

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



## 9951 Multi-Conductor - Communication and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

16 AWG stranded (19x29) tinned copper conductors, nylon skin over insulation, PVC insulation, tinned copper braid shield (90% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
1	16	19x29	TC - Tinned Copper

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Layer #	Insulation Material	Wall Thickness (in.)
1	PVC - Polyvinyl Chloride	.012
2	Nylon	.004

Insulation Resistance: 500 megohms/1000 ft. @ 500 VDC

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	90

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.016

#### Overall Cable

Overall Cabling Color Code Chart:

Color
White

Overall Nominal Diameter: 0.143 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 20 lbs/1000 ft.

Max. Recommended Pulling Tension: 30.400 lbs.

Min. Bend Radius/Minor Axis: 1.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

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): 10/01/2005

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

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Military Specification: MIL-W-16878E/17 (insulated conductor)

Other Specification: NEMA HP3

### Flame Test

UL Flame Test: VW-1

### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

138

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.8

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.3

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

Voltage

600 V RMS

#### Max. Recommended Current:

Current

6.5 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9951 0091000	1,000 FT	22.000 LB	WHITE		1 #16 PVC/NY SHLD PVC

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