

Product: [7784AFP](#) 

## VIDEO TRIAX 11 STRANDED PUR



### Product Description

VIDEO TRIAX 11 STRANDED PUR

### 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
15	Stranded	SC - Silvered Copper	19x0.28 mm	1.42 mm	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	Min. Coverage [%]
Braid	Silvered Copper (SC)	80%	7.1 mm	80%

##### 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
PUR - Polyurethane	11.3 mm	0.2 mm

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
14 Ohm/km	9 Ohm/km	7 Ohm/km

##### Capacitance

Nom. Capacitance Conductor to Shield
54 pF/m

##### Impedance

Nominal Characteristic Impedance

75 Ohm

#### Return Loss (RL)

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

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.5 dB/100m
5 MHz	1.1 dB/100m
10 MHz	1.7 dB/100m
100 MHz	5.6 dB/100m
360 MHz	11.5 dB/100m
750 MHz	17.1 dB/100m

#### Delay

Nominal Velocity of Propagation (VP) [%]
82%

#### High Freq

Min. SRL (Structural Return Loss)
21 dB

#### Screening

Frequency [MHz]	Min. Screening Attenuation
30 - 850 MHz	75 dB

#### Temperature Range

Installation Temp Rating:	-5-+70 °C
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:	270 N
Min Bend Radius (W/o Pulling Strength):	115 mm

#### Standards

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

Environmental Space:	Indoor
EU RoHS Compliance Date (yyyy-mm-dd):	2016-11-01

#### Part Number

#### Variants

Item #	Color	Putup Type	Length	EAN
7784AFP.02500	Black	Reel	500 m	8719605014269
7784AFP.01500	Red	Reel	500 m	8719605014252
7784AFP.012000	Red	Reel	2,000 m	8719605127617

#### History

Update and Revision:	Revision Number: 0.133 Revision Date: 09-30-2020
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