
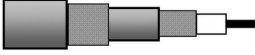


Product: [7784AS](#) 

VIDEO TRIAX 11 PVC



Product Description

VIDEO TRIAX 11 PVC

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 in	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	SC - Silvered Copper	80%	7.1 mm

Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene	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
PVC - Polyvinyl Chloride	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 µH/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:	-40°C To +70°C
Operating Temp Range:	-40°C To +70°C

Mechanical Characteristics

Max. Pull Tension:	300 N
Min Bend Radius (W/o Pulling Strength):	110 mm

Standards

CPR Euroclass:	Eca
CENELEC Compliance:	EN 50117-1
Series Type:	Triax 8/11/14
Other Compliance:	HD-SDI, dual link HD-SDI and 3G-SDI

Applicable Environmental and Other Programs

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

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
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Part Number

Variants

Item #	Color	Putup Type	Length	EAN
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7784AS.02500	Red	Reel	500 m	8719605014375
7784AS.029999	Red	Reel	950 m	8719605014382
7784AS.021000	Red	Reel	1,000 m	8719605014351
7784AS.021525	Red	Reel	1,525 m	8719605014368

History

Update and Revision: Revision Number: 0.182 Revision Date: 06-24-2020

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