

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



For more Information
please call

1-800-Belden1



General 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	22	19x34	TC - Tinned Copper	0.762

Total Number of Conductors: 4

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 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 Cable

Overall Nominal Diameter: 7.366 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)
50.8

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-30°C To +80°C
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/Minor Axis:	73.660 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2
AWM Specification:	UL Style 2464 (30 V 80°C) (I/II A)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

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

Nom. Capacitance Conductor to Conductor:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Capacitance (pF/m)
Data	1			39.372

Nominal Velocity of Propagation:

Description	VP (%)
Data	76

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
57.4175

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
25.9199

Nom. Attenuation:

Description	Freq. (MHz)	Attenuation (dB/100m)
Data	.125	0.75463
	.500	1.37802
	1.0	1.9686

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:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3087A U3R1000	1,000 FT	41.000 LB	GRAY U3R	C	#22 FS PR, #22 FS PR PVC
3087A U3R2000	2,000 FT	84.000 LB	GRAY U3R	C	#22 FS PR, #22 FS PR PVC
3087A U3R500	500 FT	20.500 LB	GRAY U3R	C	#22 FS PR, #22 FS PR PVC
3087A U3R5000	5,000 FT	210.000 LB	GRAY U3R	C Z	#22 FS PR, #22 FS PR PVC

Notes:

METRIC MEASUREMENT VERSION

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C = CRATE REEL PUT-UP.

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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