



Product: [8719LWS](#)

Life Cycle Status: Capability

Electronic, 2 C #16 Str TC, PE Ins, OS, PSZH Jkt, SWA, Cca

Product Description

Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, Steel Wire Armour, 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
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

Inner Shield

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

Inner Jacket

Material	Color	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	Black	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

Thickness of Armoring Wires	Coverage Percentage
0.9 mm	95%

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
14.8 Ohm/km	20 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
75 pF/m	144 pF/m

Inductance

Nominal Pair Inductance
0.66 µH/m

Temperature Range

Installation Temperature Range:	-15°C To +80°C
Storage Temperature Range:	-15°C To +80°C

Mechanical Characteristics

Oil Resistance:	IEC 60811-404
Bulk Cable Weight:	300 kg/km

Standards

CPR Euroclass:	Cca-s1,d2,a1
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Applicable Environmental and Other Programs

Environmental Space:	Indoor, Indoor/Outdoor, Outdoor, Indoor/Outdoor - Euroclass Cca
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Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2, IEC 60332-3-24
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
8719LWS.001000	Black	Reel	1,000 m	8719605192080

Product Notes

Notes:	This is a preliminary Technical Design Specification (TDS) which is subject to modification throughout the prototyping phase. The minimum business quantity to offer is 3km for the first order. This product will have Black as standard color and 305mt or 500mt as standard put-ups. Additional options for colors and put-ups are available on special request. The estimated production lead time for the first order will be similar to the production lead time of 8719LS plus extra 6-7 weeks. Please liaise with your Belden representative for confirmation.
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History

Update and Revision:	Revision Number: 0.64 Revision Date: 06-19-2024
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