



**Product:** [8729](#) 

Electronic, 4 C #22 Str TC, PE Ins, OS, PVC Jkt, CM

 [Request Sample](#)

## Product Description

Electronic, 4 Conductor 22AWG (19x34) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

## 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) | 4               | 22 AWG | 19x34     | TC - Tinned Copper |

#### Insulation

| Element      | Material          | Nom. Thickness     | Nom. Insulation Diameter | Color Code               |
|--------------|-------------------|--------------------|--------------------------|--------------------------|
| Conductor(s) | PE - Polyethylene | 0.016 in (0.41 mm) | 0.062 in (1.6 mm)        | Black, Red, Green, Clear |

#### Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type      | Notes                       |
|-------------|-------------------------|----------|---------------------|-----------------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (Solid) TCCS | Also has Stranded #25 drain |

#### Outer Jacket

| Material                 | Nom. Thickness    | Nom. Diameter      |
|--------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.051 in (1.3 mm) | 0.257 in (6.53 mm) |

Overall Cable Diameter (Nominal): 0.257 in (6.53 mm)

### Electrical Characteristics

#### Electricals

| Element               | Nom. Conductor DCR              | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|-----------------------|---------------------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| Conductor(s)          | 17.8 Ohm/1000ft                 | 22 pF/ft (72 pF/m)            | 42 pF/ft (140 pF/m)                             | 4.8 Amps per Conductor at 30°C |
| Nom Outer Shield DCR: | 12.56 Ohm/1000ft (41.21 Ohm/km) |                               |                                                 |                                |

#### Voltage

| UL Voltage Rating               |
|---------------------------------|
| 300 V (CM), 300 V (UL AWM 2094) |

### Mechanical Characteristics

#### Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C to +75°C |

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.6 in (66 mm)  | 2.6 in (66 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 46 lbs (21 kg) |
| Bulk Cable Weight: | 43 lbs/1000ft  |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                                                                    |
| Sustainability:                  | CA Prop 65                                                                                                                |
| Flammability / Reaction to Fire: | UL 1685 UL loading , IEC 60332-1-2                                                                                        |
| CPR Compliance:                  | CPR Euroclass: Eca                                                                                                        |
| NEC / UL Compliance:             | Article 800, CM, CL3                                                                                                      |
| AWM Compliance:                  | AWM 2094                                                                                                                  |
| CEC / C(UL) Compliance:          | CM.                                                                                                                       |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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: 0.480 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color | Putup Type | Length   | UPC          | Footnote |
|---------------|-------|------------|----------|--------------|----------|
| 8729 009500   | White | Reel       | 500 ft   | 612825214724 | C        |
| 8729 009U500  | White | UnReel     | 500 ft   | 612825214700 |          |
| 8729 0091000  | White | Reel       | 1,000 ft | 612825214717 | C        |
| 8729 009U1000 | White | UnReel     | 1,000 ft | 612825214694 |          |
| 8729 0095000  | White | Reel       | 5,000 ft | 612825214731 |          |

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

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