



**Part Number: 9502LS**

Paired Computer Cables Computer Cables for RS-232 Applications, 300 V, +80 °C, Overall Beldfoil® Shield

**Product Description**

24 AWG, Stranded (7 x 32) TC Conductors, Polyethylene Insulation, Overall Beldfoil® Shield, 24 AWG Stranded TC Drain Wire, Chrome LSZH Jacket, 2 Pairs, Steel Wire Armor

**Technical Specifications**

**Product Overview**

Environmental Space:	Outdoor
Suitable Applications:	RS-232 Instrumentation and computer cable; For EIA RS-232 data transmission applications

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Pairs
24	7x32	TC - Tinned Copper	2

Conductor Count:	4
Total Number of Pairs:	2
Conductor Size:	24 AWG

**Insulation**

Material	Nominal Diameter	Diameter +/- Tolerance
Polyethylene	1.12 mm	0.05 mm

**Color Chart**

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

**Inner Shield Material**

Type	Material	Material Trade Name	Drainwire Material	Drainwire AWG
Tape	Aluminum / Polyester	Beldfoil®	Tinned copper	AWG24/7

**Inner Jacket Material**

Material	Color	Nominal Diameter	Diameter +/- Tolerance	Min. Wall Thickness	Nominal Wall Thickness
FRNC / LSZH	Chrome (RAL 7037)	5.81 mm	0.25 mm	0.83 mm	0.9 mm

**Outer Jacket Material**

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	Black	10 mm	1.3 mm

**Construction and Dimensions**

**Cabling**

Description
2 pairs twisted to cable core

**Armor**

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

### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
78.7 Ohm/km	55.8 Ohm/km

### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
98.4 pF/m	164 pF/m

### Impedance

Frequency [MHz]	Nominal Characteristic Impedance
N/A	75 Ohm

### Current

Element	Max. Recommended Current [A]
Conductor	1.76 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:	150 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
9502LS.001000	Black	1,000 m
9502LS.00305	Black	305 m
9502LS.00500	Black	500 m
9502LS.K0305	Black	305 m

## History

Update and Revision:	Revision Number: 0.143 Revision Date: 12-12-2018
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