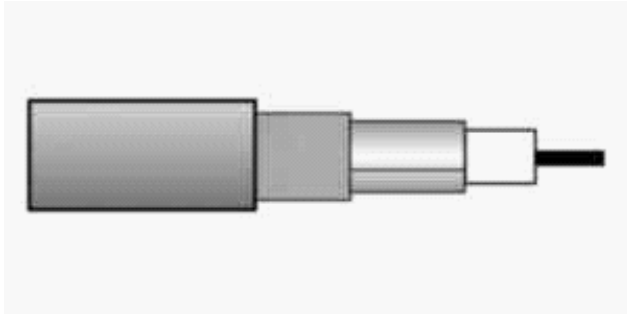


Part Number: 70082NH.00100

COAX RG6/U LSZH HDTV PRECISION VIDEO



Product Description

COAX[1.0/4.6] RG6/U LSZH HDTV EASY CONNECT PRO

Technical Specifications

Suitable Applications:	Low loss HDTV/SDI Digital coax used in analog and digital video circuits and high quality applications; The cable is UV-resistant and suitable for indoor and outdoor use; Use of 1080p/50 applications
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Construction and Dimensions

Conductor:

Stranding	Material	Nominal Diameter	Diameter +/- Tolerance
Solid	Bare copper	1.02 in	0.03 mm

Insulation:

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	Foamed Polyethylene	4.57 mm	0.15 mm

Outershield 1:

Type	Layer	Material	Coverage [%]	Min. Overlap	Nominal Diameter	Coverage +/- Tolerance
Tape, bonded to dielectric	1	Aluminum / Polyester / Aluminum		2 mm		
Braid	2	Tinned copper	80 %		5.3 mm	5 %

Outerjacket 1:

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSZH	6.96 mm	0.2 mm

Min Elongation at Break of Jacket:	125 %
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Min Tensile Strength of Jacket:	9 MPa
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Electrical Characteristics

Conductor DCR:

Max. Conductor DCR	Max. Shield DCR
21 Ohm/km	9.7 Ohm/km

Capacitance:

Nom. Capacitance	Capacitance Tolerance
53 pF/m	2 pF/m

Min Insulation Resistance:	10000 MOhm*km
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Impedance:

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
75 Ohm	3 Ohm

High Frequency (Nominal/Typical):

Element	Frequency [MHz]	Nom. Insertion Loss
	1 MHz	0.8 dB/100m
	10 MHz	2.4 dB/100m
	71.5 MHz	5.6 dB/100m
	135 MHz	7.4 dB/100m
	270 MHz	10.4 dB/100m
	360 MHz	12.1 dB/100m
	540 MHz	15 dB/100m
	720 MHz	17.5 dB/100m
	750 MHz	17.9 dB/100m
	1000 MHz	21 dB/100m
	1500 MHz	26 dB/100m
	2250 MHz	32 dB/100m
	3000 MHz	38 dB/100m
	4500 MHz	48 dB/100m

Max. attenuation 10% higher

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
407 ns/ft	82 %

High Freq:

Frequency [MHz]	Min. RL (Return Loss) [dB]
5 - 1600 MHz	23 dB
1600 - 4500 MHz	21 dB

Voltage:

Voltage Test Dielectric
2 kV DC

Use

Max Recommended Pulling Tension:	300 N
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Safety

ISO/IEC Flammability:	IEC 60332-1-2
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Temperature Range

Installation Temp Range:	-5 to +50 °C
Operating Temp Range:	-30 to +70 °C
Storage Temp Range:	-30 to +70 °C

Mechanical Characteristics

Min Bend Radius (Wo Pulling Strength):	70 mm
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Standards

Other Specification:	SDTV/HDTV
CENELEC Compliance:	EN 50117-1 and EN 50290-2-20

History

Revision Number:	1
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Product Variants

Part Number	Color	Put-Up Type	Length
70082NH.001000	GREEN	Reel	1000 m
70082NH.00100	GREEN	Reel	100 m
70082NH.00500	GREEN	Reel	500 m
70082NH.01500	PURPLE	Reel	500 m
70082NH.10500	BLACK	Reel	500 m
70082NH.00100			

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