



**Product:** [82761](#)

Electronic, 2 C #22 Str TC, FEP Ins, OS, PVC Jkt, CMP

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### Product Description

Electronic Cable, 2 Conductor 22AWG (7x30) Tinned Copper, FEP Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CMP

### Technical Specifications

#### Product Overview

|                        |                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | indoor plenum applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; voice communications; 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) | FEP - Fluorinated Ethylene Propylene | 0.007 in (0.18 mm) | 0.042 in (1.1 mm)        | Black & Red |

##### 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 | 0.014 in (0.36 mm) | 0.118 in (3.00 mm) |

Overall Cable Diameter (Nominal): 0.118 in (3.00 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) | 15 Ohm/1000ft      | 35 pF/ft (110 pF/m)           | 67 pF/ft (220 pF/m)                             | 42 Ohm                        | 2.8 Amps per Conductor at 25°C |

##### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMP)       |

#### Mechanical Characteristics

##### Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C to +75°C |

##### Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 1.18 in (30.0 mm) | 1.18 in (30.0 mm) |

Max. Pull Tension: 27 lbs (12 kg)

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 11 lbs/1000ft |
|--------------------|---------------|

## Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Plenum, Indoor                                                                                                   |
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum), FT6                                                                                            |
| CPR Compliance:                  | CPR Euroclass: Eca                                                                                                        |
| NEC / UL Compliance:             | Article 800, CMP                                                                                                          |
| CEC / C(UL) Compliance:          | CMP                                                                                                                       |
| 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                                                                                                                 |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |
| Non-Plenum Number:               | 8761                                                                                                                      |

## History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.546 Revision Date: 01-20-2023 |
|----------------------|--------------------------------------------------|

## Part Numbers

### Variants

| Item #         | Color   | Putup Type | Length   | UPC          | Footnote |
|----------------|---------|------------|----------|--------------|----------|
| 82761 877U500  | Natural | UnReel     | 500 ft   | 612825197775 |          |
| 82761 8771000  | Natural | Reel       | 1,000 ft | 612825197782 | C        |
| 82761 877U1000 | Natural | UnReel     | 1,000 ft | 612825197768 |          |
| 82761 8775000  | Natural | Reel       | 5,000 ft | 612825197799 |          |

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