

Product: [7784ECH](#) 

7784ECH - Triax 11, 15 AWG Solid BC, Double BC Braids, LSZH-C Jkt



Product Description

Triax 11, 15 AWG Solid Copper Conductor, PE Insulation, 80% Bare Copper Braid Shield, LSZH Insulation, 80% Bare Copper Braid Shield, LSZH Jacket. IEC 60332-3-24.

Technical Specifications

Product Overview

Suitable Applications:	Analog Video; Interconnect camera to CCU (camera control unit)
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Construction Details

Series Type:	Triax 8/11/14
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Conductor

Number of Element	Size	Stranding	Nom. Diameter	Material
1	15 AWG	Solid	1.4 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	6.5 mm (0.26 in)

Inner Shield

Shield Type	Material	Coverage
Braid	Bare Copper (BC)	80%

Inner Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	8.5 mm (0.33 in)

Outer Shield

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	80%

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	11.3 mm

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
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

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
11.2 Ohm/km	6.5 Ohm/km (2.0 Ohm/1000ft)	7 Ohm/km (2.1 Ohm/1000ft)	55 pF/m (17 pF/ft)	75 Ohm	81%

Screening

Frequency	Min. Screening Attenuation
30 - 850 MHz	75 dB

Voltage

Voltage Rating
400 V RMS

Table Notes: Maximum operating

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-30°C To +70°C	-5°C To +70°C	-30°C To +70°C

Bend Radius

Stationary Min.
110 mm (4.3 in)

Max. Pull Tension: 300 N (67 lbf)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2 and IEC 60332-3-24, CEI 20-22-3
CPR Compliance:	CPR Euroclass: Eca
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 60%
CENELEC Compliance:	EN 50117-1 and EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 μS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
Other Standard Compliance(s):	SDTV/HDTV

History

Update and Revision: Revision Number: 0.226 Revision Date: 04-08-2022

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
7784ECH.01500	Red	Reel	500 m	8719605014467
7784ECH.011000	Red	Reel	1,000 m	8719605014450

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