



**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

<b>Insulation</b>		
Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene	2.67 mm	0.05 mm

<b>Color Chart</b>	
Number	Color
Pair 1	Black & White

<b>Inner Jacket</b>			
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	

<b>Outer Shield</b>	
Material	No Shield

<b>Outer Jacket</b>		
Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	11.5 mm	1.3 mm

**Construction and Dimensions**

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

<b>Armor</b>			
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(s)	7.1 Amps per Conductor

Voltage

Voltage Rating [V]
300 V

Temperature Range

Storage Temperature 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

CPR Euroclass:	Eca
CENELEC Compliance:	EN 50290-2-20

Applicable Environmental and Other Programs

Environmental Space:	Indoor, Indoor/Outdoor, Outdoor, Indoor/Outdoor - Euroclass Eca
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Suitability

Suitability - Sunlight Resistance:	Yes
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Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-3-24
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 - Smoke Density Min. Transmittance:	60%

Related Part Numbers

Variants

Item #	Color	Put-Up 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: 0.229 Revision Date: 02-20-2024
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