



Product: [8760](#)

Electronic, 2 C #18 Str TC, PE Ins, OS, PVC Jkt, CM

Request Sample

Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

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 | 18 AWG | 16x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|-------------------|--------------------|--------------------------|--------------|
| Pair(s) | PE - Polyethylene | 0.018 in (0.46 mm) | 0.082 in (2.1 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) | 0.222 in (5.64 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.222 in (5.64 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---------|--------------------|-------------------------------|-------------------------------|
| Pair(s) | 7.06 Ohm/1000ft | 27.2 pF/ft (89.2 pF/m) | 14 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. |
|-----------------|-------------------|
| 2.2 in (56 mm) | 2.2 in (56 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 54.2 lbs (24.6 kg) |
|--------------------|--------------------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 25 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 |
| Plenum Number: | 88760, 87760 or 82760 |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.664 Revision Date: 11-27-2024 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC/EAN | Footnote |
|---------------|--------|------------|-----------|---------------|----------|
| 8760.00U152 | Chrome | UnReel | 152 m | 8719605018793 | |
| 8760.01152 | Chrome | Reel | 152 m | 8719605018809 | |
| 8760 060250 | Chrome | Reel | 250 ft | 612825215189 | |
| 8760.01305 | Chrome | Reel | 305 m | 8719605018823 | |
| 8760.01U305 | Chrome | UnReel | 305 m | 8719605018830 | |
| 8760 060500 | Chrome | Reel | 500 ft | 612825215196 | C |
| 8760 060U500 | Chrome | UnReel | 500 ft | 612825215127 | |
| 8760.00610 | Chrome | Reel | 610 m | 8719605018786 | |
| 8760 0601000 | Chrome | Reel | 1,000 ft | 612825215134 | |
| 8760 060U1000 | Chrome | UnReel | 1,000 ft | 612825215110 | |
| 8760.011525 | Chrome | Reel | 1,525 m | 8719605018816 | |
| 8760 0602000 | Chrome | Reel | 2,000 ft | 612825215172 | C |
| 8760 0605000 | Chrome | Reel | 5,000 ft | 612825215202 | C |
| 8760 06010000 | Chrome | Reel | 10,000 ft | 612825215141 | C Y |
| 8760 06015000 | Chrome | Reel | 15,000 ft | 612825215165 | C Y |

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