



REPRESENTATIVE IMAGE

Product: [8458](#)

Electronic, 15 C #22 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 15 Conductor 22AWG (7x30) 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) | 15 | 22 | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness | Color Code |
|--------------|--------------------------|--------------------|---|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.011 in (0.28 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, Red/White Stripe, Green/White Stripe, Blue/White Stripe |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-------------------|---------------|
| PVC - Polyvinyl Chloride | 0.040 in (1.0 mm) | 0.315 in |

| | |
|---------------------------|--------------------|
| Cable Diameter (Nominal): | 0.315 in (8.00 mm) |
|---------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|--------------|-------------------------------|-------------------------------|--------------------------------|
| Conductor(s) | 15.6 Ohm/1000ft (51.2 Ohm/km) | 34 pF/ft (110 pF/m) | 2.1 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|----------------------------------|
| 300 V (CMG), 150 V (UL AWM 2576) |

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|--------------------|----------------|
| 80°C (UL AWM 2576) | -20°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.2 in (81 mm) | 3.2 in (81 mm) |

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 137 lbs (62.1 kg) |
| Bulk Cable Weight: | 64 lbs/1000ft (95 kg/km) |

Standards and Compliance

| | |
|---------------------------------|--|
| Environmental Suitability: | Indoor |
| Flammability / Fire Resistance: | UL 1685 FT4 Loading, FT4, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | 2576 |
| CEC / C(UL) Compliance: | CMG |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), 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: 0.346 Revision Date: 07-02-2021 |
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