



REPRESENTATIVE IMAGE

Product: [9154](#)

Electronic, 2 C #20 Str TC, PVC Ins, OS, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PVC Insulation, Overall Beldfoil® Shield, 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 | Number of Element | AWG | Stranding | Material |
|--------------|-------------------|-----|-----------|--------------------|
| Conductor(s) | 2 | 20 | 7x28 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness | Color Code |
|--------------|--------------------------|-----------|------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.015 in | Black, Red |

Outer Shield Material

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 22 AWG (7x30) TC |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.031 in | 0.198 in |

| | |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.198 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Characteristic Impedance | Max. Current |
|--------------|--------------------|-------------------------------|---|--------------------------|------------------------------|
| Conductor(s) | 9.5 Ohm/1000ft | 60 pF/ft | 100 pF/ft | 36 Ohm | 4 Amps per Conductor at 25°C |

| | |
|-----------------------|-----------------|
| Nom Outer Shield DCR: | 11.4 Ohm/1000ft |
|-----------------------|-----------------|

Voltage

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

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|--------------------|----------------|
| 80°C (UL AWM 2464) | -20°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| | |

| | |
|------|------|
| 2 in | 2 in |
|------|------|

| | |
|--------------------|---------------|
| Max. Pull Tension: | 39 lbs |
| Bulk Cable Weight: | 20 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | UL1685 FT4 Loading, FT4, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | 2464 |
| 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

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| Update and Revision: | Revision Number: 0.354 Revision Date: 09-30-2020 |
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