



**Product:** [9965](#)

Electronic, 1 C #22 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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**Product Description**

Electronic, 1 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      | Number of Element | Size   | Stranding | Material           |
|--------------|-------------------|--------|-----------|--------------------|
| Conductor(s) | 1                 | 22 AWG | 19x34     | TC - Tinned Copper |

**Insulation**

| Element      | Material                               | Nom. Thickness       | Nom. Insulation Diameter | Color Code |
|--------------|--|----------------------|--------------------------|------------|
| Conductor(s) | PVC/Nylon - Polyvinyl Chloride + Nylon | 0.0125 in (0.318 mm) | 0.056 in (1.4 mm)        | White      |

**Outer Shield**

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

**Outer Jacket**

| Material                 | Nom. Thickness    | Nom. Diameter |
|--------------------------|-------------------|---------------|
| PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.098 in      |

Overall Cable Diameter (Nominal): 0.098 in.

**Electrical Characteristics**

**Electricals**

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Shield | Max. Current                   |
|--------------------|---------------------------------|--------------------------------|
| 18.1 Ohm/1000ft    | 100 pF/ft (330 pF/m)            | 4.4 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. |
|-----------------|-------------------|
| 0.98 in (25 mm) | 0.98 in           |

|                    |               |
|--------------------|---------------|
| Max. Pull Tension: | 9.5 lbs       |
| Bulk Cable Weight: | 14 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)  |
| Other Standard Compliance(s):    | NEMA HP3   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.382 Revision Date: 12-21-2021 |
|----------------------|--|

## Variants

| Item #       | Color | UPC          |
|--------------|-------|--------------|
| 9965 0091000 | White | 612825265306 |

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