



Product: [3125A](#)

DeviceBus® for Square D/Seriplex®, 2 Pr #16+22 Str TC, PVC+PO Ins, OS (Data), PVC Jkt, CM

[Request Sample](#)

Product Description

DeviceBus® for Square D/Seriplex®, 2 Pair 16+22AWG (26x30+7x30) Tinned Copper, 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 Pairs
16	26x30	TC - Tinned Copper	1
22	7x30	TC - Tinned Copper	1

Conductor Count:	4
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Insulation

Element	Material	Nominal Wall Thickness
16 AWG	PE - Polyethylene (Foam)	0.025 in
22 AWG	PE - Polyethylene (Foam)	0.0405 in

Color Chart

Number	Color
1 (16 AWG)	Black and Red
2 (22 AWG)	Green and White

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	0.368 in	0.039 in	PO - Polyolefin (Foam) Tape

Construction and Dimensions

Cabling

Lay Direction
Left Hand

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
16 AWG	4.49 Ohm/1000ft	16 Ohm/1000ft
22 AWG	18.1 Ohm/1000ft	

Capacitance

Element	Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
22 AWG	16 pF/ft	28 pF/ft
16 AWG	9 pF/ft	16 pF/ft
22 AWG		
16 AWG		

Impedance

Nominal Characteristic Impedance
120 Ohm

Delay

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

Voltage

UL Description	UL Voltage Rating
CM	300 V RMS
CL2	

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	55.6 lbs/1000ft
Max. Pull Tension:	85 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, LSOH, 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
3125A 0031000	Orange	Reel	1,000 ft	612825142027
3125A 0035000	Orange	Reel	5,000 ft	612825142034

Footnote: C - CRATE REEL PUT-UP., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

History

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