



**Product:** [9261](#)

Electronic, 12 C #20 Str TC, PVC Ins, OA TC Brd, PVC Jkt, CMG

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**Product Description**

Electronic, 12 Conductor 20AWG (7x28) Tinned Copper, PVC Insulation, Overall Tinned Copper Braid(85%) Shield, 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 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

**Construction Details**

Conductor

| Element      | No. of Elements | Size   | Stranding | Material           |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 12              | 20 AWG | 7x28      | TC - Tinned Copper |

Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                                                                                                                                   |
|--------------|--------------------------|--------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.070 in (1.8 mm)        | Black, White, Red, Green, Orange, Blue, White/Black Stripe, Red/Black Stripe, Green/Black Stripe, Orange/Black Stripe, Blue/Black Stripe, Black/White Stripe |

Outer Shield

| Shield Type | Material           | Coverage |
|-------------|--------------------|----------|
| Braid       | Tinned Copper (TC) | 85%      |

Outer Jacket

| Material                          | Nom. Thickness    | Nom. Diameter      |
|-----------------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride          | 0.040 in (1.0 mm) | 0.396 in (10.1 mm) |
| Overall Cable Diameter (Nominal): |                   | 0.396 in (10.1 mm) |

**Electrical Characteristics**

Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------|--------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| Conductor(s) | 9.5 Ohm/1000ft     | 26 pF/ft (85 pF/m)            | 57 pF/ft (190 pF/m)                             | 3.2 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating                |
|----------------------------------|
| 300 V (CMG), 300 V (UL AWM 2464) |

**Mechanical Characteristics**

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 80°C           | -20°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 4.0 in (100 mm) | 4.0 in (100 mm)   |

|                    |                  |
|--------------------|------------------|
| Max. Pull Tension: | 231 lbs (105 kg) |
| Bulk Cable Weight: | 105 lbs/1000ft   |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), Indoor                                                                                      |
| Sustainability:                  | CA Prop 65                                                                                                                |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4, IEC 60332-1-2                                                                                   |
| CPR Compliance:                  | CPR Euroclass: Eca                                                                                                        |
| NEC / UL Compliance:             | Article 800, CMG                                                                                                          |
| AWM Compliance:                  | AWM 2464                                                                                                                  |
| CEC / C(UL) Compliance:          | CMG                                                                                                                       |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance:        | UKCA Mark                                                                                                                 |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.519 Revision Date: 01-20-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length   | UPC          | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 9261 060100  | Chrome | Reel       | 100 ft   | 612825225959 |          |
| 9261 0601000 | Chrome | Reel       | 1,000 ft | 612825225966 | C        |

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