Belden



# Product: 8771

Electronic, 3 C #22 Str TC, PE Ins, OS, PVC Jkt, CM

Request Sample

## Product Description

Electronic, 3 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 control (24v, …); line level audio; voice communications; panel wiring |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Conductor(s) | 3 | 22 AWG | 7x30 | TC - Tinned Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Conductor(s) | PE - Polyethylene | 0.017 in (0.43 mm) | 0.062 in (1.6 mm) | Black, Red, 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 | 0.033 in (0.84 mm) | 0.199 in (5.05 mm) |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.199 in (5.05 mm) |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|---|---|---|---|---|
| Conductor(s) | 17.8 Ohm/1000ft | 23 pF/ft (75 pF/m) | 41 pF/ft (130 pF/m) | 6 Amps per Conductor at 30ºC |

| | |
|---|---|
| Nom Outer Shield DCR: | 12.86 Ohm/1000ft (42.19 Ohm/km) |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V (CM), 300 V (UL AWM 2093) |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 60°C | -20°C to +60°C |

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 0.56 in (14 mm) | 2.0 in (51 mm) |

| | |
|---|---|
| Max. Pull Tension: | 36.4 lbs (16.5 kg) |
| Bulk Cable Weight: | 22 lbs/1000ft |

## Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| 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 2093 |
| 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 |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.536 Revision Date: 09-07-2025 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC/EAN | Footnote |
|---|---|---|---|---|---|
| 8771.00U152 | Chrome | UnReel | 152 m | 8719605019264 | |
| 8771.01152 | Chrome | Reel | 152 m | 8719605019288 | |
| 8771 060250 | Chrome | Reel | 250 ft | 612825215738 | |
| 8771.00U305 | Chrome | UnReel | 305 m | 8719605019271 | |
| 8771.01305 | Chrome | Reel | 305 m | 8719605019295 | |
| 8771.K1305 | Chrome | Reel | 305 m | 8719605019318 | |
| 8771 060500 | Chrome | Reel | 500 ft | 612825215745 | |
| 8771 060U500 | Chrome | UnReel | 500 ft | 612825215707 | |
| 8771 0601000 | Chrome | Reel | 1,000 ft | 612825215714 | C |
| 8771 060U1000 | Chrome | UnReel | 1,000 ft | 612825215691 | |
| 8771.013050 | Chrome | Reel | 3,050 m | 8719605019301 | |
| 8771 06010000 | Chrome | Reel | 10,000 ft | 612825215721 | C Y |

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