

3087A Multi-Conductor - DeviceBus® for Honeywell Smart Distributed System



For more Information
please call

1-800-Belden1



Description

22 AWG stranded tinned copper conductors, PVC insulation (power), FPE insulation (data), each pair individually Beldfoil® shielded (100% coverage), PVC jacket

Physical Characteristics (Overall):

Conductor:

AWG

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
2.000	22	19x34	TC - Tinned Copper	0.762

Insulation:

Insulation Material

Layer #	Insulation Trade Name	Insulation Material	Wall Thickness (mm)	Dia. (mm)	AWG
		PVC - Polyvinyl Chloride			22 AWG (Power Pair)
		FPE - Foam Polyethylene			22 AWG (Data Pair)

Insulation Resistance 10000 Mega-Ohm

Inner Shield:

Inner Shield Material

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

Outer Shield:

Outer Shield Material

Outer Shield Material
Unshielded

Outer Shield Drain Wire AWG

AWG	Stranding	Drain Wire Conductor Material
22	19x34	TC - Tinned Copper

Outer Jacket:

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling:

Overall Nominal Diameter: 7.366 x 0.000 mm

Pair:

Pair Color Code Chart

Number	Color
1 (Power Pair)	Brown & Blue
2 (Data Pair)	Black & White

Pair Lay Length & Direction

Lay Length (mm)
50.800

Mechanical Characteristics (Overall):

Operating Temperature Range -30°C To +80°C

Storage Temperature Range -40°C To +80°C

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UL Temperature Rating	80°C (UL AWM Style 2464)
Bulk Cable Weight:	49.111 Kg/Km
Max. Recommended Pulling Tension:	211.290 N
Min. Bend Radius (Install)/Minor Axis:	73.660 mm

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

NEC/(UL) Specification	CL2
AWM Specification	UL Style 2464 (30 V 80°C) (I/II A)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	10/01/2005

Flame Test:

UL Flame Test	UL1685 UL Loading
CSA Flame Test	FT1

Plenum/Non-Plenum:

Plenum (Y/N)	No
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Electrical Characteristics (Overall):

Unaveraged Impedance

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
Data				120.000

Nom. Capacitance Conductor to Conductor

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Capacitance (pF/m)
Data	1.000			39.372

Nominal Velocity of Propagation

Description	VP (%)
Data	76

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/km)
57.418

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/km)
25.920

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100m)
Data	0.125			0.755
	0.500			1.378
	1.000			1.969

Max. Operating Voltage - UL

Voltage
300 V RMS

Max. Recommended Current

Current
3 Amps per conductor @ 25°C

Notes (Overall):

Notes Micro Cable (Drop)

PUT UPS AND COLORS:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
3087A U3R1000	305 MT	18.597 KG	GRAY U3R	C	#22 FS PR, #22 FS PR PVC GRYU3R
3087A U3R2000	610 MT	38.102 KG	GRAY U3R	C	#22 FS PR, #22 FS PR PVC GRYU3R
3087A U3R500	152 MT	8.618 KG	GRAY U3R	C	#22 FS PR, #22 FS PR PVC GRYU3R

Notes:

C = CRATE REEL PUT-UP.

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