



Product: [3125A](#) 

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

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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	PE - Polyethylene (Foam)	0.025 in
22	PE - Polyethylene (Foam)	0.0405 in

Color Chart

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

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	22	7x30

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.368 in	0.039 in	Foamed Polypropylene 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 Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	55.6 lbs/1000ft
Max Recommended Pulling Tension:	85 lbs

Standards

NEC Articles:	800
NEC/(UL) Specification:	CL2, CM
CEC/C(UL) Specification:	CM
Other Specification:	Seriplex CBL 1622-P1

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

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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Part Number

Variants

Item #	Color	Putup 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.	
Footnote:			Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.	

History

Update and Revision:	Revision Number: 0.291 Revision Date: 04-28-2020
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