



**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 | 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        | 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

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.376 Revision Date: 07-31-2020 |
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