



## Product: [3119A](#)

DeviceBus® for InterBus®-S, 3 Pr #18+24 Str TC, PVC+PO Ins, OS+TC Brd, PUR Jkt, AWM 20233

 [Request Sample](#)

### Product Description

DeviceBus® for InterBus®-S, 3 Pair 18+24AWG (7x26+7x32) Tinned Copper, PVC+PO Insulation, Overall Beldfoil®+Tinned Copper Braid(90%) Shield, PUR Outer Jacket, AWM 20233

### Technical Specifications

#### Product Overview

Suitable Applications:	harsh environment, IIoT, factory or process automation, video, audio, data communication, etc.
------------------------	--

#### Physical Characteristics (Overall)

##### Conductor

Element	AWG	Stranding	Material	No. of Conductors	No. of Pairs
Pair(s)	24	7x32	TC - Tinned Copper		3
Conductor(s)	18	7x26	TC - Tinned Copper	3	

Conductor Count: 9

##### Insulation

Element	Material	Nominal Wall Thickness
24 AWG	PE - Polyethylene	0.016 in
18 AWG	PVC - Polyvinyl Chloride	0.01 in

##### Color Chart

Number	Color
1	White & Brown
2	Pink & Gray
3	Green & Yellow
4	
5	
6	

##### Color Chart 2

Color
Red
Blue
Yellow/Green

##### Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24	7x32
Braid	2	Tinned Copper (TC)		90%			

##### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PUR - Polyurethane	0.333 in	0.035 in

## Electrical Characteristics

### Conductor DCR

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
24 AWG	23.4 Ohm/1000ft	2.7 Ohm/1000ft
18 AWG	6.6 Ohm/1000ft	

### Capacitance

Nom. Capacitance Conductor to Shield
15.4 pF/ft
15.4 pF/ft

### Impedance

Nominal Characteristic Impedance
100 Ohm
100 Ohm

### Delay

Nominal Velocity of Propagation (VP) [%]	Nominal Velocity of Propagation (VP) Description
66%	24 AWG

### Current

Element	Max. Recommended Current [A]
24 AWG	2.1 Amps per Conductor
18 AWG	4.8 Amps per Conductor

### Voltage

UL Description	UL Voltage Rating
	UL AWM 20233
300 V	

### Temperature Range

UL Temperature Rating:	80°C
Operating Temperature Range:	-40°C to +80°C

### Mechanical Characteristics

Oil Resistance:	Yes
Bulk Cable Weight:	62 lbs/1000ft
Maximum Recommended Pulling Tension:	100 lbs
Minimum Minor Axis Bend Radius:	3 in

### Standards

UL AWM Style Compliance:	AWM 20233
CPR Euroclass:	Eca

### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

### Suitability

Suitability - Sunlight Resistance:	Yes
------------------------------------	-----

### Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS (UL AWM Style 20233)

## Plenum/Non-Plenum

Plenum (Y/N):

No

## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	UPC
3119A Y5P500	Green Y5P	Reel	500 ft	612825141976
3119A Y5P1000	Green Y5P	Reel	1,000 ft	612825141969

Footnote:

C - CRATE REEL PUT-UP.

## History

Update and Revision:

Revision Number: 0.425 Revision Date: 02-03-2025

© 2026 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 "AS IS" 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.