



Product: [8466](#)

Electronic, 12 C #18 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 12 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) | 12 | 18 AWG | 19x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------|--------------------|--------------------------|--|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.018 in (0.46 mm) | 0.080 in (2.0 mm) | Black, White, Red, Green, Orange, Blue, White/Black Stripe, Red/Black Stripe, Green/Black Stripe, Orange/Black Stripe, Blue/Black Stripe, Black/White Stripe |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.040 in (1.0 mm) | 0.412 in (10.5 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.412 in (10.5 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|--------------|--------------------|-------------------------------|--------------------------------|
| Conductor(s) | 7.13 Ohm/1000ft | 26 pF/ft (85 pF/m) | 9.8 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. |
|-----------------|-------------------|
| 4.1 in (100 mm) | 4.1 in (100 mm) |

| | |
|--------------------|------------------|
| Max. Pull Tension: | 296 lbs (134 kg) |
| Bulk Cable Weight: | 113 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: 0.503 Revision Date: 01-20-2023 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 8466 060100 | Chrome | Reel | 100 ft | 612825208297 | |
| 8466 060250 | Chrome | Reel | 250 ft | 612825208310 | C |
| 8466 060500 | Chrome | Reel | 500 ft | 612825208327 | C |
| 8466 0601000 | Chrome | Reel | 1,000 ft | 612825208303 | C |
| 8466 0605000 | Chrome | Reel | 5,000 ft | 612825208334 | C Z |

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