



Product: [9161](#)

Electronic, 8 Pr #18 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 8 Pair 18AWG (16x30) 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) | 8               | 18 AWG | 16x30     | TC - Tinned Copper |

Insulation

| Element | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                                                                                          |
|---------|--------------------------|--------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.013 in (0.33 mm) | 0.073 in (1.9 mm)        | Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.037 in (0.94 mm) | 0.485 in (12.3 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.485 in (12.3 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|---------|--------------------|-------------------------------|--------------------------------|
| Pair(s) | 7.2 Ohm/1000ft     | 25.5 pF/ft (83.7 pF/m)        | 3.5 Amps per Conductor at 20°C |

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 4.9 in (120 mm) | 4.9 in (120 mm)   |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 332.8 lbs (151.0 kg) |
| Bulk Cable Weight: | 142 lbs/1000ft       |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                       |
| Sustainability:                  | CA Prop 65                                                                   |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4                                                     |
| 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 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: 0.537 Revision Date: 12-22-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length   | UPC          | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 9161 060100  | Chrome | Reel       | 100 ft   | 612825224990 | C        |
| 9161 0601000 | Chrome | Reel       | 1,000 ft | 612825225003 | C        |

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