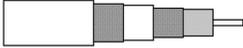




Product: [7785ECH](#)

7785ECH - Triax 14, 11 AWG Str BC, Double BC Braids, LSZH-C Jkt



## Product Description

Triax 14, 11 AWG (7x21) Stranded Bare 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

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	12 AWG	Stranded	2.2 mm	BC - Bare Copper

#### Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	9.7 mm (0.38 in)

#### Inner Shield

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

#### Inner Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	11.9 mm (0.469 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)	14.5 mm

## Electrical Characteristics

#### Attenuation

Frequency	Nom. Attenuation
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

#### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
5.7 Ohm/km	6.4 Ohm/km (2.0 Ohm/1000ft)	4.1 Ohm/km (1.2 Ohm/1000ft)	55 pF/m (17 pF/ft)	75 Ohm	81%

#### Screening

Frequency	Min. Screening Attenuation
30 - 850 MHz	75 dB

## 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.
150 mm (5.9 in)

Max. Pull Tension: 550 N (120 lbf)

## Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-24, CEI 20-22-3
CPR Compliance:	CPR Euroclass: Eca
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 60%
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
UK Regulation Compliance:	UKCA Mark

## History

Update and Revision: Revision Number: 0.219 Revision Date: 12-19-2022

## Part Numbers

#### Variants

Item #	Color	Putup Type	Length	EAN
7785ECH.01500	Red	Reel	500 m	8719605014719
7785ECH.012000	Red	Reel	2,000 m	8719605124777

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