



**Product:** [3120A](#)

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

[Request Sample](#)

## 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.
------------------------	------------------------------------------------------------------------------------------------

### 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 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
------------------------------------	-----

### Flammability, LSOH, Toxicity Testing

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

### Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

### 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
----------------------	--------------------------------------------------

© 2020 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.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.