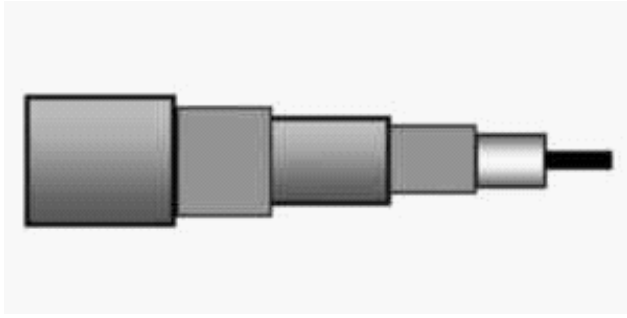


Part Number: 7783ECH

VIDEO TRIAX 8 FRNC/LSNH-C



Product Description

VIDEO TRIAX 8 FRNC/LSNH-C

Product Specifications

Technical Specifications

Application 1:	Triaxial camera cable
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Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter
18	Solid	Bare copper	1.02 in

Insulation:

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	Foamed Polyethylene	4.57 mm	0.2 mm

Outershield 1:

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

Outerjacket 1:

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSNH	6.6 mm	0.2 mm

Outershield 2:

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

Outerjacket 2:

Material	Nominal Diameter	Diameter +/- Tolerance
FRNC / LSNH	8.4 mm	0.2 mm

Electrical Characteristics

Conductor DCR:

Max. Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
22 Ohm/km	13 Ohm/km	8.5 Ohm/km

Capacitance:

Nom. Capacitance Conductor to Shield
52 pF/m

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.7 db/100m
5 MHz	1.5 db/100m
10 MHz	2.2 db/100m
70 MHz	5.7 db/100m
100 MHz	6.9 db/100m
140	8.2 db/100m
200	9.8 db/100m
300	12.2 db/100m
400	14.2 db/100m
500	16 db/100m
700	19.1 db/100m
800	20.5 db/100m
1000	23.2 db/100m
1500	29 db/100ft
2000 MHz	34 db/100ft
2400	37.8 db/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
410 ns/ft	83 %

High Freq:

Frequency [MHz]	Min. SRL (Structural Return Loss)
5 - 850 MHz	23 dB

Inductance:

Nominal Inductance
0.4 μ H/m

Voltage:

Element	Voltage Rating [V]
	400 rms V
Maximum operating	

Use

Max Recommended Pulling Tension:	250 N
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Safety

ISO/IEC Flammability:	IEC 60332-3-24
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Temperature Range

Installation Temp Range:	-5 to +70 °C
Operating Temp Range:	-30 to +70 °C
Storage Temp Range:	-30 to +70 °C

Mechanical Characteristics

Min Bend Radius (W/o Pulling Strength):	80 mm
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Part Number

Standards

History

Revision Date:	2014-03-10
Revision Number:	3

Product Variants

Part Number	Color	Put-Up Type	Length
7783ECH.00600	RED, RAL 3000	Reel	600 m
7783ECH.009999	RED, RAL 3000	Reel	599 m
7783ECH.01500	RED, RAL 3000	Reel	500 m
7783ECH.019999	RED, RAL 3000	Reel	499 m

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