

## 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	.040
2	22	7x30	TC - Tinned Copper	.030

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (in.)	AWG
FHDPE - Foam High Density Polyethylene	.031	22
FHDPE - Foam High Density Polyethylene	.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 Cable****Overall Cabling Lay Length & Direction:**

Length (in.)	Direction
4.0	Left Hand

Overall Cabling Separator Material: Foamed Polypropylene Tape

Overall Nominal Diameter: 0.308 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.

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

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CM, CL2
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 20201 (600 V 75°C)
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	Seriplex CBL 1822-P18

## Flame Test

UL Flame Test:	UL1685 UL Loading
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Description	Impedance (Ohm)
Power Pair	150

## Nom. Capacitance Conductor to Shield:

Description	Capacitance (pF/ft)
18 AWG	20.0
22 AWG	16.0

## Nominal Velocity of Propagation:

VP (%)
78%

## Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
22 AWG	18.1
18 AWG	6.8

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.7

## Max. Operating Voltage - UL:

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

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

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

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**Notes:**

C = CRATE REEL PUT-UP.

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