



**Product:** [9439](#)

Electronic, 7 C #20 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

## Product Description

Electronic, 7 Conductor 20AWG (7x28) 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) | 20  | 7x28      | TC - Tinned Copper | 7                 |

|                  |   |
|------------------|---|
| Conductor Count: | 7 |
|------------------|---|

#### Insulation

| Element      | Material                 | Nominal Wall Thickness |
|--------------|--------------------------|------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.015 in               |

#### Color Chart

| Number | Color  |
|--------|--------|
| 1      | White  |
| 2      | Red    |
| 3      | Green  |
| 4      | Brown  |
| 5      | Blue   |
| 6      | Orange |
| 7      | Black  |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.26 in          | 0.032 in               |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 10.7 Ohm/1000ft       |

#### Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 27 pF/ft                                |

#### Current

| Max. Recommended Current [A]    |
|---------------------------------|
| 2.8 Amps per conductor @ 25°C A |

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

|                       |                          |
|-----------------------|--------------------------|
| UL Temp Rating:       | 80°C (UL AWM Style 2464) |
| Operating Temp Range: | -20°C To +80°C           |

## Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 50 lbs/1000ft |
| Max Recommended Pulling Tension: | 86 lbs        |
| Min Bend Radius/Minor Axis:      | 2.75 in       |

## Standards

|                          |                            |
|--------------------------|----------------------------|
| NEC/(UL) Specification:  | CMG                        |
| CEC/C(UL) Specification: | CMG                        |
| UL AWM Style:            | UL Style 2464 (300 V 80°C) |
| 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                           |

## 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 |
|---------------|----|

## Part Number

### Variants

| Item #        | Color  | UPC          |
|---------------|--------|--------------|
| 9439 060100   | Chrome | 612825249146 |
| 9439 0601000  | Chrome | 612825249153 |
| 9439 060500   | Chrome | 612825249160 |
| 9439 0605000  | Chrome | 612825249177 |
| 9439 060U1000 | Chrome | 612825249122 |
| 9439 060U500  | Chrome | 612825249139 |

Footnote: C - CRATE REEL PUT-UP.

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.291 Revision Date: 04-30-2020 |
|----------------------|--|

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