



Product: [8719ELW](#)

Electronic, 2 C #16 Str TC, LSZH Ins, OS, LSZH Jkt, Cca

Product Description
Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, LSZH Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, CPR Cca

Technical Specifications

Product Overview

Suitable Applications:	up to 600V analog signals ; up to 600V digital control ; line level audio; voice communications; panel wiring
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	2
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Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	3.1 mm	0.07 mm

Color Chart

Number	Color
Pair 1	Black & white

Inner Shield

Material	Drainwire Material	Drainwire AWG
Bi-Laminate (Alum+Poly)	TC - Tinned Copper	AWG18/16

Inner Jacket

Material
LSZH - Low Smoke Zero Halogen (Flame Retardant)

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	9 / 23 µm	TC - Tinned Copper	18	Stranded

Outer Jacket

Material	Color	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	Chrome (RAL 7037)	8.30 mm
		8.30 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
14.76 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
110 pF/m	200 pF/m

Inductance

Nominal Pair Inductance
0.66 µH/m

Current

Element	Max. Recommended Current [A]
Conductor(s)	7 Amps per Conductor at 25°C

Voltage

Voltage Rating [V]
300 V

Temperature Range

Operating Temperature Range:	-20°C To +80°C
Operating Temp Range (Flexible Install):	-15°C To +80°C
Operating Temp Range (Fixed Install):	-45°C To +80°C

Mechanical Characteristics

Min. Bend Radius/Minor Axis:	85 mm
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Standards

CPR Euroclass:	Cca-s1a,d1,a1
CENELEC Compliance:	EN 50290-2-20

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Non-Halogenated:	Yes

Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
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:	80%

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
8719ELW.001000	Chrome	Reel	10,000 m	8719605193452

History

Update and Revision:	Revision Number: 0.53 Revision Date: 02-13-2024
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