Part Number: 70101NH

IDS LSZH



Product Description

22AWG solid bare copper

Technical Specifications

Product Overview

Environmental Space:	Indoor
Suitable Applications:	Instrumentation and computer cable; For data transmission applications such as Profibus DP; Indoor use

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	Solid	BC - Bare Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	22 AWG

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
FPE - Foamed Polyethylene	2.45 mm	0.1 mm

Color Chart

Number	Color
Pair 1	Red & Green

Outer Shield Material

Type	Material	Coverage [%]
Tape	Aluminum/Polyester	
Braid	TC - Tinned Copper	65 %

Outer Jacket Material

Material	Color	Nominal Diameter
LSZH / FRNC	Violet or Gray	7.8 mm

Construction and Dimensions

Cabling

Description	Filler
1 pair and 2 fillers twisted to cable core	Polypropylene (2x)

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
52 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
30 pF/m

Impedance

Frequency [MHz]	Nominal Characteristic Impedance	Nominal Characteristic Tolerance
3 - 20 MHz	150 Ohm	15 Ohm

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
0.2 MHz	0.9 dB/100m
4 MHz	2.2 dB/100m
16 MHz	4.5 dB/100m

Temperature Range

Installation Temp Range:	-15°C To +70°C
Storage Temp Range:	-40°C to +70°C
Operating Temp Range (Flexible Install):	-15°C To +70°C

Mechanical Characteristics

Min Bend Radius During Installation:	78 mm
Min Setting Radius:	39 mm

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2012-07-24

Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color
70101NH.011000	Purple
70101NH.01500	Purple
70101NH.00500	Violet
70101NH.001000	Violet

History

Revision Number:	2

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