



Product: [9773ELW](#)

Audio, Control & Instrument, #18-3pr, LSZH Ins, Individ. Foil, LSZH Jkt, Cca

Product Description

Audio, Control & Instrument Cable, 18 AWG stranded (16x30) tinned copper conductors, LSZH insulation, 3 twisted pairs, individually shielded with Beldfoil® (100% coverage), 20 AWG stranded tinned copper drain wire, LSZH jacket, CPR Cca

Technical Specifications

Product Overview

Suitable Applications:	Low Voltage Analog Signals (4-20ma, 0-10v, ...); Low Voltage Digital Control (24v, ...); Line Level Audio; Computer Communication; Panel Wiring
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	3	18 AWG	16x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Pair(s)	LSZH - Low Smoke Zero Halogen (Flame Retardant)	2.1 mm (0.083 in)	Black & Red, Black & White, Black & Green

Inner Shield

Element	Material	Coverage	Drainwire Type	Notes
Pair(s)	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC	each pair

Outer Jacket

Separator	Nom. Thickness	Nom. Diameter
Polyester Tape	1.0 mm (0.039 in)	10.1 mm (0.398 in)

Overall Cable Diameter (Nominal):	0.397 in (10.1 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	22.3 Ohm/km (6.80 Ohm/1000ft)	27 Ohm/km (8.2 Ohm/1000ft)	98 pF/m (30 pF/ft)	180 pF/m (55 pF/ft)	50 Ohm	66%	3.6 Amps per Conductor at 25°C

Mechanical Characteristics

Temperature

Operating	Installation
-30°C to +70°C	-20°C To +70°C

Bend Radius

Stationary Min.	Installation Min.
2.0 in (51 mm)	100 mm (3.9 in)

Max. Pull Tension:	225 N (50.6 lbf)
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Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Cca-s1,d1,a1
NEC / UL Compliance:	Article 800
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 60%
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 µS/mm, 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), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.12 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
9773ELW.00500	Chrome	Reel	500 m	8719605214973

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