



Product: [9962](#)

Electronic, 2 C #20 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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Product Description

Electronic, 2 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) | 2 | 20 AWG | 19x32 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|--------------|--|--------------------|--------------|
| Conductor(s) | PVC/Nylon - Polyvinyl Chloride + Nylon | 0.011 in (0.28 mm) | White, Black |

Outer Shield

| Shield Type | Material | Coverage |
|-------------|--------------------|----------|
| Braid | Tinned Copper (TC) | 90% |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.016 in (0.41 mm) | 0.192 in (4.88 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.192 in (4.88 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|----------------------------|-------------------------------|---|--------------------------------|
| Conductor(s) | 9.1 Ohm/1000ft (30 Ohm/km) | 53 pF/ft (170 pF/m) | 91 pF/ft (300 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. |
|-----------------|-------------------|
| 1.9 in (48 mm) | 1.9 in (48 mm) |

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 30 lbs (14 kg) |
| Bulk Cable Weight: | 22 lbs/1000ft (33 kg/km) |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | VW-1 |
| CPR Compliance: | CPR Euroclass: Eca |
| 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) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.370 Revision Date: 02-15-2024 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|--------------|-------|--------------|----------|
| 9962 009100 | White | 612825265214 | |
| 9962 0091000 | White | 612825265221 | C |
| 9962 009500 | White | 612825265238 | |

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