



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)		22 AWG	19x34	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Power Pair(s)	PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	Blue & Brown
Data Pair(s)	PE - Polyethylene (Foam)	0.034 in (0.86 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)

Cable Diameter (Nominal):	0.290 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Power Pair(s)	17.5 Ohm/1000ft				3 Amps per Conductor at 25°C
Data Pair(s)	17.5 Ohm/1000ft	12 pF/ft	120 Ohm	76%	

Nom. Outer Shield DCR:	7.9 Ohm/1000ft
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High Frequency (Nominal/Typical)

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

High Frequency

Max./Min. Input Impedance (unFitted)

120 Ohm

Voltage

UL Voltage Rating
300 V (UL AWM 2464)

Mechanical Characteristics

Temperature

UL Temperature	Operating	Storage
80°C	-30°C to +80°C	-40°C to +80 °C

Bend Radius

Stationary Min.	Installation Min.
2.5 in (64 mm)	6 in

Max. Pull Tension:	47.5 lbs
Bulk Cable Weight:	33 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	UL1685 UL Loading, FT1
NEC / UL Compliance:	Article 725, CL2
AWM Compliance:	2464, 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)
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: 0.361 Revision Date: 10-13-2021
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