# Product: 8471

Electronic, 2 C #16 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

## Product Description

Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

## 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 | Number of Element | Size | Stranding | Material |
|---|---|---|---|---|
| Pair(s) | 1 | 16 AWG | 19x29 | TC - Tinned Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Pair(s) | PVC - Polyvinyl Chloride | 0.023 in (0.58 mm) | 0.105 in (2.67 mm) | Black & White |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.032 in (0.81 mm) | 0.274 in (6.96 mm) |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.274 in (6.96 mm) |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---|---|---|---|
| Pair(s) | 4.52 Ohm/1000ft | 33 pF/ft (110 pF/m) | 18 Amps per Conductor at 30ºC |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V (CMG), 300 V (UL AWM 2598) |

### Mechanical Characteristics

**Temperature**

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

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 2.7 in (69 mm) | 2.7 in (69 mm) |

| | |
|---|---|
| Max. Pull Tension: | 94 lbs (43 kg) |
| Bulk Cable Weight: | 38 lbs/1000ft |

### Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | UL 1685 UL loading , FT4, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca; CPR UKCA Class: Eca |
| NEC / UL Compliance: | Article 725, Article 800, CMG, CL3 |
| AWM Compliance: | AWM 2598 |
| CEC / C(UL) Compliance: | CMG |
| 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 |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.475 Revision Date: 12-16-2022 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC/EAN |
|---|---|---|---|---|
| 8471.00U152 | Chrome | UnReel | 152 m | 8719605018229 |
| 8471.01152 | Chrome | Reel | 152 m | 8719605018243 |
| 8471.00305 | Chrome | Reel | 305 m | 8719605018212 |
| 8471.00U305 | Chrome | UnReel | 305 m | 8719605018236 |
| 8471 060500 | Chrome | Reel | 500 ft | 612825208556 |
| 8471 060U500 | Chrome | UnReel | 500 ft | 612825208532 |
| 8471 0601000 | Chrome | Reel | 1,000 ft | 612825208549 |
| 8471 060U1000 | Chrome | UnReel | 1,000 ft | 612825208525 |
| 8471.001000 | Chrome | Reel | 1,000 m | 8719605018205 |
| 8471 0605000 | Chrome | Reel | 5,000 ft | 612825208563 |