



Part Number: 8760LS

Audio, Control and Instrumentation Cable Overall Beldfoil® Shield

Product Description

18 AWG, Stranded (19 x 30) TC Conductors, Polyethylene Insulation, Overall Beldfoil® Shield, 20 AWG Stranded TC Drain Wire, Chrome LSZH Jacket, Steel Wire Armor

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
18	16x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	18 AWG

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
Polyethylene	2.08 mm	0.05 mm

Color Chart

Number	Color
Pair 1	Black & Clear

Inner Shield Material

Type	Material	Material Trade Name	Drainwire Material	Drainwire AWG
Tape	Aluminum/Polyester Foil	Beldfoil®	Tinned Copper	AWG20/7

Inner Jacket Material

Material	Color	Nominal Diameter	Nominal Wall Thickness
FRNC / LSZH	Chrome (RAL 7037)	6 mm	0.89 mm

Outer Jacket Material

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	Black	10.4 mm	1.3 mm

Construction and Dimensions

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

21.3 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
98 pF/m	144.4 pF/m

Inductance

Nominal Inductance

0.591 μ H/m

Impedance

Nominal Characteristic Impedance

60 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]

66 %

Current

Element	Max. Recommended Current [A]
Conductor	5.3 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:	156 mm

Standards

GENELEC 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, LS0H, 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
8760LS.001000	Black	1,000 m
8760LS.00500	Black	500 m

History

Revision Number:	8
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