



**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

<b>Lay Direction</b>
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, 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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## 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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