



**Product:** [ST\\_8760\\_b](#) 

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 | 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, Blue |

#### Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 20 AWG (7x28) TC |

|                    |                   |
|--------------------|-------------------|
| Armor Table Notes: | ST_ armor notes 2 |
|--------------------|-------------------|

#### 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 | Nom. Inductance        | Max. Current                  |
|---------|-------------------------------|-------------------------------|------------------------|-------------------------------|
| Pair(s) | 7.06 Ohm/1000ft (23.2 Ohm/km) | 27.2 pF/ft (89.2 pF/m)        | 0.18 µH/ft (0.59 µH/m) | 14 Amps per Conductor at 30°C |

|                                      |                               |
|--------------------------------------|-------------------------------|
| Nom Outer Shield DCR@Cond DCR1-cnvr: | 8.49 Ohm/1000ft (27.9 Ohm/km) |
|--------------------------------------|-------------------------------|

#### 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 (37 kg/km) |

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: 0.3 Revision Date: 09-07-2025 |
|----------------------|--|

Part Numbers

|           |   |
|-----------|---|
| Footnote: | C - CRATE REEL PUT-UP., 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'. |
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