



**Part Number:** 8720

Single-Pair, (1 pr) 14 AWG (19x27) TC, PE/PVC, Foil Shld

## Product Description

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

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                                | Stranding | Material           | No. of Pairs |
|------------------------------------|-----------|--------------------|--------------|
| 14                                 | 19x27     | TC - Tinned Copper | 1            |
| <b>Total Number of Conductors:</b> |           |                    | 2            |

#### Insulation:

| Material          | Nominal Wall Thickness |
|-------------------|------------------------|
| PE - Polyethylene | 0.032 in               |

#### Color Chart 1:

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

#### Outershield 1:

| Type | Material                     | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil® (Z-Fold®) | 100 %        | TC - Tinned Copper | 16            | Stranded mm                  |

### Outerjacket 1:

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.355 in         | 0.035 in               |

## Electrical Characteristics

### Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 2.9 Ohm/1000ft        |

### Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 24 pF/ft                                | 47 pF/ft                                                |

### Impedance:

| Nominal Characteristic Impedance |
|----------------------------------|
| 58 Ohm                           |

### Current:

| Max. Recommended Current [A]  |
|-------------------------------|
| 9.5 Amps per conductor @ 25°C |

### Inductance:

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

### Voltage:

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

## Use

|                                  |         |
|----------------------------------|---------|
| Max Recommended Pulling Tension: | 160 lbs |
|----------------------------------|---------|

## Safety

|                  |                   |
|------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
|------------------|-------------------|

## Temperature Range

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

## Mechanical Characteristics

|                             |         |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 3.75 in |
|-----------------------------|---------|

## Part Number

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

## Standards

|                                   |                                  |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| MII Order #39 (China RoHS):       | MII Order #39 (China RoHS)       |
| NEC/(UL) Specification:           | NEC/(UL) Specification           |
| UL AWM Style:                     | AWM Specification                |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR)    |
| EU CE Mark:                       | EU CE Mark                       |

## History

## Product Variants

| Part Number  | Color  | Put-Up Type | Length  |
|--------------|--------|-------------|---------|
| 8720 0601000 | CHROME | Reel        | 1000 ft |
| 8720 0602000 | CHROME | Reel        | 2000 ft |
| 8720 0605000 | CHROME | Reel        | 5000 ft |
| 8720 060500  | CHROME | Reel        | 500 ft  |
| 8720 060U500 | CHROME | UnReel      | 500 ft  |
| 8720.00305   | CHROME | Reel        | 305 ft  |

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