



**Product:** [8760LS](#)

Electronic, 1PR #18 Str TC, PO ins, OS, LSNH Jkt, 300V, SWA

## Product Description

Electronic, 1 Pair AWG 18 Tinned Copper - Stranded, Polyolefin (PO, PE, PP) insulation, Foil(s) or Copper Tape(s) shielding, LSZH / FRNC jacket , 300V, SWA

## Technical Specifications

### Product Overview

Suitable Applications:	Instrumentation and computer cable; For data transmission applications
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
18	16x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

#### Insulation

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

#### Color Chart

Number	Color
Pair 1	Black & Clear

#### Inner Shield

Type	Material	Material Trade Name	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	TC - Tinned Copper	AWG20/7

#### Inner Jacket

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	Chrome (RAL 7037)	6 mm	0.89 mm

#### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	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
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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 µH/m

#### Impedance

Nominal Characteristic Impedance
60 Ohm

#### Delay

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

#### Current

Element	Max. Recommended Current [A]
Conductor(s)	5.3 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
Min. Bend Radius During Installation:	156 mm

### Standards

CPR Euroclass:	Dca-s1,d1,a1
GENELEC Compliance:	EN 50290-2-20

### Applicable Environmental and Other Programs

Environmental Space:	Indoor, Indoor/Outdoor, Outdoor, Indoor/Outdoor - Euroclass Dca
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### Suitability

Suitability - Sunlight Resistance:	Yes
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### Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-3-24
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:	60%

### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	EAN
8760LS.00500	Black	Reel	500 m	8719605018861
8760LS.001000	Black	Reel	1,000 m	8719605018854

### History

Update and Revision:	Revision Number: 0.245 Revision Date: 02-03-2025
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