



Product: [8718NH](#) 

Life Cycle Status: Capability

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

 [Request Sample](#)

Product Description

Electronic, 2 Conductor 12AWG (19x25) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, CPR Eca

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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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

Element	No. of Elements	Stranding	Material
Pair(s)	1	19x25	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene	0.037 in (0.94 mm)	0.164 in (4.17 mm)	Black & Clear

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	14 AWG (19x26) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.9 mm (0.035 in) mm	10.2 mm (0.40 in)

Overall Cable Diameter (Nominal):	0.40 in (10 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Conductor(s)	5.9 Ohm/1000ft (19 Ohm/km)	25 pF/ft (82 pF/m)	160 pF/ft (520 pF/m)	0.2 µH/ft (0.66 µH/m)	30 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
600 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
2.0 in (51 mm)	4.0 in (100 mm)

Max. Pull Tension:	910 N (47 lbf)
Bulk Cable Weight:	140 kg/km (94lbs/1000ft)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca, Indoor, Non-Halogenated, Sunlight Resistance, Oil Resistance - IRM 902 70°Cx4h
Flammability / Reaction to Fire:	UL horizontal flame test, IEC 60332-1-2
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 , 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), EU Directive 2011/65/EU (RoHS 2)
UK Regulation Compliance:	UKCA Mark

Product Notes

Notes:	This is a preliminary Technical Design Specification (TDS). The minimum business quantity to offer is 3km for the first order. This product will have Chrome 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 8720NH. Please liaise with your Belden representative for confirmation.
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History

Update and Revision:	Revision Number: 0.1 Revision Date: 09-08-2026
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