



**Product:** [8762](#)

Electronic, 2 C #20 Str TC, PE Ins, OS, PVC Jkt, CM

[Request Sample](#)

## Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM, Suitable for Audio, Control, and Instrumentation Applications

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

### Construction Details

#### Conductor

| Element | Number of Element | Size   | Stranding | Material           |
|---------|-------------------|--------|-----------|--------------------|
| Pair(s) | 1                 | 20 AWG | 7x28      | TC - Tinned Copper |

#### Insulation

| Element | Material          | Nom. Thickness     | Nom. Insulation Diameter | Color Code   |
|---------|-------------------|--------------------|--------------------------|--------------|
| Pair(s) | PE - Polyethylene | 0.017 in (0.43 mm) | 0.070 in (1.8 mm)        | Black, Clear |

#### Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 20 AWG (7x28) TC |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.028 in (0.71 mm) | 0.204 in (5.18 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.204 in (5.18 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedance | Max. Current                 |
|---------|--------------------|-------------------------------|---|-------------------------------|------------------------------|
| Pair(s) | 11.3 Ohm/1000ft    | 27 pF/ft (89 pF/m)            | 49 pF/ft (160 pF/m)                             | 56 Ohm                        | 8 Amps per Conductor at 30°C |

#### Voltage

| UL Voltage Rating               |
|---------------------------------|
| 300 V (CM), 300 V (UL AWM 2092) |

### Mechanical Characteristics

#### Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 60°C           | -20°C to +60°C |

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.0 in (51 mm)  | 2.0 in (51 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 38 lbs (17 kg) |
| Bulk Cable Weight: | 21 lbs/1000ft  |

## Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Environmental Suitability:       | Indoor  |
| Flammability / Reaction to Fire: | UL 1685 UL loading , IEC 60332-1-2  |
| CPR Compliance:                  | CPR Euroclass: Eca; CPR UKCA Class: Eca   |
| NEC / UL Compliance:             | Article 800, CM   |
| AWM Compliance:                  | AWM 2092  |
| CEC / C(UL) Compliance:          | CM  |
| 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: 0.534 Revision Date: 03-04-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #        | Color  | Putup Type | Length    | UPC/EAN       |
|---------------|--------|------------|-----------|---------------|
| 8762 060100   | Chrome | Reel       | 100 ft    | 612825215363  |
| 8762.00U152   | Chrome | UnReel     | 152 m     | 8719605019059 |
| 8762.01152    | Chrome | Reel       | 152 m     | 8719605019073 |
| 8762 060250   | Chrome | Reel       | 250 ft    | 612825215400  |
| 8762.00U305   | Chrome | UnReel     | 305 m     | 8719605019066 |
| 8762.01305    | Chrome | Reel       | 305 m     | 8719605019080 |
| 8762 060500   | Chrome | Reel       | 500 ft    | 612825215417  |
| 8762 060U500  | Chrome | UnReel     | 500 ft    | 612825215356  |
| 8762.01610    | Chrome | Reel       | 610 m     | 8719605019097 |
| 8762 0601000  | Chrome | Reel       | 1,000 ft  | 612825215370  |
| 8762 060U1000 | Chrome | UnReel     | 1,000 ft  | 612825215349  |
| 8762 0602000  | Chrome | Reel       | 2,000 ft  | 612825215394  |
| 8762 06010000 | Chrome | Reel       | 10,000 ft | 612825215387  |

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