

## 8719 Paired - Audio, Control and Instrumentation Cable



### Description:

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

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

|                            |                    |
|----------------------------|--------------------|
| Number of Pairs            | 1                  |
| Total Number of Conductors | 2                  |
| AWG                        | 16                 |
| Stranding                  | 19x29              |
| Conductor Material         | TC - Tinned Copper |

#### INSULATION:

|                                |                   |
|--------------------------------|-------------------|
| Insulation Material            | PE - Polyethylene |
| Nom. Insulation Wall Thickness | .032 in.          |

#### PAIR:

|                         |         |
|-------------------------|---------|
| Pair Lay Length         | 1.5 in. |
| Pair Twists/ft.         | 8       |
| Pair Color Code Chart : |         |

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

#### OUTER SHIELD:

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

#### OUTER SHIELD DRAIN WIRE :

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

#### OUTER JACKET:

|                                     |                          |
|-------------------------------------|--------------------------|
| Outer Jacket Material               | PVC - Polyvinyl Chloride |
| Outer Jacket Nominal Wall Thickness | .032 in.                 |

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**OVERALL NOMINAL DIAMETER:**

|                          |          |
|--------------------------|----------|
| Overall Nominal Diameter | .313 in. |
|--------------------------|----------|

**MECHANICAL CHARACTERISTICS:**

|                                  |                           |
|----------------------------------|---------------------------|
| Operating Temperature Range      | -20°C To +80°C            |
| UL Temperature Rating            | 80°C (UL AWM Style 20253) |
| Bulk Cable Weight                | 50 lbs/1000 ft.           |
| Max. Recommended Pulling Tension | 102 lbs.                  |
| Min. Bend Radius (Install)       | 3 in.                     |

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

|                         |                             |
|-------------------------|-----------------------------|
| NEC/(UL) Specification  | CM CL2                      |
| CEC/C(UL) Specification | CM                          |
| AWM Specification       | U1 Style 20253 (600 V 80°C) |

**FLAME TEST:**

|               |                      |
|---------------|----------------------|
| UL Flame Test | UL1581 Vertical Tray |
|---------------|----------------------|

**PLENUM/NON-PLENUM:**

|              |   |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

**ELECTRICAL CHARACTERISTICS:**

|   |   |
|---|---|
| Nom. Characteristic Impedance                   | 65 Ohms                                   |
| Nom. Inductance                                 | .2 µH/ft                                  |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 23 pF/ft                                  |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 44 pF/ft                                  |
| Nom. Conductor DC Resistance @ 20 Deg. C        | 4.5 Ohms/1000 ft                          |
| Max. Operating Voltage - UL                     | 600 V RMS (UL AWM Style 20253); 150 V RMS |
| Other Maximum Continuous Currents               | 7 Amps per conductor @ 25°C               |

**PUT-UPS AND COLORS:**

| Item          | Description       | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|-------------------|--------------|--------------------|--------------|-------|
| 8719 0601000  | 2 #16 LDPE FS PVC | 1000         | 49                 | CHROME       | C     |
| 8719 06010000 | 2 #16 LDPE FS PVC | 10000        | 430                | CHROME       | C Y   |
| 8719 0602000  | 2 #16 LDPE FS PVC | 2000         | 100                | CHROME       | C     |
| 8719 060500   | 2 #16 LDPE FS PVC | 500          | 24.5               | CHROME       |       |
| 8719 0605000  | 2 #16 LDPE FS PVC | 5000         | 245                | CHROME       | C     |
| 8719 060U1000 | 2 #16 LDPE FS PVC | U1000        | 47                 | CHROME       |       |



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**8719 Paired - Audio, Control and Instrumentation Cable**

|              |                   |      |      |        |  |
|--------------|-------------------|------|------|--------|--|
| 8719 060U500 | 2 #16 LDPE FS PVC | U500 | 24.5 | CHROME |  |
|--------------|-------------------|------|------|--------|--|

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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