



Product: [8444](#)

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

[Request Sample](#)

Product Description

Electronic, 4 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 |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material | No. of Conductors |
|--------------|-----|-----------|--------------------|-------------------|
| Conductor(s) | 22 | 7x30 | TC - Tinned Copper | 4 |

| | |
|------------------|---|
| Conductor Count: | 4 |
|------------------|---|

Insulation

| Element | Material | Nominal Wall Thickness |
|--------------|--------------------------|------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.011 in |

Color Chart

| Color |
|-------|
| Black |
| White |
| Red |
| Green |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.185 in | 0.032 in |

Construction and Dimensions

Cabling

| Lay Direction | Twists |
|---------------|--------------|
| Left Hand | 4.4 twist/ft |

Electrical Characteristics

Conductor DCR

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

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 34 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.17 µH/ft |

Current

| Element | Max. Recommended Current [A] |
|----------------------|---------------------------------------|
| 10C Temperature Rise | 2.4 Amps per conductor @ 25°C ambient |

Voltage

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| UL type CMG | 300 V RMS |
| UL AWM 2576 | 150 V RMS |

Temperature Range

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

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 21 lbs/1000ft |
| Max Recommended Pulling Tension: | 35 lbs |
| Min Bend Radius/Minor Axis: | 2 in |

Standards

| | |
|--------------------------|----------------------------|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| UL AWM Style: | UL Style 2576 (150 V 80°C) |
| CSA AWM Specification: | FT4 |
| 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 |
| MII Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LSOH, Toxicity Testing

| | |
|-----------------------|--------------------|
| UL Flammability: | UL1685 FT4 Loading |
| CSA Flammability: | FT4 |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|----------------|--------------|
| Plenum (Y/N): | No |
| Plenum Number: | 88444, 82444 |

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|--------------|--------|------------|--------|--------------|
| 8444 060100 | Chrome | Reel | 100 ft | 612825207405 |
| 8444 060500 | Chrome | Reel | 500 ft | 612825207429 |
| 8444 060U500 | Chrome | UnReel | 500 ft | 612825207399 |

| | | | | |
|---------------|--------|--------|----------|--------------|
| 8444 0601000 | Chrome | Reel | 1,000 ft | 612825207412 |
| 8444 060U1000 | Chrome | UnReel | 1,000 ft | 612825207382 |
| 8444 0605000 | Chrome | Reel | 5,000 ft | 612825207436 |

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.295 Revision Date: 04-30-2020 |
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