



Product: [8446](#)

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

[Request Sample](#)

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 |
|----------------------|--|

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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