

## 8719 Multi-Conductor - Single-Pair Cable

For more Information  
please call

1-800-Belden1

**General Description:**

16 AWG stranded (19x29) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 18 AWG stranded TC drain wire, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 16  | 19x29     | TC - Tinned Copper |

Total Number of Conductors: 2

**Insulation****Insulation Material:**

| Insulation Material | Wall Thickness (mm) |
|---------------------|---------------------|
| PE - Polyethylene   | 0.8128              |

**Outer Shield****Outer Shield Material:**

| Outer Shield Trade Name | Type | Outer Shield Material                        | Coverage (%) |
|-------------------------|------|----------------------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100          |

**Outer Shield Drain Wire AWG:**

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 18  | Stranded  | TC - Tinned Copper            |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.8128                   |

**Overall Cable**

Overall Nominal Diameter: 7.950 mm

**Pair****Pair Color Code Chart:**

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

**Pair Lay Length & Direction:**

| Lay Length (mm) | Twists (twist/m) | Direction |
|-----------------|------------------|-----------|
| 69.850          | 14.436           | Left Hand |

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 20253)

Bulk Cable Weight: 65.481 Kg/Km

Max. Recommended Pulling Tension: 453.716 N

Min. Bend Radius/Minor Axis: 82.550 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2, CM

NEC Articles: 800, 725

CEC/C(UL) Specification: CM

AWM Specification: UL Style 20253 (600 V 80°C)

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

### Flame Test

UL Flame Test: UL1685 UL Loading

CSA Flame Test: FT1

### Suitability

Suitability - Indoor: Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)  
65

### Nom. Inductance:

Inductance (μH/m)  
0.6562

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
75.463

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)  
144.364

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
14.7645

### Max. Operating Voltage - UL:

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

### Max. Recommended Current:

| Description          | Current                             |
|----------------------|-------------------------------------|
| 10C Temperature Rise | 7 Amps per conductor @ 25°C Ambient |

## 8719 Multi-Conductor - Single-Pair Cable

## Put Ups and Colors:

| Item #        | Putup     | Ship Weight | Color  | Notes | Item Desc         |
|---------------|-----------|-------------|--------|-------|-------------------|
| 8719 060U1000 | 1,000 FT  | 46.000 LB   | CHROME |       | 2 #16 LDPE FS PVC |
| 8719 060U500  | 500 FT    | 24.000 LB   | CHROME |       | 2 #16 LDPE FS PVC |
| 8719 0601000  | 1,000 FT  | 49.000 LB   | CHROME | C     | 2 #16 LDPE FS PVC |
| 8719 06010000 | 10,000 FT | 430.000 LB  | CHROME | C Y   | 2 #16 LDPE FS PVC |
| 8719 0602000  | 2,000 FT  | 96.000 LB   | CHROME | C     | 2 #16 LDPE FS PVC |
| 8719 060500   | 500 FT    | 25.500 LB   | CHROME | C     | 2 #16 LDPE FS PVC |
| 8719 0605000  | 5,000 FT  | 245.000 LB  | CHROME | C     | 2 #16 LDPE FS PVC |

**Notes:**

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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