



Product: [8761](#)

Electronic, 2 C #22 Str TC, PE Ins, OS, PVC Jkt, CM

Request Sample

### Product Description

Electronic, 2 Conductor 22AWG (7x30) 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               | 22 AWG | 7x30      | TC - Tinned Copper |

##### Insulation

| Element | Material          | Nom. Thickness     | Nom. Insulation Diameter | Color Code   |
|---------|-------------------|--------------------|--------------------------|--------------|
| Pair(s) | PE - Polyethylene | 0.017 in (0.43 mm) | 0.062 in (1.6 mm)        | Black, Clear |

##### Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (7x30) TC |

##### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.025 in (0.64 mm) | 0.175 in (4.45 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.175 in (4.45 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Max. Current                 |
|---------|--------------------|-------------------------------|---|-------------------------------|------------------------------|
| Pair(s) | 18.2 Ohm/1000ft    | 24 pF/ft (79 pF/m)            | 47 pF/ft (150 pF/m)                             | 64 Ohm                        | 6 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. |
|-----------------|-------------------|
| 1.8 in (46 mm)  | 1.8 in (46 mm)    |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 27.3 lbs (12.4 kg) |
| Bulk Cable Weight: | 16 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:                   | 88761, 87761, 82761   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.532 Revision Date: 03-04-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #        | Color  | Putup Type | Length    | UPC/EAN       | Footnote |
|---------------|--------|------------|-----------|---------------|----------|
| 8761.00U152   | Chrome | UnReel     | 152 m     | 8719605018946 |          |
| 8761.01152    | Chrome | Reel       | 152 m     | 8719605018960 |          |
| 8761.00U305   | Chrome | UnReel     | 305 m     | 8719605018953 |          |
| 8761.01305    | Chrome | Reel       | 305 m     | 8719605018977 |          |
| 8761 060500   | Chrome | Reel       | 500 ft    | 612825215301  |          |
| 8761 060U500  | Chrome | UnReel     | 500 ft    | 612825215240  |          |
| 8761.01610    | Chrome | Reel       | 610 m     | 8719605018984 |          |
| 8761 0601000  | Chrome | Reel       | 1,000 ft  | 612825215257  | C        |
| 8761 060U1000 | Chrome | UnReel     | 1,000 ft  | 612825215233  |          |
| 8761 0602000  | Chrome | Reel       | 2,000 ft  | 612825215295  |          |
| 8761 0605000  | Chrome | Reel       | 5,000 ft  | 612825215318  | C        |
| 8761 06010000 | Chrome | Reel       | 10,000 ft | 612825215264  | C Y      |
| 8761 06015000 | Chrome | Reel       | 15,000 ft | 612825215288  | C Y      |

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