

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. (in.)
2.000	22	19x34	TC - Tinned Copper	0.030

Insulation:

Insulation Material

Layer #	Ins Trade Name	Ins Material	Wall Thickness (in.)	Dia. (in.)	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: .290 in.

Pair:

Pair Color Code Chart

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

Pair Lay Length & Direction

Lay Length (in.)
2.000

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:	33 lbs/1000 ft.
Max. Recommended Pulling Tension:	47.500 lbs.
Min. Bend Radius (Install):	2.900 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

NEC/(UL) Specification	CL2
CEC/C(UL) Specification	FT1
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)	N
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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/ft)
Data	1.000			12.000

Nominal Velocity of Propagation

Description	VP (%)
Data	76

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
17.500

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
Data	0.125			0.230
	0.500			0.420
	1.000			0.600

Max. Operating Voltage - UL

Voltage
300 V RMS

Max. Recommended Current

Current
3 Amps per conductor @ 25°C

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
7.900

Notes (Overall):

Notes Micro Cable (Drop)

PUT UPS AND COLORS:

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Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
3087A U3R1000	1,000 FT	41.000 LB	GRAY U3R	C	#22 FS PR, #22 FS PR PVC GRYU3R
3087A U3R2000	2,000 FT	84.000 LB	GRAY U3R	C	#22 FS PR, #22 FS PR PVC GRYU3R
3087A U3R500	500 FT	19.000 LB	GRAY U3R	C	#22 FS PR, #22 FS PR PVC GRYU3R

Notes:

C = CRATE REEL PUT-UP.

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