Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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	_	Conductor Material	, ,
2	22	19x34	TC - Tinned Copper	.030

Insulation

Insulation Material:

Insulation Material	AWG	
PVC - Polyvinyl Chloride	22 AWG (Power Pair)	
FPE - Foam Polyethylene	22 AWG (Data Pair)	

Insulation Resistance:

10000 Mega-Ohm

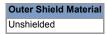
Inner Shield

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 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: 0.290 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)

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

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Operating Temperature Range:	-30°C To +80°C
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)/Minor Axis:	2.900 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

/ 80°C) (I/II A)
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UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT1

Plenum/Non-Plenum

Plenum ((Y/N):	N	0
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Electrical Characteristics (Overall)

Unaveraged Impedance:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
Data				120

Nom. Capacitance Conductor to Conductor:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Capacitance (pF/ft)
Data	1			12.0

Nominal Velocity of Propagation:

Description	VP (%)
Data	76

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
17.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000	ft)
7.9	

Nom. Attenuation:

Description	Freq. (MHz)	Attenuation (dB/100 ft.)
Data	.125	.23
	.500	.42
	1.0	.60

Max. Operating Voltage - UL:

Voltage						
300 V RMS						

Max. Recommended Current:

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Current 3 Amps per conductor @ 25°C

Notes (Overall)

Notes: Micro Cable (Drop)

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3087A U3R1000	1,000 FT	41.000 LB	GRAY U3R	С	#22 FS PR, #22 FS PR PVC
3087A U3R2000	2,000 FT	84.000 LB	GRAY U3R	С	#22 FS PR, #22 FS PR PVC
3087A U3R500	500 FT	18.500 LB	GRAY U3R	С	#22 FS PR, #22 FS PR PVC

Notes:

C = CRATE REEL PUT-UP.

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