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1-800-Belden1



General 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. (mm)
2	18	16x30	TC - Tinned Copper	1.016
2	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	AWG
FHDPE - Foam High Density Polyethylene	0.7874	22
FHDPE - Foam High Density Polyethylene	0.635	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 (mm)	Direction
101.5996	Left Hand

Overall Cabling Separator Material: Foamed Polypropylene Tape

Overall Nominal Diameter: 7.823 mm

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 58.486 Kg/Km

Max. Recommended Pulling Tension: 266.892 N

Min. Bend Radius/Minor Axis: 76.200 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM, CL2

CEC/(UL) Specification: CM

AWM Specification: UL Style 20201 (600 V 75°C)

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

METRIC MEASUREMENT VERSION

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

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. Capacitance Conductor to Shield:

Description	Capacitance (pF/m)
18 AWG	65.62
22 AWG	52.496

Nominal Velocity of Propagation:

Description	VP (%)
Data Pair	78.000
Power Pair	78.000

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
22 AWG	59.3861
18 AWG	22.3108

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
35.1067

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

Notes:

C = CRATE REEL PUT-UP.

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