



Product: [8762](#)

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

[Request Sample](#)

Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PO 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 |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material | No. of Pairs |
|---------|-----|-----------|--------------------|--------------|
| Pair(s) | 20 | 7x28 | TC - Tinned Copper | 1 |

| | |
|------------------------|---|
| Conductor Count: | 2 |
| Total Number of Pairs: | 1 |

Insulation

| Element | Material | Nominal Wall Thickness |
|---------|-------------------|------------------------|
| Pair(s) | PE - Polyethylene | 0.017 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| | Clear |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Alum / Poly | Beldfoil® | 100 % | TC - Tinned Copper | 20 | 7x28 |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.204 in | 0.028 in |

Construction and Dimensions

Cabling

| Lay Direction | Twists |
|---------------|------------|
| Left Hand | 6 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 9.5 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 27 pF/ft | 49 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.18 µH/ft |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 56 Ohm |

Current

| Element | Max. Recommended Current [A] |
|----------------------|---------------------------------------|
| 10C temperature rise | 3.9 Amps per conductor @ 25°C ambient |

Voltage

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| CM | 300 V |
| UL AWM 2092) | 300 V |

Temperature Range

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

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 21 lbs/1000ft |
| Max Recommended Pulling Tension: | 46 lbs |
| Min Bend Radius/Minor Axis: | 2.25 in |

Standards

| | |
|--------------------------|------|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| UL AWM Style: | 2092 |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LS0H, Toxicity Testing

| | |
|-----------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
| CSA Flammability: | FT1 |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 300 V |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

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 |

Footnote: C - CRATE REEL PUT-UP.

Footnote: Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

History

Update and Revision: Revision Number: 0.318 Revision Date: 05-19-2020

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