



Product: [8723LS](#)

Electronic, 2PR #22 Str TC, PO ins, IF, LSNH Jkt, 300V, SWA

Product Description

Electronic, 2 Pair AWG 22 Tinned Copper - Stranded, Polyolefin (PO, PE, PP) insulation, Individually Foiled + No Overall shielding, LSZH / FRNC jacket , 300V, SWA

Technical Specifications

Product Overview

Environmental Space:	Indoor
Suitable Applications:	Instrumentation and computer cable; For data transmission applications

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 Material

Type	Material	Material Trade Name	Thickness of Foil	Drainwire Material	Drainwire AWG
Tape	Aluminum / Polyester	Beldfoil® (Z-Fold®)	9 / 12 µm	Tinned copper	AWG24/7

Inner Jacket Material

Material	Color	Nominal Diameter	Nominal Wall Thickness
FRNC / LSZH (UV stabilised)	Chrome (RAL 7037)	4.55 mm	0.65 mm

Outer Shield Material

Material
Aluminum/Polyester

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	8.8 mm	1.25 mm

Construction and Dimensions

Cabling

Description

2 pairs twisted to cable core

Armor

Type of Armor	Material	Thickness of Armoring Wires	Coverage Percentage
Steel Wire Armoring	Galvanized steel wire	0.9 mm	Min. 95 %

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR
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 μ H/m

Impedance

Nominal Characteristic Impedance
45 Ohm

Current

Element	Max. Recommended Current [A]
Conductor	2.3 A

Voltage

Voltage Rating [V]
300 V

Temperature Range

Installation Temp Range:	-15°C To +80°C
Storage Temp 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
Min Bend Radius During Installation:	132 mm

Standards

CENELEC Compliance:	EN 50290-2-27
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Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
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Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-3-24
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
8723LS.001000	Black	1,000 m
8723LS.00500	Black	500 m

History

Update and Revision:	Revision Number: 0.173 Revision Date: 01-31-2020
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