



Product: [9455](#)

Electronic, 9 C #20 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 9 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 | 9 |
| Conductor Count: | | | | 9 |

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 | Yellow |
| 8 | Purple (around Black) |
| 9 | Black |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.317 in | 0.035 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 |

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: | 63 lbs/1000ft |
| Max Recommended Pulling Tension: | 111 lbs |
| Min Bend Radius/Minor Axis: | 3.25 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, LS0H, 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 |
|--------------|--------|--------------|
| 9455 060100 | Chrome | 612825253211 |
| 9455 0601000 | Chrome | 612825253228 |
| 9455 060500 | Chrome | 612825253235 |
| 9455 0605000 | Chrome | 612825253242 |

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

History

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

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