



Product: [8760](#)

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

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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 | Number of Element | AWG | Stranding | Material |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 1 | 18 | 16x30 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness [in.] | Color Code |
|---------|-------------------|-----------------|--------------|
| Pair(s) | PE - Polyethylene | 0.018 | 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 | 0.222 in |

| | |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.222 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---------|--------------------|-------------------------------|--------------------------------|
| Pair(s) | 6.5 Ohm/1000ft | 27.2 pF/ft | 7.2 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 | 2.2 in |

| | |
|--------------------|--------|
| Max. Pull Tension: | 54 lbs |
|--------------------|--------|

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

History

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| Update and Revision: | Revision Number: 0.388 Revision Date: 09-30-2020 |
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