



Product: [3124A](#)

DeviceBus® for Square D/Seriplex®, 2 Pr #18+22 Str TC, PVC+FPE Ins, OS, PVC Jkt, CM

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Product Description

DeviceBus® for Square D/Seriplex®, 2 Pair 18+22AWG (16x30+7x30) Tinned Copper, PVC+FPE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

Technical Specifications

Product Overview

Suitable Applications:	harsh environment, IloT, factory or process automation, video, audio, data communication, etc.
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Power Pair(s)	1	18 AWG	16x30	TC - Tinned Copper
Data Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code	Notes
Power Pair(s)	PE - Polyethylene (Foam)	0.026 in (0.66 mm)	Black & Red	HDPE
Data Pair(s)	PE - Polyethylene (Foam)	0.0315 in (0.800 mm)	White & Green	HDPE

Outer Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC	Foam PP tape under foil tape

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.039 in (0.99 mm)	0.308 in (7.82 mm)	Yes

Overall Cable Diameter (Nominal): 0.308 in (7.82 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
Power Pair(s)	6.8 Ohm/1000ft (22 Ohm/km)	20 pF/ft		
Data Pair(s)	18.1 Ohm/1000ft (59.4 Ohm/km)	16 pF/ft	120 Ohm	78%

Nom. Outer Shield DCR: 10.7 Ohm/1000ft (35.1 Ohm/km)

Voltage

UL Voltage Rating
300 V (CM), 600 V (UL AWM 20201)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
3.75 in (95.3 mm)	3.75 in

Max. Pull Tension:	60 lbs (27 kg)
Bulk Cable Weight:	39.3 lbs/1000ft (58.5 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 800, CL2, CM
AWM Compliance:	AWM 20201
CEC / C(UL) Compliance:	CM
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)
Other Standard Compliance(s):	Seriplex CBL 1822-P18

History

Update and Revision:	Revision Number: 0.347 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
3124A 0031000	Orange	Reel	1,000 ft	612825142010

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