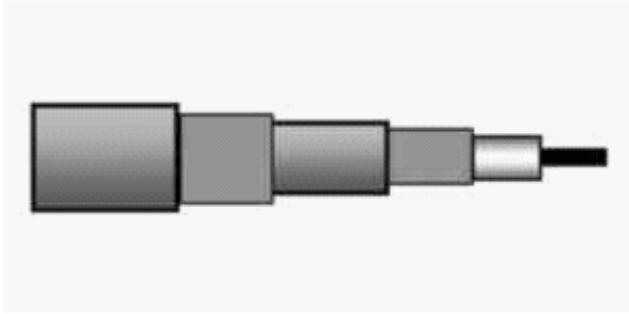


Part Number: 7784ENH.011000

VIDEO TRIAX 11 FRNC/LSZH



Product Description

VIDEO TRIAX 11 FRNC/LSZH

Product Specifications

Application

Suitable Applications:	Triaxial camera cable
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Technical Specifications

Applicable Patents

Patent:	http://www.belden.com/p
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Bend Radius

Min Bend Radius (W/o Pulling Strength):	110 mm
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History

Revision Date (yyyy-mm-dd):	2016-06-21
Revision Number:	8

Safety

ISO/IEC Flammability:	IEC 60332-1-2
Amt of Halogen IEC 60754-1 /EN50267-1:	Zero

Use

Max Recommended Pulling Tension:	300 N
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Impedance:

Nominal Characteristic Impedance	
75 Ohm	

Inductance:

Nominal Inductance	
0.4 μ H/m	

Conductor DCR:

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

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
410 ns/ft	81 %

Voltage:

Element	Voltage Rating [V]
400 msV	
Maximum operating	

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

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
Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
VIDEO TRIAX 11 FRNC/LSZH												
VIDEO TRIAX 11 FRNC/LSZH												

SDI/HDTV	NEC:	Hard Code	Hard Code	15	6.5 mm	Hard code	Bare copper	8.5 mm	Hard Code	81 %	Hard Code	1 MHz	0.5 dB/100m	Hard Code	
Digital Video					Solid		Braid		3.58 MHz			1 dB/100m			
CEC			1.4 in			5 MHz		1.2 dB/100m							
	Bare copper					7 MHz		1.3 dB/100m							
				10 MHz				1.6 dB/100m							
	Hard Code					7 Ohm/km			4.1 dB/100m						

Capacitance:

Nom. Capacitance Conductor to Shield

55 pF/m

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

Innerjacket:

Material

Polyethylene

Insulation:

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

Outerjacket 1:

Material	Nominal Diameter	Diameter +/- Tolerance	
Polyethylene	8.5 mm		0.2 mm

Conductor:

AWG	Stranding	Material	Nominal Diameter
15	Solid	Bare copper	1.4 in

Outerjacket 2:

Material	Nominal Diameter	Diameter +/- Tolerance	
FRNC / LSZH	11 mm		0.2 mm

Outershield 2:

Type	Material	Nominal Diameter	Min. Coverage	
Braid	Bare copper	9.1 mm		80 %

Outershield 1:

Type	Material	Nominal Diameter	Min. Coverage [%]	
Braid	Bare copper	7.2 mm		80 %

Product Variants

Part Number	Color	Put-Up Type	Length
7784ENH.011000	RED, RAL 3000	Reel	1000 m
7784ENH.01500	RED, RAL 3000	Reel	500 m
7784ENH.019999	RED, RAL 3000	Reel	475 m
7784ENH.011000	RED, RAL 3000	Reel	1000 m
7784ENH.011000	RED, RAL 3000	Reel	500 m
7784ENH.011000	RED, RAL 3000	Reel	499 m
7784ENH.011000			

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