

## 8720 Multi-Conductor - Single-Pair Cable

For more Information  
please call

1-800-Belden1



### General Description:

14 AWG stranded (19x27) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 16 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 14  | 19x27     | TC - Tinned Copper |

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PE - Polyethylene   | .032                 |

#### Outer Shield

##### Outer Shield Material:

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

##### Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 16  | Stranded  | TC - Tinned Copper            |

#### Outer Jacket

##### Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .035                      |

#### Overall Cable

Overall Nominal Diameter: 0.355 in.

#### Pair

##### Pair Color Code Chart:

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

### Mechanical Characteristics (Overall)

|                                   |                           |
|-----------------------------------|---------------------------|
| Operating Temperature Range:      | -20°C To +80°C            |
| UL Temperature Rating:            | 80°C (UL AWM Style 20253) |
| Bulk Cable Weight:                | 64 lbs/1000 ft.           |
| Max. Recommended Pulling Tension: | 160 lbs.                  |
| Min. Bend Radius/Minor Axis:      | 3.750 in.                 |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2

## 8720 Multi-Conductor - Single-Pair Cable

**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

### Plenum/Non-Plenum

**Plenum (Y/N):** No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

**Impedance (Ohm)**

58

### Nom. Inductance:

**Inductance (µH/ft)**

.2

### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/ft)**

24

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

**Capacitance (pF/ft)**

47

### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**

2.9

### Max. Operating Voltage - UL:

| Voltage   | Description  |
|-----------|--------------|
| 600 V RMS | UL AWM 20253 |
| 300 V RMS | CSA          |

### Max. Recommended Current:

**Current**

9.5 Amps per conductor @ 25°C

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc       |
|--------------|----------|-------------|--------|-------|-----------------|
| 8720 060U500 | 500 FT   | 34.000 LB   | CHROME |       | 2 #14 PE FS PVC |
| 8720 0601000 | 1,000 FT | 72.000 LB   | CHROME | C     | 2 #14 PE FS PVC |
| 8720 0602000 | 2,000 FT | 136.000 LB  | CHROME | C     | 2 #14 PE FS PVC |
| 8720 060500  | 500 FT   | 36.000 LB   | CHROME | C     | 2 #14 PE FS PVC |
| 8720 0605000 | 5,000 FT | 365.000 LB  | CHROME | C     | 2 #14 PE FS PVC |

### Notes:

C = CRATE REEL PUT-UP.

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