



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

Electronic, 2 C #18 Str TC, PE Ins, OS, LSZH Jkt, Cca

[Request Sample](#)

## Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, CPR Cca

## Technical Specifications

### Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	2
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#### Insulation

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

#### Color Chart

Number	Color
Pair 1	Black & Clear

#### Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	20	7x28

#### Outer Jacket

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	Chrome (RAL 7037)	6.0 mm	0.89 mm

### 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 pF/m

#### Inductance

Nominal Inductance
0.591 µH/m

#### Current

Element	Max. Recommended Current [A]

Conductor(s) 5.2 Amps per Conductor at 25°C

#### Voltage

##### Voltage Rating [V]

300 V

#### Temperature Range

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

Max. Pull Tension: 280 N

Min. Bend Radius/Minor Axis: 60 mm

#### Standards

CPR Euroclass: Cca-s1,d1,a1

CENELEC Compliance: EN 50290-2-20

#### Applicable Environmental and Other Programs

Environmental Space: Indoor - Euroclass Cca

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (RoHS 2): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU CE Mark: Yes

#### Suitability

Suitability - Indoor: Yes

Suitability - Non-Halogenated: Yes

Suitability - Sunlight Resistance: Yes

#### Flammability, LSOH, Toxicity Testing

IEC Flammability: IEC 60332-1-2

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%

#### Plenum/Non-Plenum

Plenum (Y/N): No

#### Related Part Numbers

#### Variants

##### Item #

8760ELW.00500

8760ELW.01500

Footnote: C - CRATE REEL PUT-UP.

#### History

Update and Revision: Revision Number: 0.45 Revision Date: 02-03-2025

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