



**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, IIoT, 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

### Electrical Characteristics

#### Electricals

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

Nom. Outer Shield DCR: 10.7 Ohm/1000ft

#### 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

## Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 725, Article 800, CL2, CM
AWM Compliance:	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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	Seriplex CBL 1822-P18

## History

Update and Revision:	Revision Number: 0.338 Revision Date: 12-15-2021
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