



**Product:** [9961](#) 

Electronic, 1 C #20 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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**Product Description**

Electronic, 1 Conductor 20AWG (19x32) 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
20	19x32	TC - Tinned Copper	1

Conductor Count:	1
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**Insulation**

Layer	Material	Nominal Wall Thickness
1	PVC - Polyvinyl Chloride	0.011 in
2	Nylon	0.003 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	0.109 in	0.01 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR
8.9 Ohm/1000ft	7.5 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Shield
103 pF/ft

**Current**

Max. Recommended Current [A]
3.8 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: 8 lbs/1000ft  
Max Recommended Pulling Tension: 15 lbs  
Min Bend Radius/Minor Axis: 1.25 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  
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
9961 0091000	White	612825265191
9961 009500	White	612825265207

## History

Update and Revision: Revision Number: 0.296 Revision Date: 04-28-2020

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