



**Part Number:** 3124A

DeviceBus® for Square D/Seriplex®, (2) 18 AWG (16x30) TC, (2) 22 AWG (7x30) TC, FHDPE/FHDPE/PVC, Foil Shld, CM

## Product Description

Two 18 AWG stranded (16x30) tinned copper conductors, two 22 AWG stranded (7x30) tinned copper conductors, foam high density polyethylene insulation (power), foam high density polyethylene insulation (data), overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
18	16x30	TC - Tinned Copper	0.04 in	2
22	7x30	TC - Tinned Copper	0.03 in	2
<b>Total Number of Conductors:</b>			4	

#### Insulation:

Element	Material	Nominal Wall Thickness
22	FHDPE - Foam High Density Polyethylene	0.031 in
18	FHDPE - Foam High Density Polyethylene	0.025 in

#### Cabling 1:

Lay Length	Lay Direction
4 in	Left Hand

#### Outersheild 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	7x30 mm

### Outerjacket 1:

Material	Nominal Diameter	Separator Material
PVC - Polyvinyl Chloride	0.308 in	Foamed Polypropylene Tape

## Electrical Characteristics

### Conductor DCR:

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
22 AWG	18.1 Ohm/1000ft	10.7 Ohm/1000ft
18 AWG	6.8 Ohm/1000ft	

### Capacitance:

Element	Nom. Capacitance Conductor to Shield
18 AWG	20 pF/ft
22 AWG	16 pF/ft

### Impedance:

Nominal Characteristic Impedance	Nominal Characteristic Impedance Description
150 Ohm	Power Pair

### Delay:

Nominal Velocity of Propagation (VP) [%]
0.78 %

### Voltage:

UL Description	UL Voltage Rating
UL AWM Style 20201	600 V RMS
CM	300 V RMS
CL2	150 V RMS

## Use

Max Recommended Pulling Tension:	60 lbs
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## Safety

UL Flammability:	UL1685 UL Loading
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## Temperature Range

Non-UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	3 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
Other Specification:	Other Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
3124A 0031000	ORANGE	Reel	1000 ft

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