



Product: [3087A](#)

DeviceBus® for Honeywell SDS, 2 Pr #22 Str TC, PVC+FPE Ins, IS, PVC Jkt, CL2

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### Product Description

DeviceBus® for Honeywell SDS, 2 Pair 22AWG (19x34) Tinned Copper, PVC+Foam PE Insulation, Individual Beldfoil® Shield, PVC Outer Jacket, CL2

### Technical Specifications

#### Product Overview

Suitable Applications:	harsh environment, IIoT, factory or process automation, video, audio, data communication, etc.
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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Power Pair(s)	1	22 AWG	19x34	TC - Tinned Copper
Data Pair(s)	1	22 AWG	19x34	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Power Pair(s)	PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	0.050 in (1.3 mm)	Blue & Brown
Data Pair(s)	PE - Polyethylene (Foam)	0.034 in (0.86 mm)	0.098 in (2.5 mm)	Black & White

##### Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Power Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%		
Data Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (19x34) TC	Power & Data Pairs share same Drainwire

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.290 in (7.37 mm)

Overall Cable Diameter (Nominal):	0.290 in (7.37 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Power Pair(s)	18.2 Ohm/1000ft	11.72 Ohm/1000ft (38.45 Ohm/km)				6 Amps per Conductor at 30°C
Data Pair(s)	18.2 Ohm/1000ft (59.7 Ohm/km)	9.59 Ohm/1000ft (31.5 Ohm/km)	12 pF/ft (39 pF/m)	120 Ohm	76%	6 Amps per Conductor at 30°C

##### High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss (Attenuation)
Data Pair(s)	0.125	0.23 dB/100ft
	0.5	0.42 dB/100ft
	1.0	0.6 dB/100ft

##### High Frequency

Max./Min. Input Impedance (unFitted) [Ohm]
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120

#### Voltage

UL Voltage Rating	Voltage Rating
300 V (CL2), 300 V (AWM 2464)	300 V (AWM I/II A)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating	Storage
80°C	-20°C to +80°C	-40°C to +80 °C

#### Bend Radius

Stationary Min.	Installation Min.
2.9 in (74 mm)	2.9 in (74 mm)

Max. Pull Tension:	47.5 lbs (21.5 kg)
Bulk Cable Weight:	37 lbs/1000ft

### Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 UL Loading
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, CL2
AWM Compliance:	AWM 2464, AWM I/II A
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

### Product Notes

Notes:	Micro Cable (Drop)
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### History

Update and Revision:	Revision Number: 0.474 Revision Date: 01-20-2023
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### Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC
3087A U3R500	Gray U3R	Reel	500 ft	612825141075
3087A U3R1000	Gray U3R	Reel	1,000 ft	612825141051
3087A U3R2000	Gray U3R	Reel	2,000 ft	612825141068
3087A U3R5000	Gray U3R	Reel	5,000 ft	612825141082

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