



Product: [8445](#) 

Electronic, 5 C #22 Str TC, PVC Ins, PVC Jkt, CMG

 [Request Sample](#)

Product Description

Electronic, 5 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 | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 5 | 22 AWG | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------|--------------------|--------------------------|---------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.011 in (0.28 mm) | 0.050 in (1.3 mm) | Black, White, Red, Green, Brown |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.032 in (0.81 mm) | 0.194 in (4.93 mm) |

Overall Cable Diameter (Nominal): 0.194 in (4.93 mm)

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Inductance | Max. Current |
|--------------|--------------------|-------------------------------|------------------------|--------------------------------|
| Conductor(s) | 17.8 Ohm/1000ft | 34 pF/ft (110 pF/m) | 0.17 µH/ft (0.56 µH/m) | 2.4 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.9 in (48 mm) | 1.9 in (48 mm) |

Max. Pull Tension: 46 lbs (21 kg)

Bulk Cable Weight: 24 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 2576 |
| 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: 0.517 Revision Date: 09-07-2025 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---------------|--------|------------|----------|--------------|----------|
| 8445 060100 | Chrome | Reel | 100 ft | 612825207481 | |
| 8445 060500 | Chrome | Reel | 500 ft | 612825207504 | C |
| 8445 060U500 | Chrome | UnReel | 500 ft | 612825207474 | |
| 8445 0601000 | Chrome | Reel | 1,000 ft | 612825207498 | C |
| 8445 0605000 | Chrome | Reel | 1,000 ft | 612825207511 | |
| 8445 060U1000 | Chrome | UnReel | 1,000 ft | 612825207467 | |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
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