
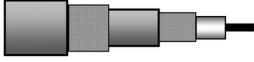


Product: [7783ECH](#) 

VIDEO TRIAX 8 FRNC/LSZH-C



Product Description

VIDEO TRIAX 8 FRNC/LSZH-C

Technical Specifications

Product Overview

Suitable Applications:	Triaxial camera cable
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	1.02 mm	1

Conductor Count:	1
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Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	PE - Polyethylene (Foam)	4.57 mm	0.2 mm

Inner Shield Material

Type	Material	Coverage [%]	Nominal Diameter
Braid	Bare Copper (BC)	80%	5.1 mm

Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.6 mm	0.2 mm

Outer Shield Material

Type	Material	Nominal Diameter	Min. Coverage [%]
Braid	Bare Copper (BC)	7.2 mm	80%

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	8.4 mm	0.2 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
22 Ohm/km	13 Ohm/km	8.5 Ohm/km

Capacitance

Nom. Capacitance Conductor to Shield
52 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	0.7 dB/100m
5 MHz	1.5 dB/100m
10 MHz	2.2 dB/100m
70 MHz	5.7 dB/100m
100 MHz	6.9 dB/100m
140 MHz	8.2 dB/100m
200 MHz	9.8 dB/100m
300 MHz	12.2 dB/100m
400 MHz	14.2 dB/100m
500 MHz	16 dB/100m
700 MHz	19.1 dB/100m
800 MHz	20.5 dB/100m
1000 MHz	23.2 dB/100m
1500 MHz	29 dB/100m
2000 MHz	34 dB/100m
2400 MHz	37.8 dB/100m

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
410 ns/ft	83%

High Freq

Frequency [MHz]	Min. SRL (Structural Return Loss)
5 - 850 MHz	23 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:	250 N
Min Bend Radius (W/o Pulling Strength):	80 mm

Standards

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

Environmental Space:	Indoor
EU RoHS Compliance Date (yyyy-mm-dd):	2012-04-10

Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-3-24
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Part Number**Variants**

Item #	Color	Putup Type	Length	EAN
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7783ECH.01500	Red	Reel	500 m	8719605014177
7783ECH.011000	Red	Reel	1,000 m	8719605014160

History

Update and Revision:	Revision Number: 0.181 Revision Date: 09-30-2020
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