



Product: [9951](#)

Electronic, 1 C #16 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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Product Description

Electronic, 1 Conductor 16AWG (19x29) Tinned Copper, PVC-NYL Insulation, Overall Tinned Copper Braid(90%) Shield, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	MIL-W-16878 (Type B) Spec; up to 600V analog signals ; up to 600V voltage control
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	1

Conductor Count:	1
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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	Tinned Copper (TC)	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

Current

Max. Recommended Current [A]
6.5 Amps per Conductor at 25°C

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: 20 lbs/1000ft
Max. Pull Tension: 30.4 lbs
Min Bend Radius/Minor Axis: 1.5 in

Standards

Military Compliance: MIL-W-16878E/17 (insulated conductor)
Other Compliance: 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
MII Order #39 (China RoHS): Yes

Flammability, LS0H, Toxicity Testing

UL Flammability: VW-1

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

Item #	Color	UPC
9951 0091000	White	612825265092

History

Update and Revision: Revision Number: 0.300 Revision Date: 06-24-2020

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