


Product: [7784ECH](#) 

## VIDEO TRIAX 11 FRNC/LSZH-C



### Product Description

VIDEO TRIAX 11 FRNC/LSZH-C

### Technical Specifications

#### Product Overview

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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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
15	Solid	BC - Bare Copper	1.4 mm	1

Conductor Count:	1
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##### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	PE - Polyethylene (Foam)	6.5 mm	0.2 mm

##### Inner Shield Material

Type	Material	Coverage [%]	Nominal Diameter
Braid	BC - Bare Copper	80%	7.2 mm

##### Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen flame retardant	8.5 mm	0.2 mm

##### Outer Shield Material

Type	Material	Nominal Diameter	Min. Coverage [%]
Braid	Bare Copper (BC)	9.1 mm	80%

##### Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen flame retardant	11.3 mm	0.2 mm

#### Electrical Characteristics

##### Conductor DCR

Nominal 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

##### Inductance

**Nominal Inductance**

0.4 µH/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 MHz	4.1 dB/100m
71.5 MHz	4.3 dB/100m
88.5 MHz	4.8 dB/100m
100 MHz	5.2 dB/100m
135 MHz	6 dB/100m
143 MHz	6.2 dB/100m
180 MHz	7.1 dB/100m
270 MHz	8.7 dB/100m
300 MHz	9 dB/100m
360 MHz	10.2 dB/100m
540 MHz	12.8 dB/100m
720 MHz	15 dB/100m
750 MHz	15.4 dB/100m
1000 MHz	18.2 dB/100m
1500 MHz	23 dB/100m
2000 MHz	27.4 dB/100m
2250 MHz	29.4 dB/100m
3000 MHz	35.1 dB/100m

**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

**Screening**

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

**Voltage****Voltage Rating [V]**

400 V RMS

Table Notes: Maximum operating

**Temperature Range**

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

**Mechanical Characteristics**

Max. Pull Tension:	300 N
Min Bend Radius (W/o Pulling Strength):	110 mm

**Standards**

GENELEC Compliance:	EN 50117-1 and EN 50290-2-20
Series Type:	Triax 8/11/14

Other Compliance:	SDTV/HDTV
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## Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU RoHS Compliance Date (yyyy-mm-dd):	2014-03-13

## Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-3-24
Other Flammability:	CEI 20-22-3
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance:	IEC 61034-2

## Part Number

### Variants

Item #	Color	Putup Type	Length	EAN
7784ECH.019999	Red	Reel	475 m	8719605014474
7784ECH.01500	Red	Reel	500 m	8719605014467
7784ECH.011000	Red	Reel	1,000 m	8719605014450

## History

Update and Revision:	Revision Number: 0.189 Revision Date: 06-24-2020
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