



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 |
|----------------------|--------------------------------------------------|

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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