Belden



# Product: 8742

Electronic, 3 Pr #22 Sol TC, PVC Ins, PVC Jkt, CMG

Request Sample

## Product Description

Electronic, 3 Pair 22AWG (Solid) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | telephone cables; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, …); voice communications |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Pair(s) | 3 | 22 AWG | Solid | TC - Tinned Copper |

**Insulation**

| Element | Material | Nom. Thickness | Color Code |
|---|---|---|---|
| Pair(s) | PVC - Polyvinyl Chloride | 0.010 in (0.25 mm) | Black & Red, Black & White, Black & Green |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.032 in (0.81 mm) | 0.242 in (6.15 mm) |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.242 in (6.15 mm) |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---|---|---|---|
| Pair(s) | 16.5 Ohm/1000ft (54.1 Ohm/km) | 30 pF/ft (98 pF/m) | 1.96 Amps per Conductor at 20ºC |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V (CMG), 150 V (UL AWM 2576) |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 80°C (UL AWM 2576) | -20°C to +80°C |

| | |
|---|---|
| Max. Pull Tension: | 46 lbs (21 kg) |
| Bulk Cable Weight: | 30 lbs/1000ft (45 kg/km) |

### Standards and Compliance

| | |
|---|---|
| Flammability / Reaction to Fire: | UL1685 FT4 Loading |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | AMW 2576 |

| | |
|---|---|
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, 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) |
| Plenum Number: | 82742 (Stranded conductors) |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.327 Revision Date: 09-07-2025 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---|---|---|---|---|---|
| 8742 0601000 | Chrome | Reel | 1,000 ft | 612825214915 | |
| 8742 0605000 | Chrome | Reel | 5,000 ft | 612825214922 | C |

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

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