



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
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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

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

Inner Jacket

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

Outer Shield

Material
Bi-Laminate (Alum+Poly)

Outer Jacket

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

Construction and Dimensions

Armor

Type of Armor	Material	Thickness of Armoring Wires	Coverage Percentage
Steel Wire Armoring	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 µH/m

Current

Max. Recommended Current [A]
7 A

Temperature Range

Installation Temperature Range:	-15°C To +80°C
Storage Temperature Range:	-15°C To +80°C
Operating Temperature 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:	Dca-s1,d2,a1
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Applicable Environmental and Other Programs

Environmental Space:	Indoor, Indoor/Outdoor, Outdoor, Indoor/Outdoor - Euroclass Dca
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Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2, 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

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
8719LS.009999	Black	Reel	1,450 m	8719605018489
8719LS.001500	Black	Reel	1,500 m	8719605018465
8719LS.002100	Black	Reel	2,100 m	8719605018472

History

Update and Revision:	Revision Number: 0.191 Revision Date: 06-28-2024
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