

## 9953 Multi-Conductor - Communication and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	16	19x29	TC - Tinned Copper

Total Number of Conductors: 3

#### 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	.025

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black
3	Red

Overall Nominal Diameter: 0.264 in.

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 52 lbs/1000 ft.

Max. Recommended Pulling Tension: 91.200 lbs.

Min. Bend Radius/Minor Axis: 2.750 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

## 9953 Multi-Conductor - Communication and Instrumentation Cable

Mil Order #39 (China RoHS):	Yes
Military Specification:	MIL-W-16878E/17 (insulated conductor)
Other Specification:	NEMA HP3
<b>Plenum/Non-Plenum</b>	
Plenum (Y/N):	No

### Electrical Characteristics (Overall)

**Nom. Inductance:**

**Inductance (µH/ft)**

**Nom. Capacitance Conductor to Conductor:**

**Capacitance (pF/ft)**

**Nom. Capacitance Cond. to Other Conductor & Shield:**

**Capacitance (pF/ft)**

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

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

**Voltage**

**Max. Recommended Current:**

**Current**

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9953 009100	100 FT	5.200 LB	WHITE		3 #16 PVC/NY SHLD PVC
9953 0091000	1,000 FT	56.000 LB	WHITE	C	3 #16 PVC/NY SHLD PVC
9953 009500	500 FT	27.500 LB	WHITE	C	3 #16 PVC/NY SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 4    Revision Date: 09-10-2012

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