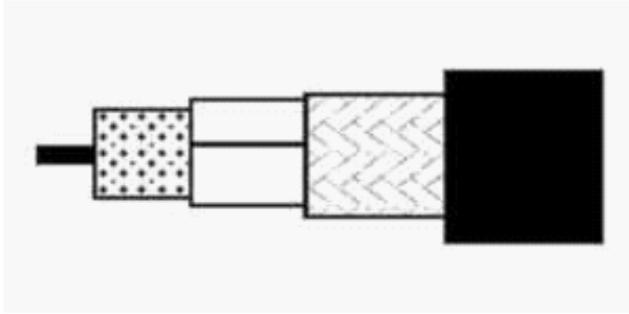


Part Number: 7731ANH.001000

COAXRG11/U LSZH-C HDTV PRECISION VIDEO



Product Description

COAX[1.6/7.2] RG11/U LSZH-C HDTV CLASSICS 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
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Construction and Dimensions

Conductor:

Stranding	Material	Nominal Diameter	Diameter +/- Tolerance
Solid	Bare copper	1.63 in	0.03 mm

Insulation:

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	Foamed Polyethylene	7.11 mm	0.15 mm

Outershield 1:

Type	Layer	Material	Coverage [%]	Min. Overlap	Nominal Diameter	Coverage +/- Tolerance
Tape	1	Aluminum / Polyester / Aluminum		2 mm		
Braid	2	Tinned copper	95 %		7.95 mm	5 %

Outerjacket 1:

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC/ LSZH	10.2 mm	0.2 mm

Min Elongation at Breakof 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
8.2 Ohm/km	4.9 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):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.5 dB/100m
10 MHz	1.5 dB/100m
71.5 MHz	3.6 dB/100m
135 MHz	4.8 dB/100m
270 MHz	6.9 dB/100m
360 MHz	8 dB/100m
540 MHz	10 dB/100m
720 MHz	11.7 dB/100m
750 MHz	12 dB/100m
1000 MHz	14.1 dB/100m
1500 MHz	18 dB/100m
2250 MHz	22.6 dB/100m
3000 MHz	26.9 dB/100m
4500 MHz	34.1 dB/100m

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]	Velocity of Propagation Tolerance
397 ns/ft	84 %	2 %

High Freq:

Frequency [MHz]	Min. RL (Return Loss) [dB]
5 - 850 MHz	23 dB
850 - 3000 MHz	21 dB

Voltage:

Voltage Test Dielectric
2 kV DC

Use

Max Recommended Pulling Tension:	650 N
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Safety

ISO/IEC Flammability:	IEC 60332-3-24
Other Flammability:	CEI 20-22-3

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 (W/o Pulling Strength):	100 mm
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Standards

CENELEC Compliance:	EN 50117-1
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History

Revision Number:	5
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Product Variants

Part Number	Color	Put-Up Type	Length
7731ANH.001000	BLACK	Reel	1000 m
7731ANH.001219	BLACK	Reel	1219 m
7731ANH.00305	BLACK	Reel	305 m
7731ANH.00500	BLACK	Reel	500 m
7731ANH.00600	BLACK	Reel	600 m
7731ANH.00650	BLACK	Reel	650 m
7731ANH.00750	BLACK	Reel	750 m
7731ANH.00800	BLACK	Reel	800 m
7731ANH.009999	BLACK	Reel	304 m
7731ANH.00M30	BLACK	Reel	30 m
7731ANH.00M365	BLACK	Reel	365 m
7731ANH.00M50	BLACK	Reel	50 m
7731ANH.01305	BLACK	Reel	305 m
7731ANH.01500	BLACK	Reel	500 m
7731ANH.021000	GREEN	Reel	1000 m
7731ANH.021219	GREEN	Reel	1219 m
7731ANH.001000	GREEN	Reel	2000 m
7731ANH.001000	GREEN	Reel	1000 m
7731ANH.02500	GREEN	Reel	500 m
7731ANH.029999	GREEN	Reel	499 m
7731ANH.031000	VIOLET	Reel	1000 m
7731ANH.03500	VIOLET	Reel	500 m
7731ANH.04500	CREAM	Reel	500 m
7731ANH.051219	BROWN	Reel	1219 m
7731ANH.059999	BROWN	Reel	1018 m
7731ANH.001000	BLACK	Reel	1000 m
7731ANH.K1305	BLACK	Reel	305 m
7731ANH.K21000	GREEN	Reel	1000 m
7731ANH.001000			

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