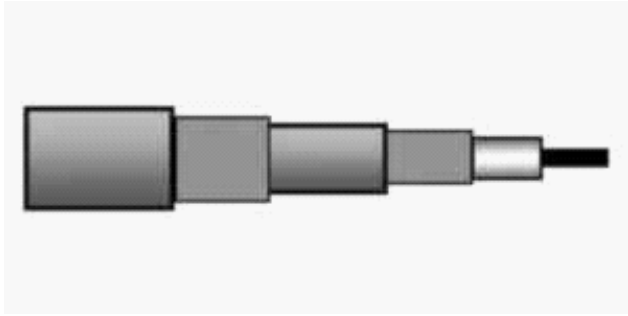


Part Number: 7784ECH

VIDEO TRIAX 11 FRNC/LSNH-C



Product Description

VIDEO TRIAX 11 FRNC/LSNH-C

Product Specifications

Technical Specifications

Application 1:	Low loss HDTV/SDI Digital coax used in analog and digital video circuits and high quality applications
Application 2:	The cable is UV-resistant and suitable for indoor and outdoor use
Application 3:	Use of 1080p/50 applications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter
15	Solid	Bare copper	1.4 in

Insulation:

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	Foamed Polyethylene	6.5 mm	0.2 mm

Outersheild 1:

Type	Material	Nominal Diameter	Min. Coverage [%]
Braid	Bare copper	7.2 mm	80 %

Outerjacket 1:

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSNH	8.5 mm	0.2 mm

Outershield 2:

Type	Material	Nominal Diameter	Min. Coverage
Braid	Bare copper	9.1 mm	80 %

Outerjacket 2:

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSNH	11.3 mm	0.2 mm

Electrical Characteristics**Conductor DCR:**

Max. Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
11.2 Ohm/km	6.5 Ohm/km	7 Ohm/km

Capacitance:

Nom. Capacitance Conductor to Shield
55 pF/m

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.5 db/100m
3.58 MHz	1 db/100m
5 MHz	1.2 db/100m
7 MHz	1.3 db/100m
10 MHz	1.6 db/100m
67.5	4.1 db/100m
71.5	4.3 db/100m
88.5	4.8 db/100m
100	5.2 db/100m
135	6 db/100m
143	6.2 db/100m
180	7.1 db/100m
270	8.7 db/100m
300	9 db/100ft
360 MHz	10.2 db/100ft
540	12.8 db/100ft
720	15 db/100ft
750	15.4 db/100ft
1000	18.2 db/100ft
1500	23 db/100ft
2000	27.4 db/100ft
2250	29.4 db/100ft
3000	35.1 db/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
410 ns/ft	81 %

High Freq:

Frequency [MHz]	Min. SRL (Structural Return Loss)
5 - 850 MHz	23 dB

Inductance:

Nominal Inductance
0.4 μ H/m

Voltage:

Element	Voltage Rating [V]
	400 rms V
Maximum operating	

Screening:

Frequency [MHz]	Min. Screening Attenuation
30 - 850 MHz	75

Use

Max Recommended Pulling Tension:	300 N
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Safety

ISO/IEC Flammability:	IEC 60332-3-24
Other Flammability:	CEI 20-22-3
Amt of Halogen IEC 60754-1 / EN50267-1:	Zero
Amt of Halogen Acid Gas; MaxConductivity:	10 μ S/mm
Amt of Halogen Acid Gas; Min pH:	4.3
Smoke Density; Min Transmittance:	Zero %

Temperature Range

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

Mechanical Characteristics

Min Bend Radius (W/o Pulling Strength):	110 mm
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Part Number

Standards

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

History

Revision Date:	2014-03-10
Revision Number:	5

Product Variants

Part Number	Color	Put-Up Type	Length
7784ECH.001000	RED, RAL 3000	Reel	1000 m
7784ECH.00600	RED, RAL3000	Reel	
7784ECH.011000	RED, RAL 3000	Reel	1000 m
7784ECH.01500	RED, RAL 3000	Reel	500 m
7784ECH.019999	RED, RAL 3000	Reel	475 m

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