


Product: [7784ANH](#) 

## VIDEO TRIAX 11 LSZH-C



### Product Description

VIDEO CAMERA TRIAX 11 SILVERED LSZH-C

### Technical Specifications

#### Product Overview

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
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
15	Solid	SC - Silvered 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	Silvered Copper (SC)	80%	7.1 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)	11.2 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  $\mu$ H/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. Pull 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 Compliance:	SDTV/HDTV

**Applicable Environmental and Other Programs**

Environmental Space:	Indoor
EU RoHS Compliance Date (yyyy-mm-dd):	2013-05-06

**Flammability, LS0H, Toxicity Testing**

IEC Flammability:	IEC 60332-3-24
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity:	2.5 $\mu$ S/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

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### Variants

Item #	Color	Putup Type	Length	EAN
7784ANH.01500	Red	Reel	500 m	8719605014290
7784ANH.011000	Red	Reel	1,000 m	8719605014276
7784ANH.013000	Red	Reel	3,000 m	8719605014283

### History

Update and Revision:	Revision Number: 0.189 Revision Date: 09-30-2020
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