



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.
------------------------	--

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)

Overall Cable Diameter (Nominal): 0.398 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Characteristic Impedance	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

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

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	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)
--------	--------------------

History

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

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.