



Product: [8458](#)

Electronic, 15 C #22 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 15 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 | 15                |
| Conductor Count: |     |           |                    | 15                |

Insulation

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

Color Chart

| Color               |
|---------------------|
| Black               |
| White               |
| Red                 |
| Green               |
| Orange              |
| Blue                |
| White/Black Stripe  |
| Red/Black Stripe    |
| Green/Black Stripe  |
| Orange/Black Stripe |
| Blue/Black Stripe   |
| Black/White Stripe  |
| Red/White Stripe    |
| Green/White Stripe  |
| Blue/White Stripe   |

Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.315 in         | 0.040 in               |

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

| Max. Recommended Current [A]  |
|-------------------------------|
| 2.1 Amps per conductor @ 25°C |

Voltage

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

Temperature Range

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

Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 64 lbs/1000ft |
| Max Recommended Pulling Tension: | 135 lbs       |
| Min Bend Radius/Minor Axis:      | 3.25 in       |

Standards

|                          |      |
|--------------------------|------|
| NEC Articles:            | 800  |
| NEC/(UL) Specification:  | CMG  |
| CEC/C(UL) Specification: | CMG  |
| UL AWM Style:            | 2576 |
| 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 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, LS0H, Toxicity Testing

|                       |                                 |
|-----------------------|---------------------------------|
| UL Flammability:      | UL1685 FT4 Loading              |
| CSA Flammability:     | FT4                             |
| ISO/IEC Flammability: | IEC 60332-1-2                   |
| UL voltage rating:    | 300 V (CMG), 150 V UL AWM 2576) |

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|--------|-------|------------|--------|-----|
|--------|-------|------------|--------|-----|

|              |        |      |          |              |
|--------------|--------|------|----------|--------------|
| 8458 060100  | Chrome | Reel | 100 ft   | 612825208037 |
| 8458 060500  | Chrome | Reel | 500 ft   | 612825208051 |
| 8458 0601000 | Chrome | Reel | 1,000 ft | 612825208044 |
| 8458 0605000 | Chrome | Reel | 5,000 ft | 612825208068 |

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

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.291 Revision Date: 05-19-2020 |
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