



Product: [3126A](#)

DeviceBus® for Square D/Seriplex®, 3 Pr #12+16+22 Str TC, PVC+PVC+PO Ins, OS (Data), PVC Jkt, CM

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Product Description

DeviceBus® for Square D/Seriplex®, 3 Pair 12+16+22AWG (65x30+26x30+7x30) Tinned Copper, PVC+PVC+PO Insulation, Overall Beldfoil® (Data Pair Only) 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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Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
16	26x30	TC - Tinned Copper	2
22	7x30	TC - Tinned Copper	2
12	65x30	TC - Tinned Copper	2
Conductor Count:			6

Insulation		
Element	Material	Nominal Wall Thickness
16 AWG	PE - Polyethylene	0.025 in
22 AWG	PE - Polyethylene	0.0405 in
12 AWG	PVC - Polyvinyl Chloride	0.018 in

Color Chart	
Number	Color
1 (16 AWG)	Red and Black
2 (22 AWG)	Green and White
3 (12 AWG)	White/Red and White/Black

Outer Shield						
Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	7x30

Outer Jacket			
Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	.486 x .363 in	0.039 in	PO - Polyolefin (Foam) Tape

Construction and Dimensions

Cabling
Lay Direction
Left Hand

Electrical Characteristics

Conductor DCR

Element	Max. Outer Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
16 AWG	16 Ohm/1000ft	4.49 Ohm/1000ft	16 Ohm/1000ft
22 AWG		18.1 Ohm/1000ft	
12 AWG		1.8 Ohm/1000ft	

Capacitance

Element	Nom. Capacitance Conductor to Shield
16 AWG	28 pF/ft
22 AWG	16 pF/ft

Impedance

Nominal Characteristic Impedance
120 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]	Nominal Velocity of Propagation (VP) Description
78%	16 & 22 AWG
78%	12 AWG
48%	

Voltage

UL Description	UL Voltage Rating
CL2	300 V RMS
CM	

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	-20°C to +75°C

Mechanical Characteristics

Bulk Cable Weight:	105 lbs/1000ft
Max. Pull Tension:	262 lbs

Standards

NEC Articles:	Article 725, Article 800
NEC/(UL) Compliance:	CL2, CM
CEC/C(UL) Compliance:	CM

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

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
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
3126A 0031000	Orange	Reel	1,000 ft	612825142041

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.345 Revision Date: 04-30-2024
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