


Product: [7785A](#) 

VIDEO TRIAX 14 STRANDED PVC



Product Description

VIDEO CAMERA TRIAX 14 STRANDED SILVERED PVC

Technical Specifications

Product Overview

Suitable Applications:	Triaxial camera cable used to interconnect video cameras to related equipment
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Construction n x D	Nominal Diameter	No. of Coax
12	Stranded	SC - Silvered Copper	7x0.75 mm	2.2 in	1

Conductor Count:	1
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Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	PE - Polyethylene (Foam)	9.7 mm	0.2 mm

Inner Shield Material

Type	Material	Coverage [%]	Nominal Diameter
Braid	Silvered Copper (SC)	80%	10.4 mm

Inner Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene	11.9 mm	0.2 mm

Outer Shield Material

Type	Material	Nominal Diameter	Min. Coverage [%]
Braid	Bare Copper (BC)	12.6 mm	80%

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
PVC - Polyvinyl Chloride	14.5 mm	0.2 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
5.7 Ohm/km	6.4 Ohm/km	4.1 Ohm/km

Capacitance

Nom. Capacitance Conductor to Shield
55 pF/m

Impedance

Nominal Characteristic Impedance
75 Ohm

75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
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

Delay

Nominal Velocity of Propagation (VP) [%]
81%

High Freq

Frequency [MHz]	Min. SRL (Structural Return Loss)
5 - 850 MHz	21 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:	550 N
Min Bend Radius (W/o Pulling Strength):	150 mm

Standards

Series Type:	Triax 8/11/14
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Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU RoHS Compliance Date (yyyy-mm-dd):	1998-01-01

Part Number

Variants

Item #	Color	Putup Type	Length	EAN
7785A.00305	Red	Reel	305 m	8719605014528
7785A.00500	Red	Reel	500 m	8719605014535
7785A.00600	Red	Reel	600 m	8719605014542
7785A.00750	Red	Reel	750 m	8719605014559
7785A.001000	Red	Reel	1,000 m	8719605014511

History

Update and Revision:	Revision Number: 0.173 Revision Date: 09-30-2020
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