



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	No. of Elements	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 Impedence	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: 0.477 Revision Date: 04-30-2024
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Part Numbers

Variants

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

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