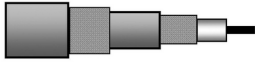




Product: [7783E](#)

7783E - Triax 8, RG-6, 18 AWG SBC, Double BC Braids, PVC Jkt



Product Description

Triax 8, RG-6, 18 AWG Solid Bare Copper Conductor, PE Insulation, 80% Bare Copper Braid Shield, PE Insulation, 80% Bare Copper Braid Shield, PVC Jacket.

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	18 AWG	Solid	1.02 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	4.57 mm (0.180 in)

Inner Shield

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

Inner Jacket

Material	Nom. Diameter
PE - Polyethylene	6.6 mm (0.26 in)

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	8.4 mm

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.7 dB/100m
5 MHz	1.5 dB/100m
10 MHz	2.2 dB/100m
70 MHz	5.7 dB/100m
100 MHz	6.9 dB/100m
140 MHz	8.2 dB/100m
200 MHz	9.8 dB/100m

300 MHz	12.2 dB/100m
400 MHz	14.2 dB/100m
500 MHz	16 dB/100m
700 MHz	19.1 dB/100m
800 MHz	20.5 dB/100m
1000 MHz	23.2 dB/100m
1500 MHz	29 dB/100m
2000 MHz	34 dB/100m
2400 MHz	37.8 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.
22 Ohm/km	13 Ohm/km (4.0 Ohm/1000ft)	8.5 Ohm/km (2.6 Ohm/1000ft)	52 pF/m (16 pF/ft)	75 Ohm	83%

Voltage

Voltage Rating
400 V RMS

Table Notes:	Maximum operating
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Mechanical Characteristics

Temperature

Operating	Installation	Storage
-40°C To +70°C	-5°C To +70°C	-40°C To +70°C

Bend Radius

Stationary Min.
80 mm (3.1 in)

Max. Pull Tension:	250 N (56 lbf)
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Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	IEC 60332-1-2
European Directive Compliance:	EU CE Mark

History

Update and Revision:	Revision Number: 0.213 Revision Date: 04-29-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
7783E.02500	Red	Reel	500 m	8719605014153
7783E.021000	Red	Reel	1,000 m	8719605014146

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