


**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

Suitable Applications:	Twinaxial instrumentation and computer cable; For data transmission applications
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### 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
PE - 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	Bi-Laminate (Alum+Poly)	Beldfoil® (Z-Fold®)	55%	9 / 23 µm	TC - Tinned Copper	AWG20/7
Braid	Tinned Copper (TC)		55%			

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	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
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#### 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 Compliance:	BS 7655 section 6.1 table 1, LTS 3

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

#### Suitability

Suitability - Sunlight Resistance:	Yes
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#### 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 (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

#### Part Number

#### Variants

Item #	Color	Putup Type	Length	EAN
9463NH.00152	Blue	Reel	152 m	8719605020710
9463NH.00305	Blue	Reel	305 m	8719605020727
9463NH.00500	Blue	Reel	500 m	8719605020734
9463NH.001000	Blue	Reel	1,000 m	8719605020703

#### History

Update and Revision:	Revision Number: 0.184 Revision Date: 12-18-2020
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