



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 | 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) | 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 |

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 , FT1, 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) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.470 Revision Date: 06-30-2022 |
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Part Numbers

Variants

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

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