



Product: [8718LS](#) 

Life Cycle Status: Capability

Electronic, 2 C #12 Str TC, PE Ins, OS, SWA, LSZH, Eca

 [Request Sample](#)

Product Description

Electronic, 2 Conductor 12AWG (19x25) 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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Product Life Cycle

Life Cycle:	Capability - the product is not yet standardly available for orders but can be manufactured
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Construction Details

Conductor

Size	Stranding	Material
12 AWG	19x25	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene	4.17 mm (0.164 in)	Black & Transparent

Inner Shield

Shield Type	Material
Tape	Bi-Laminate (Alum+Poly)

Inner Jacket

Material	Nom. Diameter	Color
LSZH - Low Smoke Zero Halogen (Flame Retardant)	10.2 mm (0.402 in)	Chrome

Armor

Armor Type & Material	Armor Thickness	Coverage
SWA - Steel Wire Armor	1.25 mm	95%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.3 mm (0.051 in)	15.3 mm (0.602 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
1.78 Ohm/1000ft (5.84 Ohm/km)	25 pF/ft (82 pF/m)	49 pF/ft (160 pF/m)	30 A

Nom Outer Shield DCR:	2.14 Ohm/1000ft (7.02 Ohm/km)
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Mechanical Characteristics

Temperature

Operating	Installation	Storage
-15°C To +80°C	-15°C To +80°C	-15°C To +80°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Eca, Indoor, Outdoor, Oil Resistance - IEC 60811-404
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
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 , IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment)
UK Regulation Compliance:	UKCA Mark

Product Notes

Notes:	This is a preliminary Technical Design Specification (TDS). The minimum business quantity to offer is 8km for the first order. This product will have Black as standard color and 305mt 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. Please liaise with your Belden representative for confirmation.
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History

Update and Revision:	Revision Number: 0.2 Revision Date: 09-29-2026
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