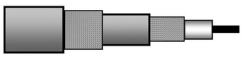
Product: 7783AF

VIDEO TRIAX 8 STRANDED PVC



Product Description

VIDEO TRIAX 8 STRANDED PVC

Technical Specifications

Product Overview

Suitable Applications:	Triaxial camera cable used to interconnect video cameras to related equipment; Triax cables contain 2 isolated shields and a solid or stranded center conductor.; Isolated shields allow the triax cable to provide multiple functions over 1 cable through multiplexing techniques

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Construction n x D	Nominal Diameter	No. of Coax
14	Stranded	SC - Silvered Copper	7x0.32 mm	0.99 mm	1

Conductor Count:	1

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	PE - Polyethylene (Foam)	4.52 mm	0.2 mm

Inner Shield Material

Type	Material	Coverage [%]	Nominal Diameter
Braid	Silvered Copper (SC)	80%	5.1 mm

Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene	6.6 mm	0.2 mm

Outer Shield Material

Type	Material	Nominal Diameter	Min. Coverage [%]
Braid	Bare Copper (BC)	7.2 mm	80%

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
PVC - Polyvinyl Chloride	8.4 mm	0.2 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
32 Ohm/km	14 Ohm/km	9 Ohm/km

Capacitance

Nom. Capacitance Conductor to Shield
52 pF/m

Inductance

Nominal Inductance
0.4 µH/m

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.6 dB/100m
10 MHz	2.2 dB/100m
20 MHz	3.2 dB/100m
40 MHz	4.6 dB/100m
50 MHz	5.1 dB/100m
60 MHz	5.6 dB/100m
100 MHz	7.5 dB/100m
300 MHz	13.8 dB/100m

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
410 ns/ft	83%

High Freq

Frequency [MHz]	Min. SRL (Structural Return Loss)
5 - 850 MHz	21 dB

Screening

Frequency [MHz]	Min. Screening Attenuation
30 - 1000 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:	250 N
Min Bend Radius (W/o Pulling Strength):	80 mm

Standards

Series Type:	Triax 8/11/14

Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU RoHS Compliance Date (yyyy-mm-dd):	2014-03-12

Part Number

Variants

Item #	Color	Putup Type	Length	EAN
7783AF.06500	Black	Reel	500 m	8719605014108
7783AF.04500	Red	Reel	500 m	8719605014078
7783AF.041000	Red	Reel	1,000 m	8719605014061

History

Update and Revision:	Revision Number: 0.174 Revision Date: 09-30-2020

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