Product: 9463NH

Blue Hose, 1PR #20 Str TC, PO ins, F/B, LSNH Jkt,

Product Description

Blue Hose, 1 Pair AWG 20 Tinned Copper - Stranded, Polyolefin (PO, PE, PP) insulation, Foil + Braid(s) shielding, LSZH / FRNC jacket ,

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Eca
Suitable Applications:	Twinaxial instrumentation and computer cable; For data transmission applications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
20	7x28	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance
Polyethylene	1.96 mm	0.05 mm

Color Chart

Number	Color
Pair 1	Clear & Blue

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG
Tape	Aluminum/Polyester	Beldfoil® (Z-Fold®)		9 / 23 µm	TC - Tinned Copper	AWG20/7
Braid	TC - Tinned Copper		55 %			

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	6.35 mm	0.89 mm

Construction and Dimensions

Cabling

Description	Filler
1 pair and 2 fillers twisted to cable core	Polyethylene (2x) (Clear, 1.32 mm)

Electrical Characteristics

Conductor DCR

Max. DCR Unbalance	Nominal Conductor DCR	Nominal Outer Shield DCR
2.53 %	31.2 Ohm/km	13.5 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
64.6 pF/m	118.1 pF/m

Impedance

Frequency [MHz]	Nominal Characteristic Impedance
N/A	78 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
66 %

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
1 MHz	1.97 dB/100m
10 MHz	6.89 dB/100m
50 MHz	11.81 dB/100m
100 MHz	24.61 dB/100m
200 MHz	36.09 dB/100m
400 MHz	52.49 dB/100m

Voltage

Voltage Rating [V]
300 V

Temperature Range

Installation Temp Range:	-15°C To +80°C
Storage Temp Range:	-45°C To +80°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:	ASTMD741
Min Bend Radius During Installation:	63.5 mm

Standards

CPR Euroclass:	Eca
Other Specification:	BS 7655 section 6.1 table 1, LTS 3

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
9463NH.001000	Blue	1,000 m
9463NH.00152	Blue	152 m
9463NH.00305	Blue	305 m
9463NH.00500	Blue	500 m

History

Update and Revision:	Revision Number: 0.163 Revision Date: 01-31-2020

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