



Product: [9961](#)

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

Request Sample

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 |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 1 | 20 AWG | 19x32 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------|----------------------|--------------------------|------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.0105 in (0.267 mm) | 0.064 in (1.6 mm) | White |

Outer Shield

| Shield Type | Material | Coverage |
|-------------|--------------------|----------|
| Braid | Tinned Copper (TC) | 97% |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|-------------------|---------------|
| PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.109 in |

Overall Cable Diameter (Nominal): 0.109 in.

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Shield | Max. Current |
|--------------------|---------------------------------|--------------------------------|
| 11.2 Ohm/1000ft | 103 pF/ft (338 pF/m) | 3.8 Amps per Conductor at 25°C |

Voltage

| Voltage Rating |
|----------------|
| 600 V |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 105°C | -20°C To +105°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 1.09 in (27.7 mm) | 1.09 in |

Max. Pull Tension: 15 lbs (6.8 kg)

| | |
|--------------------|--------------|
| Bulk Cable Weight: | 8 lbs/1000ft |
|--------------------|--------------|

Standards and Compliance

| | |
|----------------------------------|--|
| Flammability / Reaction to Fire: | VW-1 |
| Military Compliance: | MIL-W-16878E/17 (insulated conductor) |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.390 Revision Date: 02-03-2025 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | UPC |
|--------------|-------|--------------|
| 9961 0091000 | White | 612825265191 |
| 9961 009500 | White | 612825265207 |

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