



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 | No. of Elements | 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 Impedence | 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       | Footnote |
|---------------|--------|------------|-----------|---------------|----------|
| 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  | C        |
| 8762 060U500  | Chrome | UnReel     | 500 ft    | 612825215356  |          |
| 8762.01610    | Chrome | Reel       | 610 m     | 8719605019097 |          |
| 8762 0601000  | Chrome | Reel       | 1,000 ft  | 612825215370  | C        |
| 8762 060U1000 | Chrome | UnReel     | 1,000 ft  | 612825215349  |          |
| 8762 0602000  | Chrome | Reel       | 2,000 ft  | 612825215394  | C        |
| 8762 06010000 | Chrome | Reel       | 10,000 ft | 612825215387  | C Y      |

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