


Product: [7784ENH](#) 

VIDEO TRIAX 11 FRNC/LSZH



Product Description

VIDEO TRIAX 11 FRNC/LSZH

Technical Specifications

Product Overview

Environmental Space:	Indoor
Suitable Applications:	Triaxial camera cable

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	FPE - Foamed Polyethylene	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
PE - Polyethylene	8.5 mm	0.2 mm

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSZH	11 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 Inductance0.4 μ H/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

Voltage Rating Table Note: 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 Recommended Pulling Tension:	300 N
Min Bend Radius (W/o Pulling Strength):	110 mm

Standards

Series Type:	Triax 8/11/14
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Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2016-05-20
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Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
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Amount of Halogen acc. to IEC 60754-1 & EN50267-1: Zero

Part Number

Variants

Item #	Color	Length
7784ENH.021000	Red	1,000 m
7784ENH.02500	Red	500 m
7784ENH.029999	Red	499 m

History

Update and Revision:	Revision Number: 0.166 Revision Date: 02-17-2020
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