

Product: 8723LW

Audio, Control & Instrument, #22-2pr, PO, Indiv. Foil, LSZH Jkt, Cca

Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	2

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
PP - Polypropylene	1.17 mm	0.05 mm

Color Chart

Number	Color
Pair 1	Black & Red
Pair 2	Green & White

Inner 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® (Z-Fold®)	100%	9 µm	TC - Tinned Copper	AWG24/7	7x32

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.60 mm	1.1 mm

Construction and Dimensions

Stranding

Twists
8 twist/ft

Cabling

Description
2 pairs twisted to cable core

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Inner Shield DCR
15 Ohm/1000ft	49.2 Ohm/km	54.5 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
114.8 pF/m	203.4 pF/m

Inductance

Nominal Pair Inductance
0.56 µH/m

Impedance

Nominal Characteristic Impedance
45 Ohm

Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
66 ns/100m	66%

Current

Element	Max. Recommended Current [A]
Conductor(s)	2.3 Amps per Conductor

Voltage

Voltage Rating [V]
300 V

Temperature Range

Installation Temperature Range:	-15°C To +80°C
Storage Temperature Range:	-45°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

Oil Resistance:	IEC 60811-404
Max. Pull Tension:	226 N
Min. Bend Radius During Installation:	56 mm
Min. Bend Radius/Minor Axis:	2 in

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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Non-Halogenated:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, 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
8723LW.00500	Chrome	Reel	500 m	8719605180162

History

Update and Revision:	Revision Number: 0.55 Revision Date: 02-03-2025

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