




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	Nominal Wall Thickness
PE - Polyethylene	2.67 mm	0.05 mm	0.018 in

Color Chart

Number	Color
Pair 1	Black & White

Inner Shield Material

Material
No Shield

Inner Jacket Material

Nominal Wall Thickness
0.89 mm

Outer Shield Material

Material
No Shield

Outer Jacket Material

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
0.17 µH/ft	0.62 µH/m

Current

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

Voltage

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

Temperature Range

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:	B2ca-s1,d1,a1
CENELEC Compliance:	EN 50290-2-27

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass B2ca
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 (EN50267-1)- 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 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance:	60%

UL voltage rating:	300 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

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: 0.298 Revision Date: 08-27-2021
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