



Product: [3086A](#)

DeviceBus® for Honeywell SDS, 2 Pr #16+20 Str TC, PVC+FPE Ins, IS, PVC Jkt, CL2

Request Sample

Product Description

DeviceBus® for Honeywell SDS, 2 Pair 16+20AWG (19x28+19x32) 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	16 AWG	19x28	TC - Tinned Copper
Data Pair(s)		20 AWG	19x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Power Pair(s)	PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	Blue & Brown
Data Pair(s)	PE - Polyethylene (Foam)	0.042 in (1.1 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%	20 AWG (19x32) TC	Power & Data Pairs share same Drainwire

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in (1.0 mm)	0.398 in (10.1 mm)

Cable Diameter (Nominal):	0.398 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Power Pair(s)	3.6 Ohm/1000ft				7 Amps per Conductor
Data Pair(s)	10 Ohm/1000ft	12 pF/ft	120 Ohm	76%	3.5 Amps per Conductor

Nom. Outer Shield DCR:	5.5 Ohm/1000ft
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High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss
Data Pair(s)	0.125 MHz	0.18 dB/100ft
	0.5 MHz	0.35 dB/100ft
	1 MHz	0.47 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)	6.5 in

Max. Pull Tension:	121 lbs
Bulk Cable Weight:	78.8 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	UL1685 UL Loading, FT1, IEC 60332-1-2
NEC / UL Compliance:	Article 725, CL2
AWM Compliance:	2464, I/II A
CPR Euroclass:	Eca
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:	Mini-Cable (Trunk)
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History

Update and Revision:	Revision Number: 0.365 Revision Date: 10-13-2021
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