Detailed Specifications & Technical Data

BELDENCable

88760 Paired - Audio, Control, and Instrumentation Cable

For more information please call

1-800-Belden1

See Put-ups and Colors

Description:

18 AWG stranded (19x30) tinned copper conductors, twisted pair, FEP insulation, overall 100% Beldfoil® shield, 20 AWG stranded tinned copper drain wire, FEP jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	18
Stranding	19x30
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FEP - Fluorinated Ethylene Propylene
Nom. Insulation Wall Thickness	.007 in.
Lay Length	2.0 in.
Twists/ft.	6

Pair Color Code Chart :

Number	Color
1	Black & Red

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil® (Z-Fold®)
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield %Coverage	100 %

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	Stranded
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	FEP - Fluorinated Ethylene Propylene

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Outer Jacket Nominal Wall Thickness	.014 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.150 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight	23.5 lbs/1000 ft.
Max. Recommended Pulling Tension	64 lbs.
Min. Bend Radius (Install)	1.6 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP

FLAME TEST:

UL Flame Test	UL910 Steiner Tunnel
C(UL) Flame Test	FT6

SUITABILITY:

Oil Resistance	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Non-Plenum Number	8760

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	29 Ohms
Nom. Inductance	.15 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	51 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	97 pF/ft
Nominal Velocity of Propagation	69 %
Nominal Delay	1.47 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	5.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	7.3 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	5.4 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
88760 002100	2#18 FEP SH FEP	100	3.7	RED	

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88760 0021000	2#18 FEP SH FEP	1000	24	RED	C Z
88760 002500	2#18 FEP SH FEP	500	12.5	RED	C Z
88760 002U1000	2 #18 FEP SH FEP	U1000	24	RED	O
88760 002U500	2 #18 FEP SH FEP	U500	12.5	RED	O

C = CRATE REEL PUT-UP.

O = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR UNREEL CARTONS FROM LENG TH SHOWN.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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