

Product: 7712A ☑



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

Product Overview								
Suitable Applications:			Video Mi	ult.				
Physical Characteristics (Overall)								
Conductor								
AWG	Strandi	ing M	aterial	Nomina	l Diameter	No. of Coa	x	
18	Solid	BC - B	are Copper	0.04 in		5		
Conductor Count:		5						
Insulation								
Material Nominal Diameter								
PE - F	olyethyle	ene (Foam)	0.18 in					
Table Notes:		Gas Inje	cted					
Inner Shield								
Туре	Layer		Material		Material T	rade Name	Coverage [%]	
Таре	1	Tri-Laminat	e (Alum+Pol	ly+Alum)	Duofoil®		100%	

Inner Jacket

Braid 2

Material	Nominal Diameter	
PVC - Polyvinyl Chloride	0.275 in	

Tinned Copper (TC)

Outer Shield



Outer Jacket

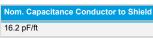
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.97 in

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 (RL)

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 14.1 13 (1 1 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 Temp Rating:	60°C
Operating Temperature Range:	-40°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	384 lbs/1000ft
Max. Pull Tension:	345 lbs
Min. Bend Radius/Minor Axis:	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

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 - CRATE REEL PU				

History

Update and Revision:	Revision Number: 0.400 Revision Date: 04-29-2024
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