


**Product:** [8719LS](#) 

Electronic, 2 C #16 Str TC, PE Ins, OS, PSZH Jkt, SWA, Eca



## Product Description

Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, Steel Wire Armour, CPR Eca

## Technical Specifications

### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | Instrumentation and computer cable for data transmission applications |
|------------------------|---|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           |
|-----|-----------|--------------------|
| 16  | 19x29     | TC - Tinned Copper |

|                        |   |
|------------------------|---|
| Conductor Count:       | 2 |
| Total Number of Pairs: | 1 |

#### Insulation

| Material          | Nominal Diameter | Diameter +/- Tolerance |
|-------------------|------------------|------------------------|
| PE - Polyethylene | 3.1 mm           | 0.07 mm                |

#### Color Chart

| Number | Color       |
|--------|-------------|
| Wire 1 | Black       |
| Wire 2 | Transparent |

#### Inner Shield Material

| Type | Material                | Drainwire Material | Drainwire AWG |
|------|-------------------------|--------------------|---------------|
| Tape | Bi-Laminate (Alum+Poly) | TC - Tinned Copper | 18            |

#### Inner Jacket Material

| Material  | Color  | Nominal Diameter |
|---|--------|------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | Chrome | 8.1 mm           |

#### Outer Shield Material

| Material                |
|-------------------------|
| Bi-Laminate (Alum+Poly) |

#### Outer Jacket Material

| Material  | Nominal Diameter | Nominal Wall Thickness |
|---|------------------|------------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 12.5 mm          | 1.3 mm                 |

### Construction and Dimensions

#### Armor

| Material          | Thickness of Armoring Wires | Coverage Percentage |
|-------------------|-----------------------------|---------------------|
| Single steel wire | 0.9 mm                      | 95%                 |

## Electrical Characteristics

### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 14.76 Ohm/km          | 20 Ohm/km                |

### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|---|--------------------------------------|
| 75.4 pF/m                               | 144.4 pF/m                           |

### Inductance

| Nominal Pair Inductance |
|-------------------------|
| 0.66 $\mu$ H/m          |

### Current

| Max. Recommended Current [A] |
|------------------------------|
| 7 A                          |

## Temperature Range

|                                       |                |
|---------------------------------------|----------------|
| Installation Temp Range:              | -15°C To +80°C |
| Storage Temp Range:                   | -15°C To +80°C |
| Operating Temp Range:                 | -15°C To +80°C |
| Operating Temp Range (Fixed Install): | -45°C To +80°C |

## Mechanical Characteristics

|                    |               |
|--------------------|---------------|
| Oil Resistance:    | IEC 60811-404 |
| Bulk Cable Weight: | 300 kg/km     |

## Standards

|                |     |
|----------------|-----|
| CPR Euroclass: | Eca |
|----------------|-----|

## Applicable Environmental and Other Programs

|                                       |                        |
|---------------------------------------|------------------------|
| Environmental Space:                  | Indoor - Euroclass Eca |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2016-02-15             |

## Flammability, LSOH, Toxicity Testing

|   |                                  |
|---|----------------------------------|
| IEC Flammability:   | IEC 60332-1-2 and IEC 60332-3-24 |
| IEC 60754-1 (EN50267-1)- Halogen Amount:                              | Zero                             |
| IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity: | 2.5 $\mu$ S/mm                   |
| IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH:           | 4.3                              |

## Part Number

### Variants

| Item #        | Color | Putup Type | Length  | EAN           |
|---------------|-------|------------|---------|---------------|
| 8719LS.001500 | Black | Reel       | 1,500 m | 8719605018465 |
| 8719LS.002100 | Black | Reel       | 2,100 m | 8719605018472 |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.141 Revision Date: 12-18-2020 |
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