



Product: [9966](#)

Electronic, 2 C #22 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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Product Description

Electronic, 2 Conductor 22AWG (19x34) 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 | 22 | 19x34 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|----------------------------------------|----------------------|--------------------------|--------------|
| PVC/Nylon - Polyvinyl Chloride + Nylon | 0.0125 in (0.318 mm) | 0.056 in (1.4 mm) | White, Black |
| Nylon | 0.003 in (0.076 mm) | | |

Outer Shield

| Shield Type | Material | Coverage |
|-------------|--------------------|----------|
| Braid | Tinned Copper (TC) | 92% |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.02 in (0.51 mm) | 0.174 in (4.42 mm) |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| 14.6 Ohm/1000ft | 52 pF/ft (170 pF/m) | 87 pF/ft (290 pF/m) | 2.8 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. |
|-------------------|-------------------|
| 1.74 in (44.2 mm) | 1.74 in (44.2 mm) |

| | |
|--------------------|-----------------|
| Max. Pull Tension: | 19 lbs (8.6 kg) |
| Bulk Cable Weight: | 19 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|------------------------------------------------------------------------------|
| Flammability / Reaction to Fire: | IEC 60332-1-2 |
| 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

| | |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.499 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|--------------|-------|--------------|----------|
| 9966 009100 | White | 612825265313 | |
| 9966 0091000 | White | 612825265320 | C |
| 9966 009500 | White | 612825265337 | |

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