



Product: [9968](#)

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

Request Sample

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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22  | 19x34     | TC - Tinned Copper | 4                 |

|                  |   |
|------------------|---|
| Conductor Count: | 4 |
|------------------|---|

Insulation

| Layer | Material                 | Nominal Wall Thickness |
|-------|--------------------------|------------------------|
| 1     | PVC - Polyvinyl Chloride | 0.01 in                |
| 2     | Nylon                    | 0.003 in               |

Color Chart

| Number | Color |
|--------|-------|
| 1      | White |
| 2      | Black |
| 3      | Red   |
| 4      | Green |

Outer Shield Material

| Type  | Material           | Coverage [%] |
|-------|--------------------|--------------|
| Braid | TC - Tinned Copper | 90 %         |

Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.2 in           | 0.02 in                |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 15.2 Ohm/1000ft       | 5.8 Ohm/1000ft           |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 42 pF/ft                                | 69 pF/ft  |

Inductance

| Nominal Inductance |
|--------------------|
|--------------------|

|             |
|-------------|
| 0.143 µH/ft |
|-------------|

Current

| Max. Recommended Current [A]  |
|-------------------------------|
| 2.8 Amps per conductor @ 25°C |

Voltage

| Non-UL Voltage Rating |
|-----------------------|
| 600 V RMS             |

Temperature Range

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 105°C           |
| Operating Temp Range: | -20°C To +105°C |

Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 29 lbs/1000ft |
| Max Recommended Pulling Tension: | 38 lbs        |
| Min Bend Radius/Minor Axis:      | 2 in          |

Standards

|                         |                                       |
|-------------------------|---------------------------------------|
| CPR Euroclass:          | Eca                                   |
| Military Specification: | MIL-W-16878E/17 (insulated conductor) |
| Other Specification:    | NEMA HP3                              |

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-10-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Flammability, LS0H, Toxicity Testing

|                       |               |
|-----------------------|---------------|
| ISO/IEC Flammability: | IEC 60332-1-2 |
|-----------------------|---------------|

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

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

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.294 Revision Date: 04-28-2020 |
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