



**Product:** [8471LS](#)

Electronic, 1PR #16 Str TC, PO ins, Unsh, LSNH Jkt, 300V, SWA

### Product Description

Electronic, 1 Pair AWG 16 Tinned Copper - Stranded, Polyolefin (PO, PE, PP) insulation, Unshielded shielding, LSZH / FRNC jacket , 300V, SWA

### Technical Specifications

#### Product Overview

Suitable Applications:	Instrumentation and computer cable; For data transmission applications
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Pairs
16	19x29	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

##### Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene	2.67 mm	0.05 mm

##### Color Chart

Number	Color
Pair 1	Black & White

##### Inner Jacket Material

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	Chrome (RAL 7037)	7.1 mm	0.89 mm

Table Notes:	UV Stabilised
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##### Outer Shield Material

Material
No Shield

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	11.5 mm	1.3 mm

### Construction and Dimensions

#### Cabling

Description	Filler
1 pair and 2 fillers twisted to cable core covered with a polyester foil	Polypropylene (2x) (White, 2.29 mm)

#### Armor

Type of Armor	Material	Thickness of Armoring Wires	Coverage Percentage
Steel Wire Armoring	Galvanized steel wire	0.9 mm	Min. 95%

## Electrical Characteristics

### Conductor DCR

Nominal Conductor DCR
14.7 Ohm/km

### Capacitance

Nom. Capacitance Conductor to Conductor
108.3 pF/m

### Inductance

Nominal Pair Inductance
0.62 µH/m

### Current

Element	Max. Recommended Current [A]
Conductor	7.1 Amps per Conductor

### Voltage

Voltage Rating [V]
300 V

## Temperature Range

Storage Temp Range:	-30°C to +80°C
Operating Temp Range (Fixed Install):	-15°C To +80°C

## Mechanical Characteristics

Oil Resistance:	IEC 60811-404
Min Bend Radius During Installation:	172.5 mm

## Standards

CENELEC Compliance:	EN 50290-2-27
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## Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

## Suitability

Suitability - Sunlight Resistance:	Yes
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## Flammability, LSOH, Toxicity Testing

IEC Flammability:	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 µS/mm
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance:	IEC 61034-2

## Part Number

### Variants

Item #	Color	Putup Type	Length	EAN
8471LS.00500	Black	Reel	500 m	8719605018281
8471LS.001000	Black	Reel	1,000 m	8719605018267
8471LS.001500	Black	Reel	1,500 m	8719605018274

## History

Update and Revision:	Revision Number: 0.180 Revision Date: 06-24-2020
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