



Part Number: 8471

Audio/Control/Instrumentation, (1 pr) 16 AWG (19x29) TC, PVC/PVC, CMG

[Request Sample](#)

Product Description

One 16 AWG pair stranded (19x29) tinned copper conductors, twisted pair, PVC insulation, PVC jacket.

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 |
| Conductor Size: | 16 AWG |

Insulation

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

Color Chart

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

Outer Shield Material

| Material |
|------------|
| Unshielded |

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 | |
| Shielding: | Unshielded |

Inductance

| Nominal Inductance |
|--------------------|
| 0.19 μ H/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 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|--------------------|
| UL Flammability: | UL1685 FT4 Loading |
| CSA Flammability: | FT4 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Footnote |
|---------------|--------|----------|
| 8471.00305 | Chrome | |
| 8471.00U152 | Chrome | |
| 8471.00U305 | Chrome | |
| 8471.01152 | Chrome | |
| 8471 0601000 | Chrome | C |
| 8471 060500 | Chrome | C |
| 8471 0605000 | Chrome | |
| 8471 060U1000 | Chrome | |

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