



**Product:** [8735](#) 

Electronic, 3 C #22 Str TC, PVC Ins, OA TC Brd, PVC Jkt, CMG

 [Request Sample](#)

## Product Description

Electronic, 3 Conductor 22AWG (7x30) Tinned Copper, PVC Insulation, Overall Tinned Copper Braid(70%) Shield, PVC Outer Jacket, CMG

## Technical Specifications

### Product Overview

|                        |                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

### Construction Details

#### Conductor

| Element      | No. of Elements | Size | Stranding | Material           |
|--------------|-----------------|------|-----------|--------------------|
| Conductor(s) | 3               | 22   | 7x30      | TC - Tinned Copper |

#### Insulation

| Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code        |
|--------------------------|--------------------|--------------------------|-------------------|
| PVC - Polyvinyl Chloride | 0.016 in (0.41 mm) | 0.04 in (1.0 mm)         | Black, Red, White |

#### Outer Shield

| Shield Type | Material           | Coverage |
|-------------|--------------------|----------|
| Braid       | Tinned Copper (TC) | 70%      |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.025 in (0.64 mm) | 0.202 in (5.13 mm) |

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| 15 Ohm/1000ft      | 34 pF/ft (110 pF/m)           | 60 pF/ft (200 pF/m)                             | 2.9 Amps per Conductor at 25°C |

Nom Outer Shield DCR@Cond DCR1-cnvt: 4.6 Ohm/1000ft (15 Ohm/km)

#### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V             |

### Mechanical Characteristics

#### Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 80°C           | -20°C To +80°C |

#### Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 2.02 in (51.3 mm) | 2.02 in (51.3 mm) |

Max. Pull Tension: 27.3 lbs (12.4 kg)

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 25 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                       |
| Flammability / Reaction to Fire: | UL1685 UL Loading, FT4, IEC 60332-1-2                                        |
| CPR Compliance:                  | CPR Euroclass: Eca                                                           |
| NEC / UL Compliance:             | Article 800, CMG                                                             |
| AWM Compliance:                  | AWM 2095                                                                     |
| CEC / C(UL) Compliance:          | CMG                                                                          |
| 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: 0.549 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length   | UPC          | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 8735 060500  | Chrome | Reel       | 500 ft   | 612825214793 | C        |
| 8735 0601000 | Chrome | Reel       | 1,000 ft | 612825214786 | C        |

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

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