

## 9966 Multi-Conductor - 2 Conductors Cabled -Communication and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**Description:**

22 AWG stranded (19x34) 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
2	22	19x34	TC - Tinned Copper

Total Number of Conductors: 2

**Insulation****Insulation Material:**

Layer #	Insulation Material	Wall Thickness (in.)
1	PVC - Polyvinyl Chloride	.010
2	Nylon	.003

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	.020

**Overall Cable****Overall Cabling Color Code Chart:**

Number	Color
1	White
2	Black

Overall Nominal Diameter: 0.174 in.

**Mechanical Characteristics (Overall)**

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 19 lbs/1000 ft.

Max. Recommended Pulling Tension: 19 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

EU CE Mark: Yes

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

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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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

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

Other Specification: NEMA HP3

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)****Nom. Inductance:**

Inductance (μH/ft)

.129

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

52

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

Capacitance (pF/ft)

87

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

14.6

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

6.2

**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
9966 009100	100 FT	2.600 LB	WHITE		2 #22 PVC/NY SHLD PVC
9966 0091000	1,000 FT	20.000 LB	WHITE	C	2 #22 PVC/NY SHLD PVC
9966 009500	500 FT	10.500 LB	WHITE		2 #22 PVC/NY SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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