



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 Mult.
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	5

Conductor Count:	5
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Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.18 in

Table Notes:	Gas Injected
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Inner Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Tinned Copper (TC)		95%

Inner Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.275 in

Outer Shield

Material
No 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

Nom. Capacitance Conductor to Shield
16.2 pF/ft

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)

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
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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 PUT-UP.
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History

Update and Revision:	Revision Number: 0.399 Revision Date: 12-19-2022
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