



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

Electronic, 2 C #18 Str TC, PE Ins, OS, LSZH Jkt B2ca

## Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, CPR B2ca

## 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
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## Voltage

### Voltage Rating [V]

300 V
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## 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:	B2ca-s1,d,1,a1
CENELEC Compliance:	EN 50290-2-20

## Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass B2ca
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%

## History

Update and Revision:	Revision Number: 0.32 Revision Date: 02-15-2024
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