D" to move the slider to close Switch "A".

Similarly, if an object is inserted into the right hand slot only, it cannot become energized unless and additional object is inserted in the opposite slot to close Switch "C".

In other words it requires the presence of an object in both right and left hand contacts to energize the device. This condition is in practice fulfilled only by the insertion of the proper electrical plug as shown in Figure 2.

Remember, this receptacle can be used with either a 2 or 3 wire plug. No other tamper-resistant receptacle on the market can provide you with greater reliability and durability than the Hubbell hospital grade tamper resistant receptacle.

Complies with requirements of NEC Section 517-18(c).

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

NEMA and IEC Classifications

Comparison Between NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations

IEC Publication 60529 Classification of Degrees of Protection Provided by Enclosures provides a system for specifying the enclosures of electrical equipment on the basis of the degree of protection provided by the enclosure. IEC 60529 does not specify degrees of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (produced for example by condensation), corrosive vapors, fungus, or vermin. NEMA Standards Publication 250 does test for environmental condition such as corrosion, rust, icing, oil, and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers. The IEC designation consists of the letters IP followed by two numerals. The first characteristic numeral indicates the degree of protection provided by the enclosure with respect to persons and solid foreign objects entering the enclosure. The second characteristic numeral indicates the degree of protection provided by the enclosure with respect to the harmful ingress of water.

The table below provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. The NEMA Types meet or exceed the test requirements for the associated IEC Classifications; for this reason the table cannot be used to convert from IEC Classifications to NEMA Types.

Conversion of NEMA Type Numbers to IEC Classification Designations

(Cannot be used to convert IEC classification designations to NEMA type numbers)

NEMA Enclosure Type Number	IEC Enclosure Classification Des- ignation	Basic Description
1	IP10	General Purpose
2	IP11	Dripproof- Indoor
3	IP54	Dusttight, Raintight and Sleet (Ice) Resistant- Outdoor
3R	IP14	Rainproof and Sleet (Ice) Resistant- Outdoor
3S	IP44, IP54	Dusttight, Raintight and Sleet (ice) Proof- Outdoor
4	IP56	Watertight and Dusttight- Indoor and Outdoor
4X	IP56	Watertight, Dusttight and Corrosion-Resistant - Indoor and Outdoor
5	IP52	Superseded by Type 12 for Control Apparatus
6	IP67	Submersible, Watertight, Dusttight and Sleet (Ice) Resistant- Indoor and Outdoor
12	IP52	Industrial Use, Dusttight and Driptight- Indoor
12K	IP52	Industrial Use, Dusttight and Driptight with Knockouts- Indoor
13	IP54	Oiltight and Dusttight- Indoor

Elements of the IP Code and Their Meanings - In Accordance with Standard IEC 60529

IP Suitability Ratings are a system for classifying the degree of ingress protection provided by enclosures of electrical equipment. Generally, the higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment.

Example: IP67 = Ingress Protection/Dust-Tight/Temporary Immersion

Meaning for the Protection of Equipment First Number **Code Letters** Second Number Against Ingress of Against Ingress of Water Ingress Protection Solid Foreign Objects with Harmful Effects 0 - Non-protected 0 - Non-protected ΙP 1 ≥ 50mm diameter 1 - Vertically dripping 2 ≥ 12.5mm diameter 2 - Dripping (15 Tilted) The numerals stand for the following: 3 - Spraying 3 ≥ 2.5mm diameter 4 - Splashing 4 ≥ 1.0mm diameter 1. First Numeral: degree of protection for persons against access to hazardous parts inside the 5 - Dust-protected 5 - Jetting enclosure and/or against the ingress of solid 6 - Dust-tight 6 - Power jetting foreign objects. 7 – Temporary immersion 2. Second Numeral: degree of protection of 8 - Continuous immersion equipment inside enclosures against damage from the ingress of water.

Enclosure Types for Self-Certified Non-Hazardous (Unclassified) Locations

	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum) UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations		CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures	
Designation	Intended Use and Description	Intended Use and Description	Intended Use and Description	
Definition	An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosure - A surrounding case constructed to provide a degree of protection against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosuresprovide a degree of protection against accidental contact with the enclosed equipment, and to the enclosed equipment, against specified environmental conditions.	
Type 1	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt.	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	No CSA equivalent.	
Type 2	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment, to provide a degree of protection against falling dirt, and to provide a degree of protection against dripping and light splashing of non-corrosive liquids.	Indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids, and falling dirt.	
Type 3	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and wind blown dust; undamaged by the external formation of ice on the enclosure.	
Type 3X	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.	
Type 3R	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, and snow; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosure.	
Type 3RX	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.	
Type 3S	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and in which the external mechanism(s) remain operable when ice laden.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and windblown dust, the external mechanism(s) remain operable while ice covered.	
Type 3SX	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.	
Type 4	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water, and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.	own use, constructed so as to provide a degree of protection against rain, snow, windblow	
Type 4X	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water, undamaged by the external formation of ice on the enclosure; resists corrosion.	

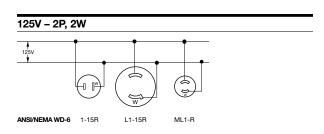
Enclosure Types for Self-Certified Non-Hazardous (Unclassified) Locations

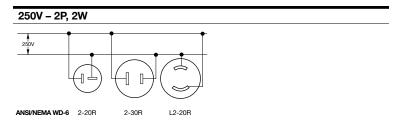
	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum)	UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations	CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures
Designation	Intended Use and Description	Intended Use and Description	Intended Use and Description
Type 5	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against settling airborne dust, lint, fibers, and flyings; and to provide a degree of protection against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids and settling dust, lint, fibers, and flyings.
Type 6	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose directed water and the entry of water during occasional temporary submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth; undamaged by the external formation of ice on the enclosure.
Type 6P	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose-directed water and the entry of water during prolonged submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during prolonged submersion at a limited depth; undamage by the external formation of ice on the enclosure; resists extended corrosion.
Type 12	Enclosures constructed (without knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 12K	Enclosures constructed (with knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 13	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against the spraying, splashing, and seepage of water, oil, and non-corrosive coolants.	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; seepage and spraying of non-corrosive liquids including oils and coolants.

Circuit Wiring Diagrams

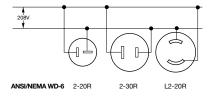
Wiring Diagrams for NEMA Configurations

(Configurations shown are for female devices)

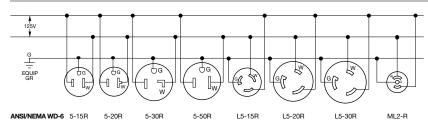




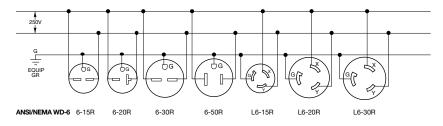
208V AC Line-to-Line* - 2P, 2W



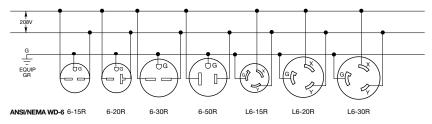
125V - 2P, 3W - Grounding



250V - 2P, 3W - Grounding



208V AC Line-to-Line* - 2P, 3W - Grounding



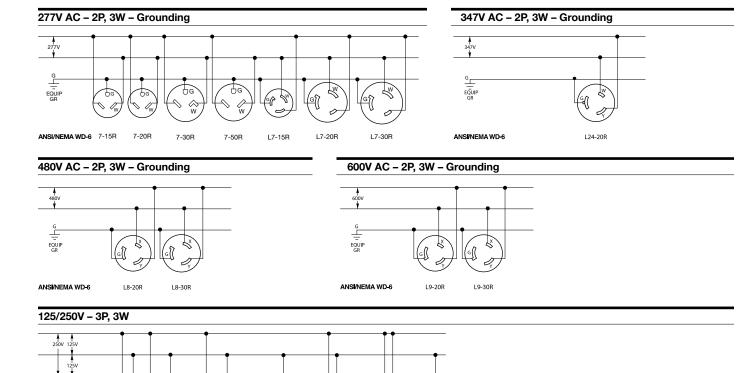
Note: *Does NOT encompass 208V AC Line-to-Neutral.

The above diagrams are intended to show device terminal identification only.

Circuit Wiring Diagrams

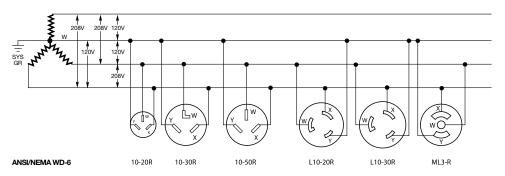
Wiring Diagrams for NEMA Configurations

(Configurations shown are for female devices)



1Ø 120/208YV AC - 3P, 3W

ANSI/NEMA WD-6

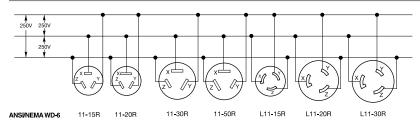


Circuit Wiring Diagrams

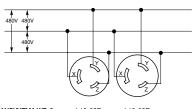
Wiring Diagrams for NEMA Configurations

(Configurations shown are for female devices)

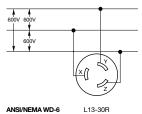
3Ø 250V AC - 3P, 3W



3Ø 480V AC - 3P, 3W



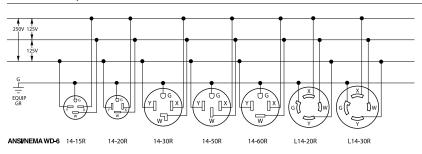
3Ø 600V AC - 3P, 3W



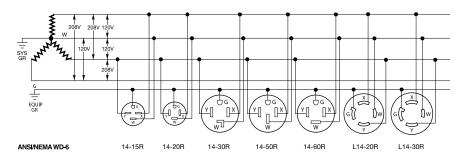
ANSI/NEMA WD-6

2-20R L12-30R

125/250V - 3P, 4W



1Ø 120/208YV AC - 3P, 4W - Grounding

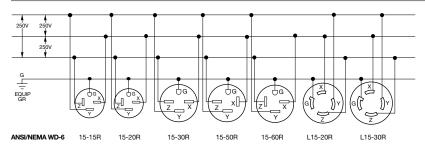


Circuit Wiring Diagrams

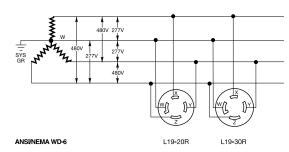
Wiring Diagrams for NEMA Configurations

(Configurations shown are for female devices)

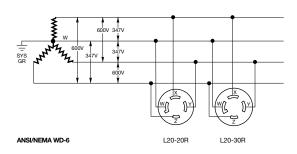
3Ø 250V - 3P, 4W - Grounding



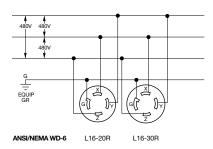
3ØY 277/480V AC - 4P, 4W



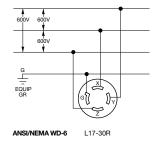
3ØY 347/600V AC - 4P, 4W



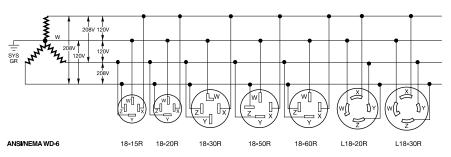
3Ø 480V AC - 3P, 4W - Grounding



3Ø 600V AC - 3P, 4W - Grounding



3ØY 120/208V AC - 4P, 4W

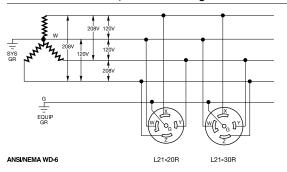


Circuit Wiring Diagrams

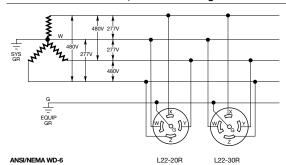
Wiring Diagrams for NEMA Configurations

(Configurations shown are for female devices)

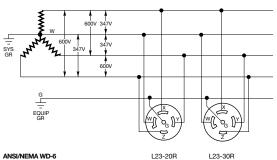
3ØY 120/208V AC - 4P, 5W - Grounding

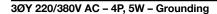


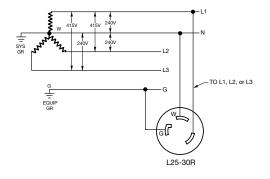
3ØY 277/480V AC - 4P, 5W - Grounding



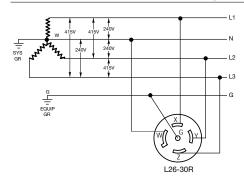
3ØY 347/600V AC - 4P, 5W - Grounding







3ØY 240/415V AC - 4P, 5W - Grounding



Horsepower Ratings and UL 508A Table SB4.1

Horsepower Ratings for NEMA Configurations - Plugs and Receptacles Only

Straight Blade				Loc	king		
NEMA Configuration	AC HP Rating ¹	NEMA Configuration	AC HP Rating ¹	NEMA Configuration	AC HP Rating ¹	NEMA Configuration	AC HP Rating ¹
1-15 2-15 2-20 2-30	0.5 1.5* 2* 2*	11-15 11-20 11-30 11-50	2 3 3 7.5	L1-15 L2-20 L5-15 L5-20	0.5 2* 0.5	L11-15 L11-20 L11-30	2 3 3
5-15 5-20 5-30 5-50	0.5 1 2 2	14-15 14-20	1.5 L-L* 0.5 L-N 2 L-L*	L5-30 L6-15 L6-20 L6-30	2 1.5* 2* 2*	L12-20 L12-30 L14-20	5 10 2 L-L* 1 L-N
6-15 6-20 6-30 6-50	1.5* 2* 2* 3*	14-30	1 L-N 2 L-L* 2 L-N	L7-15 L7-20 L7-30	2 2 3	L14-30 L15-20 L15-30	2 L-L* 2 L-N 3 3
7-15 7-20 7-30 7-50	2 2 3 5	14-50 14-60	3 L-L* 2 L-N 3 L-L* 2 L-N	L8-20 L8-30	3 5	L16-20 L16-30 L18-20 L18-30	5 10 2 3
10-20	2 L-L* 1 L-N 2 L-L* 2 L-N	15-15 15-20 15-30 15-50 15-60	2 3 7.5 10	L10-20	2 L-L* 1 L-N 2 L-L* 2 L-N	L19-20 L19-30 L21-20 L21-30 L22-20	5 10 2 3 5
10-50	3 L-L* 2 L-N	18-20 18-30 18-50 18-60	2 2 3 7.5 7.5			L22-30 L25-30 L26-30	10 2 7.5

Note: 1The phase to phase horsepower ratings are noted "L-L". The phase to neutral ratings are identified "L-N".

UL 231 Table 2.1, UL 508A Table SB4.1, UL 891 Table 16 - Assumed Maximum Short Circuit Current Rating for Unmarked Components When Used in UL 231 Power Outlets, UL 508A Industrial Control Panels, and UL 891 Switchboards

Component	Short Circuit Current Rating, kA
Bus bars	10
Circuit breaker (including GFCI type)	5
Current meters	a
Current shunt	10
Fuseholder	10
Industrial control equipment:	
a. Auxiliary devices (overload relay)	5
b. Switches (other than mercury tube type)	5
c. Mercury tube switches	
- Rated over 60 amperes or over 250 volts	5
- Rated 250 volts or less, 60 amperes or less, and over 2 kVA	3.5
- Rated 250 volts or less and 2 kVA or less	1
Motor controller, rated in horsepower (kW)	
a. 0 – 50 (0 – 37.3)	5c
b. 51 – 200 (38 – 149)	10c
c. 201 – 400 (150 – 298)	18c
d. 401 – 600 (299 – 447)	30c
e. 601 – 900 (448 – 671)	42c
f. 901 – 1500 (672 – 1193)	85c
Meter socket base	10
Miniature or miscellaneous fuse	10b
Receptacle (GFCI type)	2
Receptacle (other than GFCI type)	10
Supplementary protector	0.2 5
Switch unit	10
Terminal block or power distribution block	10

Note: a A short circuit current rating is not required when connected via a current transformer or current shunt.

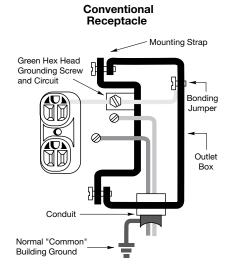
^{*}Also suitable for 208V Line-to-Line, not 208V Line-to-Neutral.

A directly connected current meter shall have a marked short circuit current rating.

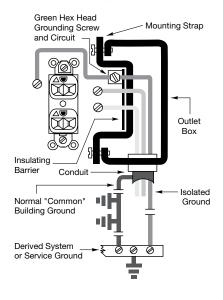
b The use of a miniature fuse is limited to 125-volt circuits.

c Standard fault current rating for motor controller rated within specified horsepower range.

Isolated Ground Story



Isolated Ground Receptacle



Hubbell Isolated Ground Receptacles

Why do you need an isolated ground device?

When mounting a conventional receptacle in a steel box, the ground is commonly established through the existing electrical system. This is done by using either the grounding clip on the receptacle's mounting strap, or by running a ground wire (which is part of the "normal" existing system) to the green grounding screw.

In a conventional receptacle the grounding contacts are connected to the mounting strap and the green grounding screw. Thus, even when a separate green wire is brought to the receptacle, it is still tied into the normal ground. This occurs since the mounting strap is in contact with the box grounding system, therefore, a "pure" isolated path to the ground is not established.

The Problem

The conventional grounding receptacle provides safety for personnel and equipment. However, the ground network also serves as a giant antenna and conductor of electrical noise. This electrical noise is electromagnetic interference and is caused by numerous transient ground currents. This can produce random transient electrical signals on the grounding system.

As a result, sensitive electronic equipment such as point of purchase terminals, accounting machines, computers and highly sensitive medical and communications equipment, can pick up these transient signals. This can interfere with the proper operation of the equipment.

The Solution

The isolated ground receptacle is similar to a conventional receptacle except for one important change. Insulating barrier construction, first patented by Hubbell, isolates the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. The isolated equipment grounding circuit is completed by running an isolated ground wire to the green grounding screw. This ground wire passes through intermediate panel boards without being connected to their grounding terminal and terminates directly at an equipment grounding conductor terminal of the derived system or service, in accordance with NEC® requirements.

The Result

This "isolated ground" can be kept relatively free of electrical noise. This is achieved since the grounding network has less branches, fewer sources of noise, and is connected to the ground at a single point.

Decimal Equivalents Table

Decimal Equivalents Table

Inches	Inches	Millimeters	Inches	Inches	Millimeters
1/64	.015625	.3969	33/64	.515625	13.0969
1/32	.03125	.7938	17/32	.53125	13.4938
3/64	.046875	1.1906	³⁵ / ₆₄	.546875	13.8906
1/16	.0625	1.5875	9/16	.5625	14.2875
64	.078125	1.9844	³⁷ / ₆₄	.578125	14.6844
3/32	.09375	2.3813	19/32	.59375	15.0813
7/ ₆₄	.109375	2.7781	39/64	.609375	15.4781
/8	.1250	3.1750		.6250	15.8750
9/64	.140625	3.5719	41/64	.640625	16.2719
32	.15625	3.9688	21/32	.65625	16.6688
11/64	.171875	4.3656	43/64	.671875	17.0656
3/16	.1875	4.7625	11/16	.6875	17.4625
13/64	.203125	5.1594	⁴⁵ / ₆₄	.703125	17.8594
/ ₃₂	.21875	5.5563	²³ / ₃₂	.71875	18.2563
5/64	.234375	5.9531	⁴⁷ / ₆₄	.734375	18.6531
1/4	.2500	6.3500	3/4	.7500	19.0500
17/64	.265625	6.7469	49/64	.765625	19.4469
9/32	.28125	7.1438	²⁵ / ₃₂	.78125	19.8438
9/64	.296875	7.5406	51/64	.796875	20.2406
16	.3125	7.9375	13/16	.8125	20.6375
21/64	.328125	8.3344	53/64	.828125	21.0344
1/32	.34375	8.7313	²⁷ / ₃₂	.84375	21.4313
23/64	.359375	9.1281	⁵⁵ / ₆₄	.859375	21.8281
⁵ / ₈	.3750	9.5250	7/8	.8750	22.2250
25/64	.390625	9.9219	57/64	.890625	22.6219
13/32	.40625	10.3188	²⁹ / ₃₂	.90625	23.0188
27/64	.421875	10.7156	⁵⁹ / ₆₄	.921875	23.4156
7/16	.4375	11.1125	15/16	.9375	23.8125
²⁹ / ₆₄	.453125	11.5094	61/64	.953125	24.2094
15/32	.46875	11.9063	31/32	.96875	24.6063
³¹ / ₆₄	.484375	12.3031	63/64	.984375	25.0031
1/2	.5000	12.7000	1	1.0000	25.4000

Electrical Symbols and Abbreviations

Electrical Symbols and Abbreviations

General Outlets	Panels, Circuits and Miscellaneous						
Ceiling Wall	Lighting panel						
Lighting Outlet	Power panel						
® -® Blanked outlet	Branch circuit; concealed in ceiling or wall						
D Deep cord	Branch circuit; concealed in floor						
€ -€ Electrical outlet: for use only when circle used alone	Branch circuit; exposed						
might be confused with columns, plumbing symbols, etc.	Home run to panel board. Indicated number of circuits						
⊕ Fan outlet	by number of arrows. Note: Any circuit without further designation indicates a two-wire circuit.						
① -① Junction box	For a greater number of wires indicate as follows: ## (3 wires)						
① -① Lamp holder	## (4 wires), etc.						
🗓 - 🗓 Lamp holder with pull switch	Feeders Note: I les heavy lines and designate by pumber of someone adding to listing						
⑤ -⑤ Pull switch	Note: Use heavy lines and designate by number of corresponding to listing in feeder schedule.						
	Underfloor duct and junction box. Triple system						
⊗ -⊗ Exit light outlet	Note: For double or single systems eliminate one or two lines. This symbol						
© -© Clock outlet (specify voltage)	is equally adaptable to auxiliary system layouts.						
	G Generator M Motor						
Convenience Outlets							
Duplex convenience outlet	① Instrument						
Convenience outlet other than duplex	Power transformer (or draw to scale) Controller						
1-single, 3-triplex, etc.	Controller						
Weatherproof convenience outlet	Isolating switch						
Range outlet	- Augiliana Custana						
Switch and convenience outlet	Auxiliary Systems						
Radio and convenience outlet	Push Button						
Special purpose outlet (Des. in Spec.)	Bell → Annunciator						
Floor outlet	Outside telephone						
0. 751. 0. 1151.	Interconnecting telephone						
Switch Outlets	Telephone switchboard						
S Single pole switch	Bell ringing transformer						
S ₂ Double pole switch	D Electric door opener						
S ₃ Three way switch	F Fire alarm station						
S ₄ Four way switch	City fire alarm station						
S _D Automatic door switch	FA Fire alarm central station						
S _E Electrolier switch	Automatic fire alarm device						
S _K Key operated switch	W Watchman's station						
S _p Switch and pilot lamp	W Watchman's central station						
S _{CB} Circuit breaker switch	H Horn						
S _{WCB} Weatherproof circuit breaker	N Nurse's signal plug M Maid's signal plug						
S _{MC} Momentary contact switch	R Radio outlet						
S _{RC} Remote control switch	Signal central section						
S _{WP} Weatherproof switch	Interconnection box Will Battery						
S _F Fused switch	Auxiliary system circuits.						
S _{WF} Weatherproof fused switch	Note: Any line without further designation indicates a 2-wire system. For a greater number of wires designate with numerals in manner similar to – - – 12-No. 18 W-3'4"C,						
Special Outlets	or designate by number corresponding to listing in						
Any standard symbol as given above with the addition of a lower case							

Any standard symbol as given above with the addition of a lower case subscript letter may be used to designate some special variation of standard equipment of particular interest in a specific set of architectural plans.

Q_{b,c,etc} When used they must be listed in the Key of Symbols on each drawing and if necessary further described in the specifications.

☐ Special auxiliary outlets

in specifications.

Subscript letters refer to notes on plans or detailed description

Diameter Ranges of Jacketed Cord and Wire Charts

Diameter Ranges of Jacketed Cord Chart - In Accordance with Standard UL62

Acceptable range in inches (mm) of the average overall diameter of round, jacketed heater cords and non-retractile vacuum cleaner and service cords.

Type of Cord	AWG Siz	e 2 Conductor	3 Conductor	4 Conductor	5 Conductor
SV, SVE, SVEO, SVOO	18	.22"26" (5.6-6.6)	.23"27" (5.8-6.9)	_	_
SVO, SVT, SVTOO, SVTO	16	.25"28" (6.2-7.1)	.26"30" (6.6-7.5)	_	_
SJ, SJE, SJOO, SJO, SJEO,	18	.28"32" (7.1-8.1)	.30"34" (7.6-8.6)	.33"37" (8.4-9.4)	_
SJEOOSJT, SJTO, SJTOO,	16	.31"34" (7.9-8.6)	.33"36" (8.4-9.1)	.35"40" (8.9-10.2)	_
SJEW, SJOOW, SJOW,	14	.34"38" (8.6-9.7)	.36"40" (9.1-10.2)	.39"44" (9.9-11.2)	_
SJEOW, SJEOOW, SJTW,	12	.41"46" (10.4-11.7)	.43"48" (10.9-12.2)	.47"52" (11.9-13.2)	_
SJTOW, SJTOOW	10	.54"61" (13.7-15.5)	.57"64" (14.5-16.3)	.63"70" (16.0-17.8)	_
S, SE, SOO, SEO, SEOO, ST	18	.34"39" (8.6-9.9)	.36"40" (9.1-10.2)	.39"43" (9.9-10.9)	.46"51" (11.7-13.0
STOO, STO, SEW, SOOW,	16	.37"41" (9.4-10.4)	.39"43" (9.9-10.9)	.41"46" (10.4-11.7)	.49"55" (12.4-14.0
SOW, SEOW, SEOOW, STW,	14	.50"55" (12.7-14.0)	.52"58" (13.2-14.7)	.56"62" (14.2-15.7)	.63"71" (16.0-18.0
STOOW, STOW	12	.57"63" (14.5-16.0)	.59"66" (15.0-16.8)	.64"71" (16.3-18.0)	.70"77" (17.8-19.6)
	10	.62"69" (15.7-17.5)	.65"72" (16.5-18.3)	.70"78" (17.8-19.8)	.76"84" (19.3-21.3)
	8	.78"88" (19.8-22.4)	.83"93" (21.1-23.6)	.93"-1.05" (23.6-26.7)	1.00"-1.15" (25.4-29.2)
	6	.92"-1.05" (23.4-26.7)	.97"-1.10" (24.6-27.9)	1.05"-1.20" (26.7-30.5)	1.18"-1.33" (30.0-33.8)
	4	1.06"-1.21" (26.9-30.7)	1.13"-1.28" (28.7-32.5)	1.25"-1.45" (31.8-36.8)	_ ` ` ′
	2	1.21"-1.40" (30.7-35.6)	1.30"-1.50" (33.0-38.1)	1.45"-1.65" (36.8-41.9)	_

Nominal Diameters of Round Portable Power Cable - In Accordance with Standard CSA-C22.2 No. 96

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
Type of Cord	AVVG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
W, G, G-GC, G-BGC, PPC	6	0.945" (24.0)	0.984" (25.0)	1.102" (28.0)	1.220" (31.0)
	4	1.063" (27.0)	1.142" (29.0)	1.260" (32.0)	1.417" (36.0)
	3	1.181" (30.0)	1.220" (31.0)	1.339" (34.0)	1.496" (38.0)
	2	1.260" (32.0)	1.339" (34.0)	1.496" (38.0)	1.614" (41.0)
	1	1.339" (34.0)	1.496" (38.0)	1.654" (42.0)	1.890" (48.0)
	1/0	1.417" (36.0)	1.614" (41.0)	1.772" (45.0)	1.929" (49.0)
	2/0	1.535" (39.0)	1.732" (44.0)	1.929" (49.0)	2.047" (52.0)
	3/0	1.654" (42.0)	1.890" (48.0)	2.047" (52.0)	2.244" (57.0)
	4/0	1.772" (45.0)	2.008" (51.0)	2.244" (57.0)	2.441" (62.0)

Wire Types Approximate Diameter in Inches (mm)*

Size (AWG or kcmil)	THHN, THWN, THWN-2 Inches (mm)	TW, THHW, THW, THW-2 Inches (mm)	XHHW, ZW, XHHW-2, XHH Inches (mm)				
12	0.130 (3.302)	0.152 (3.861) 0.152 (3.861)					
10	0.164 (4.166)	0.176 (4.470)	0.176 (4.470)				
8	0.216 (5.486)	0.236 (5.994)	0.236 (5.994)				
6	0.254 (6.452)	0.304 (7.722)	0.274 (6.960)				
4	0.324 (8.230)	0.352 (8.941)	0.322 (8.179)				
3	0.352 (8.941)	0.380 (9.652)	0.350 (8.890)				
2	0.384 (9.754)	0.412 (10.46)	0.382 (9.703)				
1	0.446 (11.23)	0.492 (12.50	0.442 (11.23)				
1/0	0.486 (12.34)	0.532 (13.51)	0.482 (12.34)				
2/0	0.532 (13.51)	0.578 (14.68)	0.528 (13.41)				
3/0	0.584 (14.83)	0.630 (16.00)	0.580 (14.73)				
4/0	0.642 (16.31)	0.688 (17.48)	0.638 (16.21)				
250	0.711 (18.06)	0.765 (19.43)	0.705 (17.91)				
300	0.766 (19.46)	0.820 (20.83)	0.760 (19.30)				
350	0.817 (20.75)	0.871 (22.12)	0.811 (26.60)				
400	0.864 (21.95)	0.918 (23.32)	0.858 (21.79)				
500	0.949 (24.10)	1.003 (25.48)	0.943 (23.95)				
600	1.051 (26.70)	1.113 (28.27)	1.053 (26.75)				
700	1.122 (28.50)	1.184 (30.07)	1.124 (25.55)				
750	1.156 (29.36)	1.218 (30.94)	1.158 (29.41)				
800	1.188 (30.18)	1.250 (31.75)	1.190 (30.23)				
900	1.252 (31.80)	1.314 (33.38)	1.254 (31.85)				
1000	1.310 (33.27)	1.372 (34.85)	1.312 (33.32)				

Note: *Information Sourced from the National Electrical Code.

IEC Pin and Sleeve Terminal Identification

IEC Pin and Sleeve Terminal Identification - Rear View

			Terminal Marking Pattern*					
		Rating	Rece	ptacle and Connector		Plug and Inlet		
Description	Domestic	International	Domestic	International	Domestic	International		
3 Wire	125V AC 277V AC	100-130V	White	Green	White	Green		
3 Wire	250V AC 480V AC 600V AC	200-250V 380-415V AC	Green		Green			
4 Wire	125/250V AC 1ØY 120/208V	_	White		White (L) (Green			
4 Wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC	★Pilot		*Pilot			
5 Wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz	White Pilot L Green		*Pilot W	hite		

Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.

★ Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.

Horsepower Ratings

Horsepower Ratings for Hubbell IEC Pin and Sleeve Devices*

Single Phase									
	Wire				New HP				
Amps	Count	Voltage	Clock	Catalog Number	Rating				
20	3	125V	4	HBL320x4W	1				
20	3	250V	6	HBL320x6W	2				
20	3	480V	7	HBL320x7W	5				
20	4	125/250 (208L-L)	12	HBL420x12W	2				
20	4	125/250 (250L-L)	12	HBL420x12W	2				
20	4	125/250 (125L-N)	12	HBL420x12W	1				
30	3	125V	4	HBL330x4W	2				
30	3	250V	6	HBL330x6W	3				
30	3	480V	7	HBL330x7W	7.5				
30	3	550VDC	8	HBL330X8	N/A				
30	4	125/250 (208L-L)	12	HBL430x12W	3				
30	4	125/250 (250L-L)	12	HBL430x12W	3				
30	4	125/250 (125L-N)	12	HBL430x12W	2				
60	3	125V	4	HBL360x4W	2				
60	3	250V	6	HBL360x6W	3				
60	3	480V	7	HBL360x7W	7.5				
60	3	250VDC	3	HBL360x3W	N/A				
60	3	550VDC	8	HBL360x8W	N/A				
60	4	125/250 (208L-L)	12	HBL460x12W	3				
60	4	125/250 (250L-L)	12	HBL460x12W	3				
60	4	125/250 (125L-N)	12	HBL460x12W	2				
100	3	125V	4	HBL3100x4W	5				
100	3	250V	6	HBL3100x6W	15				
100	3	480V	7	HBL3100x7W	30				
100	3	250VDC	3	HBL3100x3W	N/A				
100	3	550VDC	8	HBL3100x8W	N/A				
100	4	125/250 (208L-L)	12	HBL4100x12W	10				
100	4	125/250 (250L-L)	12	HBL4100x12W	15				
100	4	125/250 (125L-N)	12	HBL4100x12W	5				

3-Pha						
	Wire				Present HP	-
Amps	Count	Voltage	Clock	Catalog Number	Rating	Rating
20	4	3Ø 250V	9	HBL420x9W	2	5
20	4	3Ø 480V	7	HBL420x7W	5	10
20	4	3Ø 600V	5	HBL420x5W	7.5	10
20	4	3Ø 380-415V	6	HBL420x6W	-	7.5
20	5	3ØY 120/208V	9	HBL520x9W	0.5	3
20	5	3ØY 277/480V	7	HBL520x7W	5	10
20	5	3ØY 347/600V	5	HBL520x5W	7.5	10
20	5	3Ø 240/415V	6	HBL520x6W	-	5
30	4	3Ø 250V	9	HBL430x9W	3	7.5
30	4	3Ø 480V	7	HBL430x7W	7.5	15
30	4	3Ø 600V	5	HBL430x5W	10	20
30	5	3ØY 120/208V	9	HBL530x9W	2	5
30	5	3ØY 277/480V	7	HBL530x7W	7.5	15
30	5	3ØY 347/600V	5	HBL530x5W	10	20
30	4	3Ø 380/415V	6	HBL430x6W	-	10
30	5	3Ø 200/346-240/415	6	HBL530x6W	-	10
60	4	3Ø 250V	9	HBL460x9W	5	7.5
60	4	3Ø 480V	7	HBL460x7W	10	20
60	4	3Ø 600V	5	HBL460x5W	15	25
60	4	3Ø 380-415VAC	6	HBL460x6W	-	10
60	5	3ØY 120/208V	9	HBL560x9W	3	7.5
60	5	3ØY 277/480V	7	HBL560x7W	10	20
60	5	3ØY 347/600V	5	HBL560x5W	15	25
60	5	3Ø 200/346-240/415	6	HBL560x6W	-	10
100	4	3Ø 250V	9	HBL4100x9W	10	15
100	4	3Ø 480V	7	HBL4100x7W	30	40
100	4	3Ø 600V	5	HBL4100x5W	30	50
100	4	3Ø 380-415V	6	HBL4100x6W	-	30
100	5	3ØY 200/346-240/415V	6	HBL5100x6W	-	30
100	5	400VDC	8	HBL5100x8W		N/A
100	5	3ØY 120/208V	9	HBL5100x9W	10	15
100	5	3ØY 277/480V	7	HBL5100x7W	30	40
100	5	3ØY 347/600V	5	HBL5100x5W	30	50

Note: *Horsepower Ratings are NOT standardized amongst different Pin and Sleeve manufacturers.

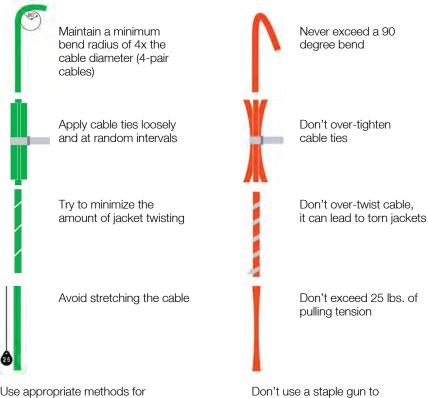
Network Cabling Requirements

Supported Media - International

Designation	ANSI/TIA-568-C	ISO/IEC 11801 Amend 2: 2010	CENELEC EN-50173-1: 2002
Category 3 (16 MHz)	Supported	Supported: Class C	Supported: Class C
Category 5e (100 MHz)	Supported	Supported: Class D	Supported: Class D
Category 6 (250 MHz)	Supported	Supported: Class E	Supported: Class E
Category 6A (500 MHz)	Supported	Supported: Class EA	Supported: Class EA
Category 7 (600 MHz)	Not Recognized	Supported: Class F	Supported: Class F
Category 7A (1,000 MHz)	Not Recognized	Supported: Class Fa*	Supported: Class Fa*
Category 8 (2,000 MHz)	Not Recognized	Supported: Class Fa*	Supported: Class Fa*
50/125 - 62.5/125 Multimode	Supported	Supported	Supported
Singlemode Fiber	Supported	Supported	Supported
Singlemode Fiber to the Work Area	Not Supported	Supported	Supported
Work Area Outlet Configuration	4 Pairs T568A or B	4 Pairs T568A Only	4 Pairs T568A Only
Stranded Patch Cord Attenuation	120% of Horiz. Cable	150% of Horiz. Cable	150% of Horiz. Cable

Note: *Category 8 proposed in TIA 568-C.2-1 for 40 GBASE-T. ISO/IEC and cenelec to be determined. ISO/IEC and cenelec considering expanding Class FA frequency in addition to a considering new Class.

- Strip back only as much cable jacket as is required for termination and maintain pair twists as close as possible to the point of mechanical termination
- At a minimum, never allow untwisting of pairs as specified: Category 5e and 6/6A: 0.5 inch max.



Use appropriate methods for dressing and securing cables:

- Cable ties
- Cable support bar
- Wire management panels
- Releasable straps

position cable

NEMA Straight Blade Devices

			15 Am	pere	20	0 Amp	ere	30 Ar	npere	50 Ar	npere	60 Ar	npere
	Rating		Receptacle / Conn. Body	Plug / Inlet	Receptado		Plug / Inlet	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
2 Pole / 2 Wire	125V	1	A-37	A-37 (w I)									
2 Pole	250V	2			\	[] —) 2-20R	A-37						
Grounding	125V	5	A-8 A-35 to A-40 A-10 A-46 A-12 C-6 to AA-35 A-28 A-32 Doo B-15R	A-32 A-33 A-35 A-40 C-6 AA-35	to A-A-10 A-A-12 C-A-28 A-32 A-34	-40 -46 -6 A-37	A-32 A-33 A-35 A-40 C-6 AA-37	A-41	A-41	A-43	A-43		
2 Pole / 3 Wire Grounding	250V	6	A-9 A-11 A-23 A-32 A-36 C-6 6-15R	A-32 A-36 C-6	A-30		A-32 A-36 C-6	A-41	A-41 —— 6-30P	A-43	A-43		
	277V AC	7	A-37	A-37				A-41 (S) (S) (W) 7-30R	A-41 W 7-30P	A-43 DG W 7-50R	A-43 W 7-50P		
3 Pole / 3 Wire	125/250V AC	10				W W W W W W W W W W	A-38	A-41	A-41 x y 10-30P	A-43	A-43		
3 Pole	3Ø 250V AC	11	Z Y Y	(x - y / z) 11-15P	zη	1-20R	11-20P	X	x /z /z /z 11-30P	x	11-50P		
4 Wire Grounding	125/250V AC	14				√	A-38 X	A-42 (Y[] [] X 14-30R	A-42 X Y T _W 14-30P	A-44 (Y[] [] X 14-50R	A-44 X	A-45 (Y [] X W 14-60R	A-45 X
3 Pole / 4 Win	3Ø 250V AC	15				DG X Y Y Y 15-20R	A-38	A-42	A-42 V Z Z	A-44 DG DG DG DG DG DG DG D	A-44 	A-45	A-45 X Z Z
4P / 4W	3ØY 120/208V AC	18			A-38 (z[A-38	A-42 Z	A-42 X Z Z	A-44	A-44 W Z Z Z Z Z Z Z Z Z	A-45	A-45

HOW TO USE THIS CHART:

For quick reference, this chart shows the configuration, primary catalog section and page number where the devices are shown.

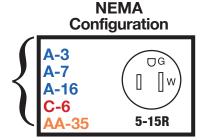


Open Slots indicates Receptacle / Connector Body configurations (female).



Closed Slots indicates Plug / Inlet configurations (male).

Catalog Section and Page Number



IMPORTANT NOTICE:

The catalog pages referenced in **BLUE** are Insulgrip[®], Valise[®], Safety-Shroud[®] and Watertight Safety-Shroud[®] devices, in **RED** are Watertight devices, and in **ORANGE** are Marine corrosion resistant devices

	Rating	1.		20 Ampere				30 Ampere						
	Color Coded		Receptacle / Plug / Inlet			Recentacle /			Receptacle / Plug / Inlet					
	by Voltage		Conn. Bo	ody		/ Inlet		. Body	Plug	j / Inlet		n. Body	Plug	/ Inlet
2 Pole / 2 Wire	125V	L1		15R	B-11	L1-15P								
2 Pole /	250V	L2					B-19	L2-20R	B-19	L2-20P				
	125V	L5	AA-34	J.)	B-12 C-7 AA-34	(**) L5-15P	B-21 C-7 AA-36	L5-20R	B-20 C-7 AA-36	1°S	B-29 C-8	(S) (S) (S) (S) (S) (S) (S) (S) (S) (S)	B-28 C-8	1° L5-30P
unding	250V	L6	_		B-12 C-7	() L6-15P	B-21 C-7	(C) (C) (C) (C) (C) (C) (C) (C) (C) (C)	B-20 C-7	1°S	B-29 C-8	(C) (C) (C) (C) (C) (C) (C) (C) (C) (C)	B-28 C-8	(1 s) L6-30P
Pole / 3 Wire Grounding	277V AC	L7	B-13 C-7		B-12 C-7	() 1° L7-15P	B-21 C-7	€ C C C C C C C C C C C C C C C C C C C	B-20 C-7	() L7-20P	B-29 C-8	(G) (G) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D	B-28 C-8	J _G
2 Pole	480V AC	L8					B-24	L8-20R	B-24	S S S S S S S S S S	B-37	(%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	B-37	() () () () () () () () () ()
	600V AC	L9					B-24	L9-20R	B-24	L9-20P	B-37	L9-30R	B-37	() L9-30P
3P / 3W	125/250V AC	L10					B-24	L10-20R	B-24	L10-20P	B-31	() () () () () () () () () () () () () (B-30	L10-30P
g	125/250V AC	L14					B-23 C-8	(G) (D) (N) L14-20R	B-22 C-8	₩ j ĵs L14-20P	B-31 C-9	L14-30R	B-30 C-9	X 1 3 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Pole / 4 Wire Grounding	3Ø 250V AC	L15					B-23 C-8	() () () () () () () () () () () () () (B-22 C-8	x (B-31 C-9	()) V () L15-30R	B-30 C-9	(1) (1) (1) (1) (1) (1) (1) (1)
3 Pole / 4 Wi	3Ø 480V AC	L16					B-23 C-8	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	B-22 C-8	x	B-33 C-9	()) L16-30R	B-32 C-9	X (1)s L16-30P
.,	3Ø 600V AC	L17									B-33 C-9	() () () () () () () () () () () () () (B-32 C-9	(J) L17-30P
re	3ØY 120/208V AC	L18					B-25	L18-20R	B-25	L18-20P	B-36 C-9	(V) () () () () () () () () () () () () ()	B-36 C-9	() () () () () () () () () ()
4 Pole / 4 Wire	3ØY 277/480V AC	L19					B-25	() () () () () () () () () () () () () (B-25	L19-20P	B-36	() () () () () () () () () ()	B-36	()) w) L19-30P
	3ØY 347/600V AC	L20					B-25	(V) (1) (V) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	B-25	X L20-20P	B-36	() () () () () () () () () ()	B-36	L20-30P
ounding	3ØY 120/208V AC	L21					B-27	(V) (O) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D	B-26	() () () () () () () () () ()	B-35	() () () () () () () () () ()	B-34	L21-30P
/ 5 Wire Grounding	3ØY 277/480V AC	L22					B-27	() () () () () () () () () ()	B-26	L22-20P	B-35	(B-34	(.) w L22-30P
4 Pole	3ØY 347/600V AC	L23					B-27	(V) (O ₃ () V) L23-20R	B-26	() () () () () () () () () ()	B-35	(0) (1) L23-30R	B-34	(.)) w L23-30P
2P/3W	347V AC	L24					B-24	(%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	B-24	L24-20P				
ZP,	240V AC	L25									B-37	L25-30R	B-37	L25-30P
4P/5W	3ØY 240/415V AC	L26									B-35	L26-30R	B-34	2/ s Jx L26-30P

MI	DGET TWIST	-LOCK® DEV	ICES		
	Rating	Receptacle	Plug		
2P / 2W	15A 125V	B-7 W S S ML-1R	B-6 W ML-1P		
2P / 3W Gr	15A 125V	B-7 GR O O D ML-2R	B-6 W GR !		
3P / 3W	15A 125/250V AC	B-7	B-6 (W •) ML-3P		

50A TWIST-LOCK® DEVICES								
Rating		Receptacle	Plug					
2 Pole / 3 Wire Grounding	50A 125V Corrosion Resistant ANSI C73-110 / NEMA SS1-50 Marine Products	AA-14 AA-15	AA-14 AA-15					
	50A 125V	B-56	B-56 (**)					
	50A 250V	B-56	B-56					
	50A 480V AC	B-56	B-56 (, , ,)					
3 Pole / 4 Wire Grounding	50A 125/250V Corrosion Resistant ANSI C73-111 / NEMA SS2-50 Marine Products	AA-16 AA-17	AA-16 AA-17					
	50A 125/250V AC	B-57	B-57					
	50A 3Ø 250V AC	B-57	B-57					
	50A 3Ø 480V AC	B-57	B-57					

NON-NEMA TWIST-LOCK® DEVICES								
Rating		Receptacle		Plug				
/3 Wire	20A 125/250V	B-45 C-8	N N N N N N N N N N N N N N N N N N N	B-44 C-8				
3 Pole	30A 125/250V	B-48 C-9		B-47 C-9	(,)			
4 Wire	20A 3ØY 120/208V AC	B-45		B-44				
4 Pole	30A 3ØY 120/208V AC	B-48 C-9		B-47 C-9	(X			
4P/5W Gr	20A 250V 10A 600V AC	B-46		B-46	(V() () () () () () () () () () () () () (

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00322003LPK50 W-86, W-74	02201038		02203008		02211006	
00322004LPK50 W-86, W-74	02201039		02203009		02211007	
00322005LPK50 W-86, W-74	02201041		02203010		02211009	
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01304054	02201053		02203022		02211026	
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01304064 W-15	02201055		02203024		02211034	
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014021185	02202010		02203064		02211106	
014021186	02202011		02203065		02211107	
014021208	02202012		02203066		02212003	
014021216	02202013		02203068		02212007	
014021223	02202014		02203070		02212010	
014021230	02202017		02203070		02212012	
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02216019		02401014		02403039		02601006	
02216020		02401015		02403041		03301001	
02216021		02401017		02403042		03301002	
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02216027		02401023		02403066		03301017	
02216028		02401037		02403068		03301018	
02216029		02401038		02403069		03301019	
02216030		02401039		02403070		03301020	
02217001		02401041		02406001		03301021	
02217002		02401042		02406002		03301024	
02217003		02401043		02406003		03301026	
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02217007		02401052		02406007		03301029	
02217008		02401053		02406010		03301030	
02217009		02401054		02406011		03301031	
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02217015		02402007		02407004		03302018	
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02217022		02402018		02407011		03302044	
02217023		02402019		02407012		03302048	
02217024		02402020		02407013		03302050	
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022291001		02402045		02416008		033021078	
022291002		02402046		02416009		033021079	
022291003		02402047		02416010		033021080	
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022291005		02403002		02416013		03303001	
022291006		02403003		02416014		03303002	
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022291019		02403007		02417002		03303006	
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GFRIW82 L14, K-7 GFRST15GYB K4, Z-8 GFTRST83NL K4, L-13 GFTWRST82WU L14, K-7 GFRTW82GRY, L14, K-7 GFRTST15GYNL K4, Z-8 GFTRST83RB, K4, L-13 GFTWRST82WU L14, K-7 GFRTW82GRY, L14, K-7 GFRST15I3. K4 Z-8 GFTRST83RNL K4, L-13 GFTWRST83BKIG, L14, K-7 GFRTW82L L14, K-7 GFTRST15I3. K4 Z-8 GFTRST83RNL K4, L-13 GFTWRST83BKIG, L14, K-7 GFRTW82L L14, K-7 GFTRST15I3. K4 Z-8 GFTRST83WB K4, L-13 GFTWRST83BKIG, L14, K-7 GFRTW82L L14, K-7 GFTRST15I3. K4 Z-8 GFTWRST15. Z-8 GFTWRST83GYQ L14, K-7 GFRTW82W L14, K-7 GFTRST15LA, Z-8 GFTWRST15. Z-8 GFTWRST83GYQ L14, K-7 GFRTW82W L14, K-7 GFTRST15LA, Z-8 GFTWRST15A, Z-8 GFTWRST83GYQ L14, K-7 GFRTW83 L14, K-7 GFTRST15LA, K4 Z-8 GFTWRST15LA, Z-8 GFTWRST83GIG, L14, K-7 GFRTW83 L14, K-7 GFTRST15LA, K4 Z-8 GFTWRST15AL, Z-8 GFTWRST83GIG, L14, K-7 GFRTW83GRY, L14, K-7 GFTRST15LA, K4 Z-8 GFTWRST15BK, Z-8 GFTWRST83LA, L14, K-7 GFRTW83LA, L14, K-7 GFTRST15LAN, K4 Z-8 GFTWRST15BK, Z-8 GFTWRST83LA, L14, K-7 GFTRST15LAN, K4 Z-8 GFTWRST15BK, X-7 GFTWRST83LA, L14, K-7 GFTRST15AN, K4 Z-8 GFTWRST15BK, X-7 GFTWRST83LA, L14, K-7 GFTRST15AB, K4 Z-8 GFTWRST15BK, X-7 GFTWRST83LA, L14, K-7 GFTRST15AB, K4 Z-8 GFTWRST15GYY, Z-8 GFTWRST83LA, L14, K-7 GFTRST15AB, K4 Z-8 GFTWRST15GYY, Z-8 GFTWRST83LA, L14, K-7 GFTRST15AB, K4 Z-8 GFTWRST15GYY, Z-8 GFTWRST83DA, L14, K-7 GFTWRST15BK, X-8 GFTWRST15GYY, Z-8 GFTWRST83DA, L14, K-7 GFTWRST15GYY, X-8 GFTWRST15GYY, Z-8 GFTWRST83DA, L14, K-7 GFTWRST15GY, X-8 GFTWRST15GYY, Z-8 GFTWRST83DA, L14, K-7 GFTWRST15GYY, X-8 GFTWRST15GY, X-8 GFTWRST3DGY, L-14, K-7 GFTWRST15GY, X-8 GFTWRST15GY, X-8 GFTWRST3DGY, L-14, K-7 GFTWRST15GY, X-8 GFTWRST15GY, X-8 GFTWRST3DA, L-14, K-7 GFTWRST15GY, X-8 GFTWRST15GY, X-8 GFTWRST3DGY, L-14, K-7 GFTWRST15GY, X-8 GFTWRST3DGY,	GFRTW20R	.K-7	GFTRST15BKNL	K-4, Z-8			GFTWRST82RU	L-14, K-7
GFRTW82BLK								
GFRTW82GFY								
GFRTW821	GFRTW82GRYL-14	, K-7		,				
GFTRW82R L.14, K-7 GFTRST15INL K.4, Z-8 GFTWRST15 L.2-8 GFTWRST3GYU L.14, K-7 GFTRW2W L.14, K-7 GFTRST15LA . Z-8 GFTWRST15AL . Z-8 GFTWRST3GIG L.14, K-7 GFTRW33L L.14, K-7 GFTRST15LA3 . K-4 GFTWRST15ALG . Z-8 GFTWRST3BIIG L.14, K-7 GFTRW33ELK . L.14, K-7 GFTRST15LAB . K-4, Z-8 GFTWRST15BK . Z-8 GFTWRST3BIIG . L.14, K-7 GFTRW36GFT . L.14, K-7 GFTRST15LAB . K-4, Z-8 GFTWRST15BK . Z-8, K-7 GFTWRST3BILG . L.14, K-7 GFTRW31B . L.14, K-7 GFTRST15LAB . K-4, Z-8 GFTWRST15BK . Z-8, K-7 GFTWRST3BILG . L.14, K-7 GFTRW31B . L.14, K-7 GFTRST15LAB . K-4, Z-8 GFTWRST15BK . K-7 GFTWRST3BILG . L.14, K-7 GFTRW31B . L.14, K-7 GFTRST15R . Z-8 GFTWRST15BK . K-7 GFTWRST3BILG . L.14, K-7 GFTRW38R . L.14, K-7 GFTRST15RB . K-4, Z-8 GFTWRST15GY . Z-8, K-7 GFTWRST3BILG . L.14, K-7 GFTRW38R . L.14, K-7 GFTRST15RB . K-4, Z-8 GFTWRST15GY . Z-8, K-7 GFTWRST3BILG . L.14, K-7 GFTWRST15 GW . Z-8 GFTWRST15GY . Z-8, K-7 GFTWRST3BILG . L.14, K-7 GFTWRST15 GW . Z-8 GFTWRST15 GW . Z-8, K-7 GFTWRST3BILG . L.14, K-7 GFTWRTST15 W . Z-8 GFTWRST15 GW . Z-8, K-7 GFTWRST3BILG . L.14, K-7 GFTWRTST15 W . Z-8 GFTWRST15 GW . Z-8, K-7 GFTWRST3BILG . L.14, K-7 GFTWRTST15 W . K-8 GFTRST15 W . K-4 GFTWRST15 GW . Z-8, K-7 GFTWRST3BILG . L-14, K-7 GFTWRTST15 W . K-8 GFTRST15 W . K-4 Z-8 GFTWRST15 GW . Z-8, K-7 GFTWRST3BILG . L-14, K-7 GFTWRTST3 W . K-4 GFTWRST15 GW . Z-8, K-7 GFTWRST3BILG . L-14, K-7 GFTWRTST3 W . K-4 GFTWRST3 W . L-14, K-7 GFTWRST3 W . L-14, K-7 GFTWRST3 W . K-8 GFTRST2 W . L-14, K-7 GFTWRST15 GW . Z-8, K-7 GFTWRST3 W . L-14, K-7	GFRTW82I L-14,	, K-7						
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GFTIW83. L-14, K-7 GFTRST15LA3. K-4 GFTWRST15A1G Z-8 GFTWRST83IIG L-14, K-7 GFTRW83BLK L-14, K-7 GFTRST15LANL K-4, Z-8 GFTWRST15BKI Z-8, K-7 GFTWRST83IU L-14, K-7 GFTRW83I L-14, K-7 GFTRST15LANL K-4, Z-8 GFTWRST15BKI Z-8, K-7 GFTWRST83LAI L-14, K-7 GFTRW83I L-14, K-7 GFTRST15LANL K-4, Z-8 GFTWRST15BKU K-7 GFTWRST83LAI L-14, K-7 GFTRST15BL K-4, Z-8 GFTWRST15BKU K-7 GFTWRST83LAI L-14, K-7 GFTRST15BL K-4, Z-8 GFTWRST15BKU K-7 GFTWRST83LAI L-14, K-7 GFTRW83R L-14, K-7 GFTRST15RB K-4, Z-8 GFTWRST15GYI Z-8 GFTWRST83ORIG L-14, K-7 GFTWRSW9. L-14, K-7 GFTRST15BW Z-8 GFTWRST15GYU K-7 GFTWRST83RIG L-14, K-7 GFTWRSW9. L-14, K-7 GFTRST15W Z-8 GFTWRST15GYU K-7 GFTWRST83RIG L-14, K-7 GFTWRSW9. L-14, K-7 GFTRST15W Z-8 GFTWRST15I Z-8 GFTWRST83W L-14, K-7 GFTWRSW9. K-8 GFTRST15W Z-8 GFTWRST15I Z-8 GFTWRST83W L-14, K-7 GFTWRSW9. K-8 GFTRST15W K-4, Z-8 GFTWRST15I Z-8 GFTWRST83W L-14, K-7 GFTWRSW9. K-8 GFTRST15W K-4, Z-8 GFTWRST15I Z-8, K-7 GFTWRST83W L-14, K-7 GFTWRSW9. K-8 GFTRST15WB K-4, Z-8 GFTWRST15I Z-8, K-7 GFTWRST83W L-14, K-7 GFTWRSW9. K-8 GFTRST15WB K-4, Z-8 GFTWRST15I Z-8, K-7 GFTWRST83W L-14, K-7 GFTWRSW9. K-8 GFTRST20AL Z-8 GFTWRST15LA Z-8 H0381 W-90 GFTWRD. K-8 GFTRST20AL Z-8 GFTWRST15LA Z-8 H0381 W-90 GFTWRD. K-8 GFTRST20AL Z-8 GFTWRST15LAU K-7 H0384 W-90 GFTWRD. K-8 GFTRST20ALB Z-8 GFTWRST15LAU K-7 H0384 W-90 GFTWRD. K-8 GFTRST20ALB X-8 GFTWRST15LAU K-7 H03891 W-90 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST15RIU K-7 H03891 W-90 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST15RIU K-7 H0380NK W-59, W-67 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST15RU K-7 H0590 W-90 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST15RU K-7 H0590 W-90 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST15RU K-7 H0590 W-90 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST15RU K-7 H0590 W-90 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST15RU K-7 H0590 W-90 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST15RU K-7 H0590 W-90 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST15RU K-7 H0590 W-90 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST15RU K-7 H0590 W-90 GFTWRD. K-8 GFTRST20BK K-4, Z-8 GFTWRST20BK Z-8 H0590PK W-59,	GFRTW82W I -14	, r\- <i>1</i> K-7		,				
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GFRTW83R	GFRTW83LA L-14,	, K-7 , K-7						
GFTWR15. K8 GFTRST15W Z8 GFTWRST15I Z8 GFTWRST83U L14, K-7 GFTWR15BK K8 GFTRST15W3 K4 GFTWRST15IG Z8, K-7 GFTWRST83WIG L14, K-7 GFTWRST5GRY K8 GFTRST15WB K4, Z-8 GFTWRST15IIG Z8, K-7 GFTWRST83WU L14, K-7 GFTWRST5I K8 GFTRST15WNL K4, Z-8 GFTWRST15IIU K7 H038 W90 GFTWRST5I K8 GFTRST20 Z8 GFTWRST15IU K7 H038 W90 GFTWRST5R K8 GFTRST20AL Z8 GFTWRST5ISAIG Z8, K-7 H038 W90 GFTWRST5R K8 GFTRST20AL Z8 GFTWRST5ISAIG Z8, K-7 H0384 W90 GFTWRD20 K8 GFTRST20AL Z8 GFTWRST15LAU K7 H0384 W90 GFTWR20 K8 GFTRST20AL Z8 GFTWRST15LAU K7 H0384 W90 GFTWR20BLK K8 GFTRST20AL Z8 GFTWRST15CAIG K7 H0389 W90 GFTWR20BLK K8 GFTRST20BK K2 GFTWRST15CAIG K7 H0389 W90 GFTWR20BLK K8 GFTRST20BK K2 GFTWRST15CAIG K7 H0389 W90 GFTWR20GRY K8 GFTRST20BK K2 GFTWRST15RI Z8 H0389 W90 GFTWR20L K8 GFTRST20BK K4, Z-8 GFTWRST15RI X7 H0389CNK W59, W-67 GFTWR20L K8 GFTRST20BK K4, Z-8 GFTWRST15CAIG X-8, K-7 H0389CNK W59, W-67 GFTWR20L K8 GFTRST20BK K4, Z-8 GFTWRST15CAIG X-8, K-7 H0380CNK W59, W-67 GFTWR20R K8 GFTRST20GY Z8 GFTWRST15CAIG X-8, K-7 H050- W90 GFTWR20W K8 GFTRST20GY X8 GFTWRST15CAIG X-8, K-7 H050- W90 GFTWR20W K8 GFTRST20GYB K4, Z-8 GFTWRST15WI K7 H050- W90 GFSG5262 K3 GFTRST20GYB K4, Z-8 GFTWRST15WI Z8 H050-4 W90 GFSG5262CAIK K3 GFTRST20I K4, Z-8 GFTWRST15WI Z8 H050-4 W90 GFSG5262CAIK K3 GFTRST20I K4, Z-8 GFTWRST15WI Z8 H050-4 W90 GFSG5262CAIK K3 GFTRST20I K4, Z-8 GFTWRST20AL Z8 H050-1 W90 GFSG5262CAIK K3 GFTRST20I K4, Z-8 GFTWRST20AL Z8 H050-1 W90 GFSG5262CAIK K3 GFTRST20I K4, Z-8 GFTWRST20AL Z8 H050-1 W90 GFSG5262CAIK K3 GFTRST20I K4, Z-8 GFTWRST20AL Z8 H050-1 W90 GFSG5262CAIK K3 GFTRST20I K4, Z-8 GFTWRST20AL Z8 H050-1 W90 GFSG5262CAIK K3 GFTRST20I K4, Z-8 GFTWRST20AL Z8 H050-1 W90 GFSG5262CAIK K3 GFTRST20AL K4 GFTWRST20AL Z8 H050-1 W90 GFSG5262CAIK K3 GFTRST20AL K4 Z-8 GFTWRST20BK Z8 H075- W90 GFSG5262CAIK K3 GFTRST20	GFRTW83R L-14,	, K-7	GFTRST15RB	K-4, Z-8	GFTWRST15GYIG	Z-8, K-7	GFTWRST83RIG	L-14, K-7
GFTWR15BLK								
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