



Product: [8471LS](#) 

Electronic, 1PR #16 Str TC, PO ins, Unsh, LSZH 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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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	16	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Pair(s)	PE - Polyethylene	0.58 mm (0.023 in)	2.67 mm (0.105 in)	Black & White	Flame Retardant

Outer Shield

Material
No Shield

Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Color
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.89 mm (0.035 in)	7.1 mm (0.28 in)	Chrome (RAL 7037)

Inner Jacket Table Notes:	UV Stabilised
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Armor

Armor Type & Material	Armor Thickness	Coverage
SWA - Steel Wire Armor	0.9 mm	Min. 95%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.3 mm (0.051 in)	11.5 mm (0.453 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
14.7 Ohm/km (4.48 Ohm/1000ft)	108.3 pF/m (33.01 pF/ft)	7.1 Amps per Conductor

Mechanical Characteristics

Temperature

Storage
-30°C to +80°C

Bend Radius

Installation Min.
172.5 mm (6.791 in)

Standards and Compliance

Environmental Suitability:	IndoorIndoor/OutdoorOutdoorIndoor/Outdoor - Euroclass Eca, Indoor, Non-Halogenated, Sunlight Resistance, Oil Resistance - IRM 902 70°Cx4h, Oil Resistance - IEC 60811-404
Flammability / Reaction to Fire:	IEC 60332-3-24
CPR Compliance:	CPR Euroclass: Eca
CEC / C(UL) Compliance:	.
CENELEC Compliance:	EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, 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%
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.246 Revision Date: 07-23-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
8471LS.00500	Black	Reel	500 m	8719605018281
8471LS.001000	Black	Reel	1,000 m	8719605018267
8471LS.K01000	Black	Reel	1,000 m	8719605018298
8471LS.001500	Black	Reel	1,500 m	8719605018274

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