



**Part Number: 9952**

Audio/Control/Communication/Instrumentation, (2) 16 AWG (19x29) TC, PVC-NYL/PVC, TC Braid Shld

[Request Sample](#)

## Product Description

Two 16 AWG stranded (19x29) tinned copper conductors, PVC-Nylon insulation, tinned copper braid shield (90% coverage), PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	2

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	16 AWG

#### Insulation

Layer	Material	Nominal Wall Thickness
1	PVC - Polyvinyl Chloride	0.012 in
2	Nylon	0.004 in

#### Color Chart

Number	Color
1	White
2	Black

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	90 %

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.25 in	0.025 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.3 Ohm/1000ft	5.7 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
57 pF/ft	95 pF/ft

#### Inductance

Nominal Inductance
0.12 $\mu$ H/ft

#### Current

**Max. Recommended Current [A]**

6.5 Amps per conductor @ 25°C A

**Voltage****Non-UL Voltage Rating**

600 V RMS

Electrical Characteristics Notes: 500 megohms/1000 ft. @ 500 VDC

**Temperature Range**

UL Temp Rating: 105°C

Operating Temp Range: -20°C To +105°C

**Mechanical Characteristics**

Bulk Cable Weight: 38 lbs/1000ft

Max Recommended Pulling Tension: 60.8 lbs

Min Bend Radius/Minor Axis: 2.5 in

**Standards**

CPR Euroclass: Eca

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

Other Specification: NEMA HP3

**Applicable Environmental and Other Programs**

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

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-10-01

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Part Number****Variants**

Item #	Color	Footnote
9952 009100	White	
9952 0091000	White	C
9952 009500	White	

Footnote: C - CRATE REEL PUT-UP.

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