



Product: [8461](#)

Electronic, 2 C #18 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 2 Conductor 18AWG (7x26) Tinned Copper, PVC Insulation, 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 |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1 | 18 AWG | 7x26 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------|--------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.022 in (0.56 mm) | 0.090 in (2.3 mm) | Black & White |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.027 in (0.69 mm) | 0.234 in (5.94 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.234 in (5.94 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---------|--------------------|-------------------------------|-------------------------------|
| Pair(s) | 7.2 Ohm/1000ft | 22 pF/ft (72 pF/m) | 14 Amps per Conductor at 30°C |

Voltage

| UL Voltage Rating |
|--------------------------|
| 300 V (CMG), 300 V (CL3) |

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.3 in (58 mm) | 2.3 in (58 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 45 lbs (20 kg) |
| Bulk Cable Weight: | 26 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | UL 1685 UL loading , FT4, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 725, Article 800, CMG, CL3 |
| 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: 0.518 Revision Date: 02-15-2024 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---------------|--------|------------|----------|--------------|----------|
| 8461 060100 | Chrome | Reel | 100 ft | 612825208167 | |
| 8461 060500 | Chrome | Reel | 500 ft | 612825208181 | C |
| 8461 060U500 | Chrome | UnReel | 500 ft | 612825208150 | |
| 8461 0601000 | Chrome | Reel | 1,000 ft | 612825208174 | C |
| 8461 060U1000 | Chrome | UnReel | 1,000 ft | 612825208143 | |
| 8461 0605000 | Chrome | Reel | 5,000 ft | 612825208198 | |

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