



**Part Number: 9951**

Audio/Control/Communication/Instrumentation, (1) 16 AWG (19x29) TC, PVC-NYL/PVC, TC Braid Shld

## Product Description

One 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	1

Conductor Count:	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

Color
White

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.143 in	0.016 in

### Electrical Characteristics

#### Conductor DCR

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

#### Capacitance

Nom. Capacitance Conductor to Shield
138 pF/ft

Shielding:	Braid(s)
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#### Current

Max. Recommended Current [A]
6.5 Amps per conductor @ 25°C

#### Voltage

Non-UL Voltage Rating
600 V RMS

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

UL Temp Rating:	105°C
Operating Temp Range:	-20°C To +105°C

## Mechanical Characteristics

Bulk Cable Weight:	20 lbs/1000ft
Max Recommended Pulling Tension:	30.4 lbs
Min Bend Radius/Minor Axis:	1.5 in

## Standards

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 & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color
9951 0091000	WHITE

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