Product: 8760NH ⧉

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

⠿ Request Sample

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 Pairs
18	16x30	TC - Tinned Copper	1

Conductor Count:	2

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	Alum / Poly	Beldfoil®	100 %	9 / 12 µm	TC - Tinned Copper	20	7x28

Outer Jacket Material

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

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
Suitability - Sunlight Resistance:	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: 0.396 Revision Date: 04-08-2020