



Product: [3087A](#)

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

[Request Sample](#)

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

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)
-----------------------------------	--------------------

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]
--

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)
--------	--------------------

History

Update and Revision:	Revision Number: 0.474 Revision Date: 01-20-2023
----------------------	--

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

© 2023 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.