



**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**

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material           | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 16  | 19x29     | TC - Tinned Copper | 1            |

|                        |   |
|------------------------|---|
| Conductor Count:       | 2 |
| Total Number of Pairs: | 1 |

**Insulation**

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.023 in               |

**Color Chart**

| Number | Color         |
|--------|---------------|
| 1      | Black & White |

**Outer Shield Material**

| Material  |
|-----------|
| No Shield |

**Outer Jacket Material**

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.274 in         | 0.032 in               |

**Construction and Dimensions**

**Cabling**

| Lay Direction | Twists     |
|---------------|------------|
| Left Hand     | 6 twist/ft |

**Electrical Characteristics**

**Conductor DCR**

| Nominal Conductor DCR |
|-----------------------|
| 4.49 Ohm/1000ft       |

**Capacitance**

| Nom. Capacitance Conductor to Conductor |
|---|
| 33 pF/ft                                |

**Inductance**

| Nominal Inductance |
|--------------------|
|--------------------|

0.19 µH/ft

#### Current

| Element              | Max. Recommended Current [A]          |
|----------------------|---------------------------------------|
| 10C temperature rise | 6.1 Amps per conductor @ 25°C ambient |

#### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS         |

#### Temperature Range

|                       |                |
|-----------------------|----------------|
| UL Temp Rating:       | 60°C           |
| Operating Temp Range: | -20°C To +80°C |

#### Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 36 lbs/1000ft |
| Max Recommended Pulling Tension: | 61 lbs        |
| Min Bend Radius/Minor Axis:      | 2.75 in       |

#### Standards

|                          |                            |
|--------------------------|----------------------------|
| NEC Articles:            | 800, 725                   |
| NEC/(UL) Specification:  | CL3, CMG                   |
| CEC/C(UL) Specification: | CMG                        |
| UL AWM Style:            | UL Style 2598 (300 V 60°C) |
| CPR Euroclass:           | Eca                        |

#### Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

#### Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

#### Flammability, LSOH, Toxicity Testing

|                       |                    |
|-----------------------|--------------------|
| UL Flammability:      | UL1685 FT4 Loading |
| CSA Flammability:     | FT4                |
| ISO/IEC Flammability: | IEC 60332-1-2      |
| UL voltage rating:    | 300 V RMS          |

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

#### Part Number

#### Variants

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

|               |        |        |          |               |
|---------------|--------|--------|----------|---------------|
| 8471 0605000  | Chrome | Reel   | 5,000 ft | 612825208563  |
| 8471 060U1000 | Chrome | UnReel | 1,000 ft | 612825208525  |
| 8471 060U500  | Chrome | UnReel | 500 ft   | 612825208532  |
| 8471.K0305    | Chrome | Reel   | 305 m    | 8719605018250 |

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

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.287 Revision Date: 04-08-2020 |
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