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1-800-Belden1



## General Description:

16 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	16	26x30	TC - Tinned Copper	1.524
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	0.635	16
FHDPE - Foam High Density Polyethylene	1.016	22

### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material
Beldfoil®	Tape	Aluminum Foil-Polyester Tape

Outer Shield Drain Wire AWG:

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

Outer Shield Drain Wire Diameter: .030

### 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: 9.347 mm

## Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 82.744 Kg/Km

Max. Recommended Pulling Tension: 378.097 N

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC(UL) Specification: CL2, CM

CEC/C(UL) Specification: CM

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

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

## METRIC MEASUREMENT VERSION

### 3125A Multi-Conductor - DeviceBus® for Square D/Seriplex®

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
MIL Order #39 (China RoHS):	Yes
Other Specification:	Seriplex CBL 1622-P1

#### 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)
22 AWG	52.496
16 AWG	91.868

#### Nom. Capacitance Conductor to Conductor:

Description	Capacitance (pF/m)
22 AWG	29.529
16 AWG	52.496

#### Nominal Velocity of Propagation:

Description	VP (%)
16 AWG	78
22 AWG	78

#### Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
16 AWG	14.7317
22 AWG	59.3861

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
52.496

#### Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	CM
150 V RMS	CL2

#### Max. Operating Voltage - Non-UL:

Voltage
350 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3125A 0031000	1,000 FT	68.000 LB	ORANGE	C	2 #16,2#22 FHDPE FS PVC
3125A 0035000	5,000 FT	345.000 LB	ORANGE	C Z	2 #16,2#22 FHDPE FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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