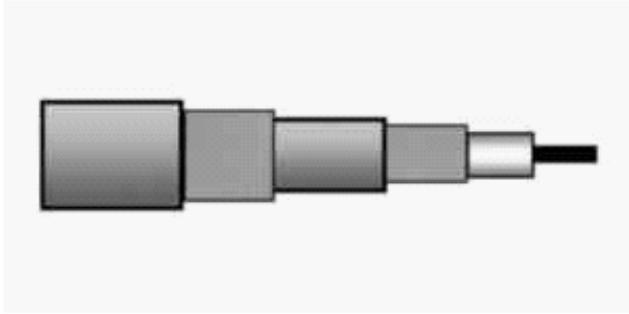


**Part Number:** 7783AF.001000  
VIDEO TRIAX8 STRANDED PVC



## Product Description

VIDEO TRIAX8 STRANDED PVC

## Product Specifications

### Application

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
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## Technical Specifications

### Applicable Patents

Patent:	<a href="http://www.belden.com/p">http://www.belden.com/p</a>
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### Bend Radius

Min Bend Radius (W/o Pulling Strength):	80 mm
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### History

Revision Date (yyyy-mm-dd):	2016-11-02
Revision Number:	4

### Use

Max Recommended Pulling Tension:	250 N
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### Impedance:

Nominal Characteristic Impedance

75 Ohm

**Inductance:**

**Nominal Inductance**

0.4 µH/m

**Conductor DCR:**

**Max. Conductor DCR                      Nominal Inner Shield DCR                      Nominal Outer Shield DCR**

32 Ohm/km                      14 Ohm/km                      9 Ohm/km

**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

**PB HD-SDI Coax Table:**

Description	Part No.	UL NEC/C(UL) CEC Type	Standard Lengths	Standard Unit Weight	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD	Shielding Materials Nom. DCR	Nominal OD	Nom. Imp ()	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Attenuation
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Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
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**VIDEO TRIAX 8 STRANDED PVC**

VIDEO TRIAX 8 STRANDED PVC

SDI/HDTV | NEC: Hard Code | Hard Code | 4.52 mm | Hard code | Silver plated copper | 6.6 mm | Hard Code | 83 % | Hard Code | 1 MHz | 0.6 dB/100m | Hard Code

Digital Video | | | Stranded | | Braid | | 10 MHz | | 2.2 dB/100m | |

| CEC | | 0.99 in | | | 20 MHz | | 3.2 dB/100m | |

| Silver plated copper | | | 40 MHz | | 4.6 dB/100m | |

| | | 50 MHz | | 5.1 dB/100m | |

| Hard Code | | 9 Ohm/km | | 5.6 dB/100m | |

**Capacitance:**

**Nom. Capacitance Conductor to Shield**

52 pF/m

**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

**Innerjacket:****Material**

Polyethylene

**Insulation:**

Type	Material	Nominal Diameter	Diameter +/- Tolerance	
Dielectric	Foamed Polyethylene		4.52 mm	0.2 mm

**Outerjacket 1:**

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

**Conductor:**

Stranding	Material	Construction n x D	Nominal Diameter	
Stranded	Silver plated copper		7x0.32 mm	0.99 in

**Outerjacket 2:**

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

**Outershield 2:**

Type	Material	Nominal Diameter	Min. Coverage
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Braid	Bare copper	7.2 mm	80 %
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## Outershield 1:

Type	Material	Nominal Diameter	Min. Coverage [%]
Braid	Silver plated copper	5.1 mm	80 %

## Product Variants

Part Number	Color	Put-Up Type	Length
7783AF.011000	RED	Reel	1000 m
7783AF.01500	RED	Reel	500 m
7783AF.019999	RED	Reel	499 m
7783AF.02500	ORANGE	Reel	500 m
7783AF.001000			
7783AF.001000	RED	Reel	1000 m
7783AF.001000	RED	Reel	500 m
7783AF.001000	RED	Reel	499 m
7783AF.001000	ORANGE	Reel	500 m
7783AF.001000	BLACK	Reel	500 m
7783AF.K0500	RED	Reel	500 m
7783AF.001000	RED	Reel	500 m
7783AF.001000			

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