


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
------------------------	-------------------------------------------------------------------------------

#### 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
------------------	---

##### 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

#### 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
--------------	---------------

#### 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
----------------------	--------------------------------------------------

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.