



Product: [9462](#)

Electronic, 2 C #22 Str TC, PVC Ins, OS, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 2 Conductor 22AWG (7x30) Tinned Copper, PVC Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CMG

Technical Specifications

Product Overview

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

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 2 | 22 AWG | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------|----------------------|--------------------------|------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.0155 in (0.394 mm) | 0.060 in (1.5 mm) | Black, Red |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type | Notes |
|-------------|-------------------------|----------|------------------|----------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 22 AWG (7x30) TC | Foil-Out |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.035 in (0.89 mm) | 0.194 in (4.93 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.194 in (4.93 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Max. Current |
|--------------|--------------------|-------------------------------|---|-------------------------------|------------------------------|
| Conductor(s) | 16 Ohm/1000ft | 50 pF/ft (160 pF/m) | 90 pF/ft (300 pF/m) | 36 Ohm | 3 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|----------------------------------|
| 300 V (CMG), 300 V (UL AWM 2464) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 80°C | -30°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.9 in (48 mm) | 1.9 in (48 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 27 lbs (12 kg) |
| Bulk Cable Weight: | 19 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor (Not Riser or Plenum), Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | AWM 2464 |
| CEC / C(UL) Compliance: | CMG |
| 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

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|----------------------|--|
| Update and Revision: | Revision Number: 0.532 Revision Date: 02-03-2025 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|---------------|--------|--------------|----------|
| 9462 060100 | Chrome | 612825253464 | |
| 9462 0601000 | Chrome | 612825253471 | C |
| 9462 060500 | Chrome | 612825253488 | |
| 9462 0605000 | Chrome | 612825253495 | C Z |
| 9462 060U1000 | Chrome | 612825253440 | |
| 9462 060U500 | Chrome | 612825253457 | |

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