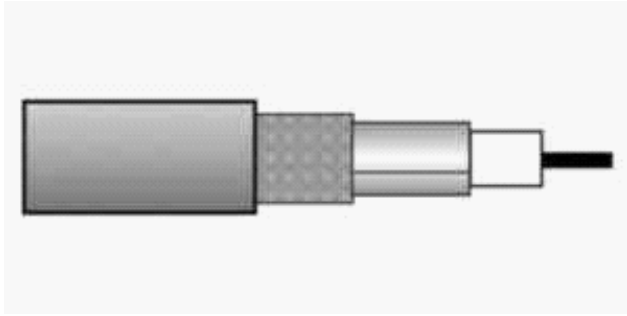


**Part Number:** 70080NH.00100

COAX MINI RG59/U LSZH HDTV PRECISION VIDEO



## Product Description

COAX [0.6/2.8] MINI RG59/U LSZH HDTV EASY CONNECT PRO

## Technical Specifications

<b>Suitable Applications:</b>	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:

AWG	Stranding	Material	Nominal Diameter	Diameter +/- Tolerance
22	Solid	Bare copper	0.65 in	0.02 mm

### Insulation:

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	Foamed Polyethylene	2.9 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 %		3.45 mm	5 %

### Outerjacket 1:

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSZH	4.45 mm	0.2 mm

<b>Min Elongation at Break of Jacket:</b>	125 %
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<b>Min Tensile Strength of Jacket:</b>	9 MPa
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## Electrical Characteristics

### Conductor DCR:

Max. Conductor DCR	Max. Shield DCR
55 Ohm/km	20 Ohm/km

### Capacitance:

Nom. Capacitance
53 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	1.7 dB/100m
	3.6 MHz	2.5 dB/100m
	10 MHz	3.7 dB/100m
	71.5 MHz	8.6 dB/100m
	135 MHz	11.5 dB/100m
	270 MHz	16.1 dB/100m
	360 MHz	18.6 dB/100m
	540 MHz	22.8 dB/100m
	720 MHz	26.4 dB/100m
	750 MHz	26.9 dB/100m
	1000 MHz	31.3 dB/100m
	1500 MHz	38.7 dB/100m
	2250 MHz	48 dB/100m
	3000 MHz	56.1 dB/100m
	4000 MHz	65.7 dB/100m
	4500 MHz	70.2 dB/100m

Max. attenuation 10% higher

### Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
400 ns/ft	84 %

## 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:	160 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 (W/o Pulling Strength):	45 mm
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## Standards

Other Specification:	SDTV/HDTV
GENELEC 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
70080NH.001000	GREEN	Reel	1000 m
70080NH.00100	GREEN	Reel	100 m
70080NH.00305	GREEN	Reel	305 m
70080NH.00500	GREEN	Reel	500 m
70080NH.01500	PURPLE	Reel	500 m
70080NH.02305	RED	Reel	305 m
70080NH.03305	ORANGE	Reel	305 m
70080NH.03500	ORANGE	Reel	500 m
70080NH.04305	YELLOW	Reel	305 m
70080NH.06305	BLUE	Reel	305 m
70080NH.09305	WHITE	Reel	305 m
70080NH.10305	BLACK	Reel	305 m
70080NH.10500	BLACK	Reel	500 m
70080NH.00100	TURQUOISE	Reel	500 m
70080NH.00100			

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