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please call

1-800-Belden1



### General Description:

20 AWG stranded (19x32) 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	20	19x32	TC - Tinned Copper

Total Number of Conductors: 1

#### Insulation

##### Insulation Material:

Layer #	Insulation Material	Wall Thickness (mm)
1	PVC - Polyvinyl Chloride	0.279
2	Nylon	0.076

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	0.254

#### Overall Cable

##### Overall Cabling Color Code Chart:

Color
White

Overall Nominal Diameter: 2.769 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 11.906 Kg/Km

Max. Recommended Pulling Tension: 66.723 N

Min. Bend Radius/Minor Axis: 31.750 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

## 9961 Multi-Conductor - Communication and Instrumentation Cable

<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	10/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Military Specification:</b>	MIL-W-16878E/17 (insulated conductor)
<b>Other Specification:</b>	NEMA HP3

### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Shield:

<b>Capacitance (pF/m)</b>
337.943

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
29.2009

#### Nominal Outer Shield DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
24.6075

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

<b>Voltage</b>
600 V RMS

#### Max. Recommended Current:

<b>Current</b>
3.8 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9961 0091000	1,000 FT	9.000 LB	WHITE		1 #20 PVC/NY SHLD PVC
9961 009500	500 FT	4.500 LB	WHITE		1 #20 PVC/NY SHLD PVC

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