

## 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	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 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: 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

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

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

NEC/(UL) Specification:	CL2
AWM Specification:	UL Style 2464 (30 V 80°C) (I/II A)
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/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	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	18.500 LB	GRAY U3R	C	#22 FS PR, #22 FS PR PVC

**Notes:**

C = CRATE REEL PUT-UP.

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