

## 9967 Multi-Conductor - Communication and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

22 AWG stranded (19x34) 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	22	19x34	TC - Tinned Copper

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Layer #	Insulation Material	Wall Thickness (mm)
1	PVC - Polyvinyl Chloride	0.254
2	Nylon	0.0762

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	0.508

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black
3	Red

Overall Nominal Diameter: 4.674 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 35.717 Kg/Km

Max. Recommended Pulling Tension: 126.774 N

Min. Bend Radius/Minor Axis: 50.800 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

## METRIC MEASUREMENT VERSION

### 9967 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/m)**  
0.472464

##### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/m)**  
147.645

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

**Capacitance (pF/m)**  
288.728

##### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**  
50.1993

##### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/km)**  
17.3893

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

**Voltage**  
600 V RMS

##### Max. Recommended Current:

**Current**  
2.8 Amps per conductor @ 25°C

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9967 009100	100 FT	3.100 LB	WHITE		3 #22 PVC/NY SHLD PVC
9967 0091000	1,000 FT	26.000 LB	WHITE	C	3 #22 PVC/NY SHLD PVC
9967 009500	500 FT	13.000 LB	WHITE		3 #22 PVC/NY SHLD PVC

##### Notes:

C = CRATE REEL PUT-UP.

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