



**Product:** [9745](#)

Electronic, 3 Pr #22 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

## Product Description

Electronic, 3 Pair 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 digital control (24v, ...); line level audio; computer communication; panel wiring |
|------------------------|---|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 22  | 7x30      | TC - Tinned Copper | 3            |

|                        |   |
|------------------------|---|
| Conductor Count:       | 6 |
| Total Number of Pairs: | 3 |

#### Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.011 in               |

#### Color Chart

| Number | Color         |
|--------|---------------|
| 1      | Black & Red   |
| 2      | Black & White |
| 3      | Black & Green |

#### Outer Shield Material

| Material  |
|-----------|
| No Shield |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.245 in         | 0.032 in               |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 14.7 Ohm/1000ft       |

#### Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 25.5 pF/ft                              |

#### Current

| Max. Recommended Current [A]  |
|-------------------------------|
| 1.9 Amps per conductor @ 20°C |

## Voltage

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

## Temperature Range

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

## Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 32 lbs/1000ft |
| Max Recommended Pulling Tension: | 55 lbs        |
| Min Bend Radius/Minor Axis:      | 2.5 in        |

## Standards

|                          |                            |
|--------------------------|----------------------------|
| NEC/(UL) Specification:  | CMG                        |
| CEC/C(UL) Specification: | CMG                        |
| UL AWM Style:            | UL Style 2576 (150 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, LS0H, Toxicity Testing

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

## Plenum/Non-Plenum

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

## Part Number

### Variants

| Item #        | Color  | UPC          |
|---------------|--------|--------------|
| 9745 0601000  | Chrome | 612825258100 |
| 9745 060500   | Chrome | 612825258117 |
| 9745 060U1000 | Chrome | 612825258087 |
| 9745 060U500  | Chrome | 612825258094 |

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

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.288 Revision Date: 04-28-2020 |
|----------------------|--|

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