



Product: [8471NH](#)

Electronic, 2 C #16 Str TC, PE Ins, LSZH Jkt

Request Sample

Product Description

Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, PE Insulation, LSZH Outer Jacket

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
16	19x29	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene	2.67 mm	0.05 mm

Color Chart

Number	Color
Pair 1	Black & White

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	7.1 mm	0.89 mm

Construction and Dimensions

Stranding

Twists
6 twist/ft

Cabling

Description
1 pair covered with a polyester foil

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
14.7 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
52 pF/m

Inductance

Nominal Inductance	Nominal Pair Inductance
056 µH/m	0.62 µH/m

Current

Element	Max. Recommended Current [A]
Conductor(s)	7.1 Amps per Conductor

Voltage

UL Voltage Rating	Voltage Rating [V]
300 V RMS	300 V

Temperature Range

Installation Temp Rating:	-15°C To +80°C
Installation Temp Range:	-15°C To +80°C
Storage Temp Range:	-45°C To +80°C
Operating Temp Range:	-20°C To +75°C
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:	32 lbs/1000ft
Max. Pull Tension:	127 N
Min. Bend Radius During Installation:	71 mm
Min. Bend Radius/Minor Axis:	2.5 in

Standards

CPR Euroclass:	Dca-s1,d1,a1
CENELEC Compliance:	EN 50290-2-27

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Non-Halogenated:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
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%
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
8471NH.01500	Blue	Reel	500 m	8719605018359
8471NH.00152	Chrome	Reel	152 m	8719605018328
8471NH.00305	Chrome	Reel	305 m	8719605018335
8471NH.00500	Chrome	Reel	500 m	8719605018342

8471NH.001000	Chrome	Reel	1,000 m	8719605018304
8471NH.001500	Chrome	Reel	1,500 m	8719605018311
8471NH.021000	Green	Reel	1,000 m	8719605148087
8471NH.03305	White	Reel	305 m	
8471NH.03500	White	Reel	500 m	8719605161666
8471NH.031000	White	Reel	1,000 m	8719605161680

History

Update and Revision:	Revision Number: 0.310 Revision Date: 02-04-2022
----------------------	--

© 2022 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.