



Product: [3120A](#)

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

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Product Description

DeviceBus® for InterBus®-S, 3 Pair 24AWG (7x32) Tinned Copper, 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.
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Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Pairs
24	7x32	TC - Tinned Copper	3
Conductor Count:			6

Insulation	
Material	Nominal Wall Thickness
PE - Polyethylene	0.016 in

Color Chart	
Number	Color
1	White & Brown
2	Pink & Gray
3	Yellow & Green

Outer Shield						
Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24
Braid	2	Tinned Copper (TC)		90%		

Outer Jacket		
Material	Nominal Diameter	Nominal Wall Thickness
PUR - Polyurethane	0.277 in	0.035 in

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	Nominal Outer Shield DCR
26 Ohm/1000ft	2.7 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Shield	
15.4 pF/ft	

Impedance	
Nominal Characteristic Impedance	

100 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
66%

Current

Max. Recommended Current [A]
2.7 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Oil Resistance:	Yes
Bulk Cable Weight:	54 lbs/1000ft
Max. Pull Tension:	33 lbs
Min. Bend Radius/Minor Axis:	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
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Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
3120A G7W500	Green, Matte	Reel	500 ft	612825141990
3120A G7W1000	Green, Matte	Reel	1,000 ft	612825141983
3120A G7W5000	Green, Matte	Reel	5,000 ft	612825142003

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.411 Revision Date: 02-03-2025
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