



Part Number: 7710A

VideoFLEX® Snake, RG6, #18-3 Coax, CMR

Product Description

VideoFLEX® Digital Coax Snake Cable, Riser-CMR, 3-RG6 18 AWG, solid bare copper conductors, foam HDPE core, Duofoil® +95% tinned copper braid, PVC jacket

Technical Specifications

Suitable Applications:	Video Mult.
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Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	3
Total Number of Conductors:			3	

Insulation:

Material	Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.18 in

Color Chart 3:

Number	Color
1	Red
2	Green
3	Blue

Innershield:

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape-Aluminum Foil	Duofoil®	100 %
Braid	2	TC - Tinned Copper		95 %

Innerjacket:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.275 in

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.746 in

Electrical Characteristics

Conductor DCR:

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

Capacitance:

Nom. Capacitance Conductor to Shield
16.2 pF/ft

Other Electrical Characteristic 1:	Impedance tested in accordance with ASTM D-4566 paragraph 48.2, option 2 using a 75 Ohm fixed bridge and termination.
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Other Electrical Characteristic 2:	Return Loss tested in accordance with ASTM D-4566 paragraph 50.3, using a 75 Ohm fixed bridge and termination.
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Sweep Testing:	Sweep tested 5 MHz to 4.5 GHz.
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Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Norm. 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

Delay:

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

High Freq:

Min. SRL (Structural Return Loss)
23 dB
21 dB

Voltage:

UL Voltage Rating
300V RMS V

Use

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	207 lbs

Safety

UL Flammability:	UL1666 Vertical Shaft
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Temperature Range

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

Mechanical Characteristics

Min Bend Radius/Minor Axis:	8 in
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Part Number

Plenum (Y/N):	No
Suggested Connectors:	Kings2065-10-9 75 Ohm BNC, each coax

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMG
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMR
RG Type:	6/U
UL AWM Style:	UL Style 1354 (each coax); UL Style 2688 (overall)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No

Product Variants

Part Number	Color	Put-Up Type	Length
7710A	BLACK, MATTE	Reel	1000 ft
7710A	MATTE BLACK	Reel	305 m
7710A B591000	BLACK, MATTE	Reel	1000 ft
7710A	BLACK, MATTE	Reel	500 ft
7710A	MATTE BLACK	Reel	152 m
7710A B59500	BLACK, MATTE	Reel	500 ft
7710A			

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