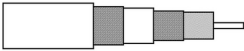


Product: [7785ECH](#) 

VIDEO TRIAX 14 STRANDED LSZH-C



Product Description

VIDEO CAMERA TRIAX 14 STRANDED LSZH-C

Technical Specifications

Product Overview

Suitable Applications:	Triaxial camera cable used to interconnect video cameras to related equipment
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Construction n x D	Nominal Diameter	No. of Coax
12	Stranded	BC - Bare Copper	7x0.75 mm	2.2 mm	1

Conductor Count:	1
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Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	PE - Polyethylene (Foam)	9.7 mm	0.2 mm

Inner Shield Material

Type	Material	Coverage [%]	Nominal Diameter
Braid	Bare Copper (BC)	80%	10.4 mm

Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	11.9 mm	0.2 mm

Outer Shield Material

Type	Material	Nominal Diameter	Min. Coverage [%]
Braid	Bare Copper (BC)	12.6 mm	80%

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	14.5 mm	0.2 mm

Construction and Dimensions

Min Elongation at Breakof Jacket:	125 %
Min Tensile Strength of Jacket:	9 MPa

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
5.7 Ohm/km	6.4 Ohm/km	4.1 Ohm/km

Capacitance

Nom. Capacitance Conductor to Shield

55 pF/m

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.4 dB/100m
10 MHz	1.3 dB/100m
20 MHz	1.7 dB/100m
40 MHz	2.5 dB/100m
50 MHz	2.8 dB/100m
60 MHz	3.1 dB/100m
100 MHz	4.2 dB/100m
270 MHz	7 dB/100m
300 MHz	7.6 dB/100m
540 MHz	10.1 dB/100m
1000 MHz	14.3 dB/100m

Delay

Nominal Velocity of Propagation (VP) [%]
81%

High Freq

Frequency [MHz]	Min. SRL (Structural Return Loss)
5 - 850 MHz	21 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:	550 N
Min Bend Radius (W/o Pulling Strength):	150 mm

Standards

CPR Euroclass:	Eca
Series Type:	Triax 8/11/14

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
EU RoHS Compliance Date (yyyy-mm-dd):	2014-04-18

Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2 and 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:	60%

Part Number

Variants

Item #	Color	Putup Type	Length	EAN
7785ECH.01500	Red	Reel	500 m	8719605014719

7785ECH.011000	Red	Reel	1,000 m	8719605014702
7785ECH.012000	Red	Reel	2,000 m	8719605124777

History

Update and Revision:	Revision Number: 0.182 Revision Date: 09-30-2020
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