



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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