



**Part Number:** 8760LS.001000

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

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
18	16xAWG30	Tinned copper	1

<b>Total Number of Conductors:</b>	2
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#### Insulation:

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

#### Color Chart 1:

Number	Color
Pair 1	Black & Clear

#### Innerjacket:

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

#### Outershield 1:

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

### Outerjacket 1:

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

### 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

### Impedance:

Nominal Characteristic Impedance
60 Ohm

### Delay:

Nominal Velocity of Propagation (VP) [%]
66 %

### Current:

Element	Max. Recommended Current [A]
Conductor	5.3 A

### Inductance:

Nominal Inductance
0.591 µH/m

### Voltage:

Voltage Rating [V]
300 V

## Use

Oil Resistance:	IEC 60811-404
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## Safety

ISO/IEC Flammability:	IEC 60332-3-24
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## Temperature Range

Operating Temp Range (Flexible Install):	-15 to +80 °C
Operating Temp Range (Fixed Install):	-45 to +80 °C
Installation Temp Range:	-15 to +80 °C
Storage Temp Range:	-45 to +80 °C

## Mechanical Characteristics

Min Bend Radius During Installation:	156 mm
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## Standards

CENELEC Compliance:	EN 50290-2-27
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## History

Revision Number:	8
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## Product Variants

Part Number	Color	Put-Up Type	Length
8760LS.001000	BLACK	Reel	1000 m
8760LS.00500	BLACK	Reel	500 m

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