



**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 | AWG | Stranding | Material           |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 1                 | 20  | 7x28      | TC - Tinned Copper |

#### Insulation

| Element | Material          | Thickness | Color Code   |
|---------|-------------------|-----------|--------------|
| Pair(s) | PE - Polyethylene | 0.017 in  | Black, Clear |

#### Outer Shield Material

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

#### Outer Jacket Material

| Material                 | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.028 in  | 0.204 in      |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.204 in |
|---------------------------|----------|

### Electrical Characteristics

#### Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Characteristic Impedence | Max. Current                   |
|---------|--------------------|-------------------------------|---|--------------------------|--------------------------------|
| Pair(s) | 9.5 Ohm/1000ft     | 27 pF/ft                      | 49 pF/ft  | 56 Ohm                   | 3.9 Amps per Conductor at 25°C |

#### Voltage

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

### Mechanical Characteristics

#### Temperature

| UL Rating          | Operating      |
|--------------------|----------------|
| 60°C (UL AWM 2092) | -20°C to +60°C |

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
|                 |                   |

|         |      |
|---------|------|
| 2.25 in | 2 in |
|---------|------|

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

## Standards and Compliance

|                                 |   |
|---------------------------------|---|
| Environmental Suitability:      | Indoor  |
| Flammability / Fire Resistance: | UL1685 UL Loading, IEC 60332-1-2  |
| NEC / UL Compliance:            | Article 800, CM   |
| AWM Compliance:                 | 2092  |
| CEC / C(UL) Compliance:         | CM  |
| CPR Euroclass:                  | Eca   |
| European Directive Compliance:  | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.369 Revision Date: 09-30-2020 |
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