



Product: [8465](#)

Electronic, 5 C #18 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 5 Conductor 18AWG (19x30) Tinned Copper, PVC Insulation, 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) | 5               | 18 AWG | 19x30     | TC - Tinned Copper |

Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                      |
|--------------|--------------------------|--------------------|--------------------------|---------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.078 in (2.0 mm)        | Black, White, Red, Green, Brown |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.033 in (0.84 mm) | 0.282 in (7.16 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.282 in (7.16 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                    |
|--------------|--------------------|-------------------------------|---------------------------------|
| Conductor(s) | 7.06 Ohm/1000ft    | 26 pF/ft (85 pF/m)            | 11.2 Amps per Conductor at 30°C |

Voltage

| UL Voltage Rating                |
|----------------------------------|
| 300 V (CMG), 300 V (UL AWM 2598) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 60°C           | -20°C to +60°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.8 in (71 mm)  | 2.8 in (71 mm)    |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 124 lbs (56.2 kg) |
| Bulk Cable Weight: | 50 lbs/1000ft     |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                                                                    |
| 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 2598                                                                                                                  |
| 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

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.507 Revision Date: 01-20-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color  | Putup Type | Length   | UPC          | Footnote |
|---------------|--------|------------|----------|--------------|----------|
| 8465 060100   | Chrome | Reel       | 100 ft   | 612825208259 |          |
| 8465 060500   | Chrome | Reel       | 500 ft   | 612825208273 | C        |
| 8465 060U500  | Chrome | UnReel     | 500 ft   | 612825208242 |          |
| 8465 0601000  | Chrome | Reel       | 1,000 ft | 612825208266 | C        |
| 8465 060U1000 | Chrome | UnReel     | 1,000 ft | 612825208235 |          |
| 8465 0605000  | Chrome | Reel       | 5,000 ft | 612825208280 |          |

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