

## 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 (mm)
1	PVC - Polyvinyl Chloride	0.3048
2	Nylon	0.1016

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 (mm)
PVC - Polyvinyl Chloride	0.4064

#### Overall Cable

Overall Cabling Color Code Chart:

Color
White

Overall Nominal Diameter: 3.632 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 29.764 Kg/Km

Max. Recommended Pulling Tension: 135.225 N

Min. Bend Radius/Minor Axis: 38.100 mm

### 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

## METRIC MEASUREMENT VERSION

### 9951 Multi-Conductor - Communication and Instrumentation Cable

**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/m)**

452.778

##### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**

19.0298

##### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/km)**

14.1083

##### 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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