

3124A Multi-Conductor - DeviceBus® for Square D/Seriplex®



For more Information
please call

1-800-Belden1



Description

18 and 22 AWG stranded tinned copper conductors, foam HDPE insulation (power), foam HDPE insulation (data), overall Beldfoil® shield (100% coverage), 22 AWG stranded (7x30) tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall):

Conductor:

AWG

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	18	16x30	TC - Tinned Copper	0.040
2	22	7x30	TC - Tinned Copper	0.030

Insulation:

Insulation Material

Layer #	Ins Trade Name	Ins Material	Wall Thickness (in.)	Dia. (in.)	AWG
		FHDPE - Foam High Density Polyethylene	0.031		22
		FHDPE - Foam High Density Polyethylene	0.025		18

Outer Shield:

Outer Shield Material

Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

Outer Jacket:

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling:

Overall Cabling Lay Length & Direction

Length (in.)	Direction
4.000	Left Hand

Overall Cabling Separator Material Foamed Polypropylene Tape

Overall Nominal Diameter: .308 in.

Mechanical Characteristics (Overall):

Operating Temperature Range -20°C To +75°C

Non-UL Temperature Rating 75°C

Bulk Cable Weight: 39.300 lbs/1000 ft.

Max. Recommended Pulling Tension: 60 lbs.

Min. Bend Radius (Install)/Minor Axis: 3 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

NEC/(UL) Specification CM, CL2

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CEC/C(UL) Specification	CM
AWM Specification	UL Style 20201 (600 V 75°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004
Other Specification	Seriplex CBL 1822-P18
Flame Test:	
UL Flame Test	UL1685 UL Loading
Plenum/Non-Plenum:	
Plenum (Y/N)	N

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Description	Impedance (Ohm)
Power Pair	150.000

Nom. Capacitance Conductor to Shield

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Capacitance (pF/ft)
18 AWG				20.000
22 AWG				16.000

Nominal Velocity of Propagation

VP (%)
78%

Nom. Conductor DC Resistance

Description	DCR @ 20°C (Ohm/1000 ft)
22 AWG	18.100
18 AWG	6.800

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
10.700

Max. Operating Voltage - UL

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

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
3124A 0031000	1,000 FT	47.000 LB	ORANGE	C	2 #18, 2#22 FHDPE FS PVC ORG

Notes:

C = CRATE REEL PUT-UP.

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