



REPRESENTATIVE IMAGE

Product: [8469](#)

Electronic, 9 C #18 Str TC, PVC Ins, PVC Jkt, CMG

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Product Description

Electronic, 9 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 | Number of Element | AWG | Stranding | Material |
|--------------|-------------------|-----|-----------|--------------------|
| Conductor(s) | 9 | 18 | 19x30 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness [in.] | Color Code |
|--------------|--------------------------|-----------------|---|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.018 | Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.037 in | 0.364 in |

| | |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.364 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|--------------|--------------------|-------------------------------|--------------------------------|
| Conductor(s) | 6.3 Ohm/1000ft | 26 pF/ft | 3.5 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|--------------------|----------------|
| 60°C (UL AWM 2598) | -20°C to +60°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.75 in | 3.6 in |

| | |
|--------------------|---------------|
| Max. Pull Tension: | 222 lbs |
| Bulk Cable Weight: | 89 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor |
| Flammability / Fire Resistance: | UL1685 FT4 Loading, FT4, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | 2598 |
| CEC / C(UL) Compliance: | CMG |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.323 Revision Date: 07-31-2020 |
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