



Part Number: 8471LS

Audio, Control and Instrumentation Cable 300 V +80 °C, Unshielded

Product Description

16 AWG, Stranded (19 x 29) TC Conductors, Polyethylene Insulation, LSZH Jacket, 1 Pair

Technical Specifications

Product Overview

Environmental Space:	Indoor
Suitable Applications:	Instrumentation and computer cable; For data transmission applications

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	16 AWG

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
FRPE - Flame Retardant 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
FRNC / LSZH (UV stabilised)	Chrome (RAL 7037)	7.1 mm	0.89 mm

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	Black	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 A

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

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
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Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-3-24
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
8471LS.001000	Black	1,000 m
8471LS.001500	Black	1,500 m
8471LS.00500	Black	500 m
8471LS.K01000	Black	1,000 m

History

Update and Revision:	Revision Number: 0.148 Revision Date: 12-12-2018
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