



Product: [8446](#)

Electronic, 4+2 C #22+18 Str TC, PVC Ins, PVC Jkt, CMG

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Product Description

Electronic, 4+2 Conductor 22+18AWG (7x30+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 digital control (24v, ...); line level audio; computer communication; panel wiring |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 4 | 22 AWG | 7x30 | TC - Tinned Copper |
| Conductor(s) | 2 | 18 AWG | 19x30 | 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) | Red, Green, Brown, Blue |
| Conductor(s) | PVC - Polyvinyl Chloride | 0.018 in (0.46 mm) | 0.080 in (2.0 mm) | Black, White |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.032 in (0.81 mm) | 0.236 in (5.99 mm) |

Overall Cable Diameter (Nominal): 0.236 in (5.99 mm)

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|----------------------------|-------------------------------|---|--------------------------------|
| Conductor(s) | 17.8 Ohm/1000ft | 30 pF/ft (98 pF/m) | 54 pF/ft (180 pF/m) | 2.5 Amps per Conductor at 25°C |
| Conductor(s) | 6.8 Ohm/1000ft (22 Ohm/km) | | | 5.6 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|-------------------------------|
| 150 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. |
|-----------------|-------------------|
| 2.4 in (61 mm) | 2.4 in (61 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 78 lbs (35 kg) |
|--------------------|----------------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 39 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| 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: 0.523 Revision Date: 01-20-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---------------|--------|------------|----------|--------------|----------|
| 8446 060100 | Chrome | Reel | 100 ft | 612825207542 | |
| 8446 060500 | Chrome | Reel | 500 ft | 612825207566 | C |
| 8446 060U500 | Chrome | UnReel | 500 ft | 612825207535 | |
| 8446 0601000 | Chrome | Reel | 1,000 ft | 612825207559 | C |
| 8446 060U1000 | Chrome | UnReel | 1,000 ft | 612825207528 | |

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