



**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
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#### 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 Material

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

#### Outer Jacket Material

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 Temp 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:	20233
CPR Euroclass:	Eca

### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
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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### Part Number

#### Variants

Item #	Color	Putup 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.

### History

Update and Revision:	Revision Number: 0.278 Revision Date: 06-08-2020
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