

# Part Number: 8442

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

Request Sample

### Product Description

Electronic, 2 Conductor 22AWG (7x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

### Technical Specifications

#### Physical Characteristics (Overall)

**Conductor**

| AWG | Stranding | Material | No. of Conductors |
|---|---|---|---|
| 22 | 7x30 | TC - Tinned Copper | 2 |

| | |
|---|---|
| Conductor Count: | 2 |
| Total Number of Pairs: | 1 |
| Conductor Size: | 22 AWG |

**Insulation**

| Material | Nominal Wall Thickness |
|---|---|
| PVC - Polyvinyl Chloride | 0.016 in |

**Color Chart**

| Number | Color |
|---|---|
| 1 | Black |
| 2 | Red |

**Outer Shield Material**

| Material |
|---|
| Unshielded |

**Outer Jacket Material**

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.17 in | 0.025 in |

#### Construction and Dimensions

**Cabling**

| Lay Direction | Twists |
|---|---|
| Left Hand | 8 twist/ft |

#### Electrical Characteristics

**Conductor DCR**

| Nominal Conductor DCR |
|---|
| 15.6 Ohm/1000ft |

**Capacitance**

| Nom. Capacitance Conductor to Conductor |
|---|
| 30 pF/ft |

**Inductance**

| Nominal Inductance |
|---|
| 0.2 µH/ft |

**Current**

| Element | Max. Recommended Current [A] |
|---|---|
| 10C Temperature Rise | 2.9 Amps per conductor @ 25°C ambient |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V RMS |

## Temperature Range

| | |
|---|---|
| UL Temp Rating: | 80°C (UL AWM Style 2576) |
| Operating Temp Range: | -20°C To +60°C |

## Mechanical Characteristics

| | |
|---|---|
| Bulk Cable Weight: | 15 lbs/1000ft |
| Max Recommended Pulling Tension: | 18 lbs |
| Min Bend Radius/Minor Axis: | 1.75 in |

## Standards

| | |
|---|---|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| CPR Euroclass: | Eca |

## Applicable Environmental and Other Programs

| | |
|---|---|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

## Suitability

| | |
|---|---|
| Suitability - Indoor: | Yes |

## Flammability, LS0H, Toxicity Testing

| | |
|---|---|
| UL Flammability: | UL1685 FT4 Loading |
| CSA Flammability: | FT4 |
| UL voltage rating: | 300 V RMS |

## Plenum/Non-Plenum

| | |
|---|---|
| Plenum (Y/N): | No |
| Plenum Number: | 88442, 82442 |

## Part Number

**Variants**

| Item # | Color | Footnote |
|---|---|---|
| 8442 060100 | Chrome | |
| 8442 0601000 | Chrome | C |
| 8442 06010000 | Chrome | C Y |
| 8442 060500 | Chrome | |
| 8442 0605000 | Chrome | C Z |

| | | |
|---|---|---|
| 8442 060U1000 | Chrome | |
| 8442 060U500 | Chrome | |

| | |
|---|---|
| Footnote: | C - CRATE REEL PUT-UP. |
| Footnote: | Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'. |
| Footnote: | Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN. |

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