

Product: <u>7712A</u> ☑



VideoFLEX® Snake, RG6, 5 Coax 18 AWG, Riser

Product Description

VideoFLEX® Digital Coax Snake Cable, RG-6, 5 Coax 18 AWG, solid bare copper conductors, foam HDPE core, Duofoil® + 95% tinned copper braid, Riser, PVC jacket.

Technical Specifications

Suitable Applications:			Video M	ult.		
Phys	ical Char	acteri	stics (O\	/erall)		
Conductor						
AWG	Stranding	M	aterial	Nominal	Diameter	No. of Coax
18	Solid	BC - B	are Copper	0.04 in		5
Conductor Count:				5		
nsulat	ion					
Material Nominal Di		iameter				
PE - Polyethylene (Foam) 0.18 in						
Insulation Table Notes:				Gas Inje	atad	

Material Trade Name

Coverage [%]

100%

Braid 2

Layer

Inner Jacket			
	Material	Nominal Diameter	
	PVC - Polyvinyl Chloride	0.275 in	

Tinned Copper (TC)

Tri-Laminate (Alum+Poly+Alum) Duofoil®

Outer Shield



Outer Jacket

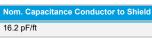
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.97 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Outer Conductor DCR
6.4 Ohm/1000ft	3 Ohm/1000ft	3.0 Ohm/1000ft

Capacitance



Impedance

Nominal Characteristic Impedance 75 Ohm

Return Loss

Frequency [MHz]	Minimum Return (RL)
5 - 1600 MHz	23 dB
1600 - 4500 MHz	21 dB
4500 - 6000 MHz	15 dB

High Frequency (Nominal/Typical)

3		
Frequency [MHz]	Nom. Insertion Loss	
1 MHz	0.24 dB/100ft	
3.58 MHz	0.44 dB/100ft	
5 MHz	0.52 dB/100ft	
7 MHz	0.61 dB/100ft	
10 MHz	0.71 dB/100ft	
67.5 MHz	1.65 dB/100ft	
71.5 MHz	1.69 dB/100ft	
88.5 MHz	1.86 dB/100ft	
100 MHz	1.95 dB/100ft	
135 MHz	2.24 dB/100ft	
143 MHz	2.3 dB/100ft	
180 MHz	2.57 dB/100ft	
270 MHz	3.17 dB/100ft	
360 MHz	3.69 dB/100ft	
540 MHz	4.6 dB/100ft	
720 MHz	5.38 dB/100ft	
750 MHz	5.5 dB/100ft	
1000 MHz	6.42 dB/100ft	
1500 MHz	7.99 dB/100ft	
2000 MHz	9.37 dB/100ft	
2250 MHz	10.01 dB/100ft	
3000 MHz	11.78 dB/100ft	
4500 MHz	14.7 dB/100ft	
6000 MHz	17.7 dB/100ft	

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	82%

Voltage

UL Voltage Rating 300 V RMS

Temperature Range

Non-UL Temp Rating:	75°C
UL Temperature Rating:	60°C
Operating Temperature Range:	-40°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	384 lbs/1000ft
Maximum Recommended Pulling Tension:	345 lbs
Minimum Minor Axis Bend Radius:	10 in

Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	AWM 1354 (each coax), AWM 2688 (overall)
CPR Euroclass:	Eca
RG Type:	6

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Р	Plenum (Y/N):	No

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
7712A B59500	Black, Matte	Reel	500 ft	612825357254
7712A B591000	Black, Matte	Reel	1,000 ft	612825357261
Footnote:			C - 0	RATE REEL PU

History

Update and Revision:	Revision Number: 0.401 Revision Date: 02-03-2025
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