



Product: [8760NH](#)

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

[Request Sample](#)

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
------------------------	---

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	Bi-Laminate (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 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

Bulk Cable Weight: 27 lbs/1000ft

Max. Pull 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

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 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, LSOH, Toxicity Testing

IEC Flammability: IEC 60332-3-24

IEC 60754-1 (EN50267-1)- Halogen Amount: Zero

IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity: 2.5 µS/mm

IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH: 4.3

IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance: 60%

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number**Variants**

Item #	Color	Putup Type	Length	EAN
8760NH.01500	Black	Reel	500 m	8719605018915
8760NH.00152	Chrome	Reel	152 m	8719605018885
8760NH.00305	Chrome	Reel	305 m	8719605018892
8760NH.00500	Chrome	Reel	500 m	8719605018908
8760NH.001000	Chrome	Reel	1,000 m	8719605018878
8760NH.02500	Orange	Reel	500 m	8719605187765

History

Update and Revision:	Revision Number: 0.416 Revision Date: 02-16-2021
----------------------	--

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.