



Product: [9463LS](#) 

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

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	Twinaxial instrumentation and computer cable; For data transmission applications; Suitable for outdoor application (sunlight resistant) and direct burial
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Construction Details

Conductor

Size	Stranding	Material
20	7x28	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene	1.96 mm (0.0772 in)	Clear & Blue

Inner Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	
Braid	Tinned Copper (TC)	55%

Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Color
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.89 mm (0.035 in)	6.35 mm (0.250 in)	Blue (RAL 5012)

Armor

Armor Type & Material	Armor Thickness	Coverage
SWA - Steel Wire Armor	0.9 mm	Min. 95%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.3 mm (0.051 in)	10.75 mm (0.4232 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedence	Nom. Velocity of Prop.
31.2 Ohm/km (9.51 Ohm/1000ft)	64.6 pF/m (19.7 pF/ft)	118.1 pF/m (36.00 pF/ft)	78 Ohm	66%

Nom Outer Shield DCR:	13.5 Ohm/km (4.11 Ohm/1000ft)
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High Frequency (Nominal/Typical)

Frequency	Nom. Insertion Loss (Attenuation) [dB/100m]
1 MHz	1.97
10 MHz	6.89
50 MHz	11.81

100 MHz	24.61
200 MHz	36.09
400 MHz	52.49

Mechanical Characteristics

Temperature

Installation	Storage
-15°C To +80°C	-45°C To +80°C

Bend Radius

Installation Min.
161.25 mm (6.3484 in)

Standards and Compliance

Environmental Suitability:	IndoorIndoor/OutdoorOutdoorIndoor/Outdoor - Euroclass Eca, Sunlight Resistance, Oil Resistance - IRM 902 70°Cx4h, Oil Resistance - IEC 60811-404
Flammability / Reaction to Fire:	IEC 60332-3-24
CEC / C(UL) Compliance:	.
CENELEC Compliance:	EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, 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%

History

Update and Revision:	Revision Number: 0.242 Revision Date: 07-23-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
9463LS.00500	Blue	Reel	500 m	8719605020697
9463LS.001000	Blue	Reel	1,000 m	8719605020673
9463LS.001500	Blue	Reel	1,500 m	8719605020680

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