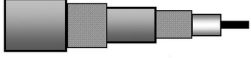


**Part Number: 7784E**

**VIDEO TRIAX 11 PVC**



## Product Description

VIDEO TRIAX 11 PVC

## Technical Specifications

### Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
Suitable Applications:	Triaxial camera cable

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
15	Solid	BC - Bare Copper	1.4 in	1

Conductor Count:	1
Conductor Size:	15 AWG

#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	FPE - Foamed Polyethylene	6.5 mm	0.2 mm

#### Inner Shield Material

Type	Material	Coverage [%]	Nominal Diameter
Braid	BC - Bare Copper	80 %	7.2 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	BC - Bare Copper	9.1 mm	80 %

#### Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
PVC - Polyvinyl Chloride	11 mm	0.2 mm

### Electrical Characteristics

#### Conductor DCR

Max. Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
11.2 Ohm/km	6.5 Ohm/km	7 Ohm/km

#### Capacitance

Nom. Capacitance Conductor to Shield
55 pF/m

## Inductance

### Nominal Inductance

0.4  $\mu$ H/m

## Impedance

### Nominal Characteristic Impedance

75 Ohm

## High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.5 dB/100m
3.58 MHz	1 dB/100m
5 MHz	1.2 dB/100m
7 MHz	1.3 dB/100m
10 MHz	1.6 dB/100m
67.5 MHz	4.1 dB/100m
71.5 MHz	4.3 dB/100m
88.5 MHz	4.8 dB/100m
100 MHz	5.2 dB/100m
135 MHz	6 dB/100m
143 MHz	6.2 dB/100m
180 MHz	7.1 dB/100m
270 MHz	8.7 dB/100m
300 MHz	9 dB/100m
360 MHz	10.2 dB/100m
540 MHz	12.8 dB/100m
720 MHz	15 dB/100m
750 MHz	15.4 dB/100m
1000 MHz	18.2 dB/100m
1500 MHz	23 dB/100m
2000 MHz	27.4 dB/100m
2250 MHz	29.4 dB/100m
3000 MHz	35.1 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

## Voltage

### Voltage Rating [V]

400 V RMS

Voltage Rating Table Note: Maximum operating

## 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 Recommended Pulling Tension:	300 N
Min Bend Radius (W/o Pulling Strength):	110 mm

## Standards

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

EU RoHS Compliance Date (yyyy-mm-dd):	2014-03-13
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## Part Number

### Variants

Item #	Color
7784E.04500	Orange
7784E.031000	Red
7784E.032000	Red
7784E.03500	Red
7784E.03600	Red
7784E.039999	Red
7784E.00305	Red
7784E.00500	Red
7784E.00600	Red
7784E.011000	Red
7784E.012000	Red

## History

Revision Number:	3
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