



Product: [8760NH](#) 

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

Product Description

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

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass B2ca
Suitable Applications:	Instrumentation and computer cable; For data transmission applications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
18	16x30	TC - Tinned Copper	2	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

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	9 / 12 µm	TC - Tinned Copper	20	7x28 mm

Outer Jacket Material

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	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

Impedance

Nominal Characteristic Impedance

57 Ohm

Current

Element Max. Recommended Current [A]

Conductor 5.2 Amps per conductor @ 25C

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

Bulk Cable Weight: 27 lbs/1000ft

Max Recommended Pulling Tension: 280 N

Min Bend Radius/Minor Axis: 60 mm

Standards

CPR Euroclass: B2ca-s1,d1,a1

CENELEC Compliance: EN 50290-2-27

Applicable Environmental and Other Programs

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

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

EU Directive 2011/65/EU (ROHS II): Yes

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

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-01-01

Suitability

Suitability - Indoor: Yes

Suitability - Non-Halogenated: Yes

Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability: IEC 60332-3-24

Amount of Halogen acc. to IEC 60754-1 & EN50267-1: Zero

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

Item #	Color	Length
8760NH.01500	Black	500 m
8760NH.001000	Chrome	1,000 m
8760NH.00152	Chrome	152 m
8760NH.00305	Chrome	305 m
8760NH.00500	Chrome	500 m
8760NH.K01000	Chrome	1,000 m
8760NH.K0500	Chrome	500 m
8760NH.02500	Orange	500 m

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision:

Revision Number: 0.384 Revision Date: 03-06-2020

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