



Product: [8719](#)

Electronic, 2 C #16 Str TC, PO Ins, OS, PVC Jkt, CM

Request Sample

Product Description

Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

Technical Specifications

Product Overview

|                        |                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | up to 600V analog signals ; up to 600V digital control ; line level audio; voice communications; panel wiring |
|------------------------|---------------------------------------------------------------------------------------------------------------|

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 |
| PE - Polyethylene | 0.0315 in              |

| Color Chart |               |
|-------------|---------------|
| Number      | Color         |
| 1           | Black & Clear |

| Outer Shield Material |             |                     |              |                    |               |                              |
|-----------------------|-------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Type                  | Material    | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
| Tape                  | Alum / Poly | Beldfoil®           | 100 %        | TC - Tinned Copper | 18            | Stranded                     |

| Outer Jacket Material    |                  |                        |
|--------------------------|------------------|------------------------|
| Material                 | Nominal Diameter | Nominal Wall Thickness |
| PVC - Polyvinyl Chloride | 0.313 in         | 0.032 in               |

Construction and Dimensions

| Stranding     |              |
|---------------|--------------|
| Lay Direction | Twists       |
| Left Hand     | 4.4 twist/ft |

Electrical Characteristics

| Conductor DCR         |  |
|-----------------------|--|
| Nominal Conductor DCR |  |
| 4.5 Ohm/1000ft        |  |

| Capacitance                             |                                                         |
|-----------------------------------------|---------------------------------------------------------|
| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
| 23 pF/ft                                | 44 pF/ft                                                |

Inductance

| Nominal Inductance |
|--------------------|
| 0.2 µH/ft          |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 65 Ohm                           |

Current

| Element              | Max. Recommended Current [A]        |
|----------------------|-------------------------------------|
| 10C Temperature Rise | 7 Amps per conductor @ 25°C Ambient |

Voltage

| UL Description     | UL Voltage Rating |
|--------------------|-------------------|
| UL AWM Style 20253 | 600 V RMS         |
| UL type CM         | 300 V RMS         |
| UL type CL2        | 150 V RMS         |

Temperature Range

|                       |                           |
|-----------------------|---------------------------|
| UL Temp Rating:       | 80°C (UL AWM Style 20253) |
| Operating Temp Range: | -20°C To +80°C            |

Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 44 lbs/1000ft |
| Max Recommended Pulling Tension: | 102 lbs       |
| Min Bend Radius/Minor Axis:      | 3.25 in       |

Standards

|                          |                             |
|--------------------------|-----------------------------|
| NEC Articles:            | 800, 725                    |
| NEC/(UL) Specification:  | CL2, CM                     |
| CEC/C(UL) Specification: | CM                          |
| UL AWM Style:            | UL Style 20253 (600 V 80°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): | 2001-01-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

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

Flammability, LSOH, Toxicity Testing

|                       |                   |
|-----------------------|-------------------|
| UL Flammability:      | UL1685 UL Loading |
| CSA Flammability:     | FT1               |
| ISO/IEC Flammability: | IEC 60332-1-2     |
| UL voltage rating:    | 600 V RMS         |

Plenum/Non-Plenum

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

Part Number

Variants

| Item #        | Color  | Putup Type | Length    | UPC/EAN       |
|---------------|--------|------------|-----------|---------------|
| 8719.00U152   | Chrome | UnReel     | 152 m     | 8719605018397 |
| 8719.01152    | Chrome | Reel       | 152 m     | 8719605018403 |
| 8719.01305    | Chrome | Reel       | 305 m     | 8719605018427 |
| 8719 060500   | Chrome | Reel       | 500 ft    | 612825214281  |
| 8719 060U500  | Chrome | UnReel     | 500 ft    | 612825214243  |
| 8719.01610    | Chrome | Reel       | 610 m     | 8719605018441 |
| 8719 0601000  | Chrome | Reel       | 1,000 ft  | 612825214250  |
| 8719 060U1000 | Chrome | UnReel     | 1,000 ft  | 612825214236  |
| 8719.011525   | Chrome | Reel       | 1,525 m   | 8719605018410 |
| 8719 0602000  | Chrome | Reel       | 2,000 ft  | 612825214274  |
| 8719.013050   | Chrome | Reel       | 3,050 m   | 8719605018434 |
| 8719 0605000  | Chrome | Reel       | 5,000 ft  | 612825214298  |
| 8719 06010000 | Chrome | Reel       | 10,000 ft | 612825214267  |

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.307 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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