

Part Number: 7784ANH

VIDEO TRIAX 11 LSZH-C



Product Description

VIDEO CAMERA TRIAX 11 SILVERED LSZH-C

Technical Specifications

Product Overview

Environmental Space:	Indoor
Suitable Applications:	Simultaneous transmission of energy and multiplex image signals; Digital or Analog Video Camera to CCU Interconnect; Permanent installation; The cable is UV-resistant and suitable for indoor and outdoor use

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
15	Solid	SPC - Silver Plated Copper	1.4 mm	1

Conductor Count:	1
Conductor Size:	15 AWG

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	SPC - Silver Plated Copper	80 %	7.1 mm

Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH / FRNC	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
LSZH / FRNC	11.2 mm	0.2 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
11 Ohm/km	9 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
5 MHz	1.2 dB/100m
50 MHz	3.6 dB/100m
71.5 MHz	4.3 dB/100m
88.5 MHz	4.8 dB/100m
100 MHz	5.2 dB/100m
180 MHz	7.1 dB/100m
270 MHz	8.8 dB/100m
750 MHz	15.2 dB/100m
1000 MHz	18 dB/100m
1500 MHz	22 dB/100m
2000 MHz	26 dB/100m
2500 MHz	32 dB/100m
3000 MHz	34 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

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

CENELEC Compliance:	EN 50117-1 and EN 50290-2-20
Series Type:	Triax 8/11/14
Other Specification:	SDTV/HDTV

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2013-05-06
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Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-3-24
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color	Length
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7784ANH.011000	Red	1,000 m
7784ANH.013000	Red	3,000 m
7784ANH.01500	Red	500 m
7784ANH.019999	Red	599 m
7784ANH.K1500	Red	500 m

History

Update and Revision:	Revision Number: 0.158 Revision Date: 05-07-2019
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