



**Product:** [9968](#)

Electronic, 4 C #22 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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### Product Description

Electronic, 4 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) | 4                 | 22 AWG | 19x34     | TC - Tinned Copper |

##### Insulation

| Element      | Material                 | Nom. Thickness       | Nom. Insulation Diameter | Color Code               |
|--------------|--------------------------|----------------------|--------------------------|--------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.0125 in (0.318 mm) | 0.056 in (1.4 mm)        | White, Black, Red, Green |

##### Outer Shield

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

##### Outer Jacket

| Material                 | Nom. Thickness    | Nom. Diameter |
|--------------------------|-------------------|---------------|
| PVC - Polyvinyl Chloride | 0.02 in (0.51 mm) | 0.2 in        |

|                                   |         |
|-----------------------------------|---------|
| Overall Cable Diameter (Nominal): | 0.2 in. |
|-----------------------------------|---------|

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------------|-------------------------------|---|--------------------------------|
| 17.8 Ohm/1000ft    | 42 pF/ft (140 pF/m)           | 69 pF/ft (230 pF/m)                             | 2.4 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. |
|-----------------|-------------------|
| 2 in (51 mm)    | 2 in              |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 38 lbs (17 kg) |
| Bulk Cable Weight: | 29 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)  |
| Other Standard Compliance(s):    | NEMA HP3   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.390 Revision Date: 05-05-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #       | Color | UPC          |
|--------------|-------|--------------|
| 9968 009100  | White | 612825265375 |
| 9968 0091000 | White | 612825265382 |
| 9968 009500  | White | 612825265399 |

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