



Part Number: 7796A

VideoFLEX® Snake, RG59, #20-5 Coax, CMR

Product Description

Digital Coax Snake Cable, Riser-CMR, 5-RG59 20 AWG, solid bare copper conductors, foam HDPE core, Duofoil® +95% tinned copper braid, PVC jacket

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	5
Total Number of Conductors:			5	

Insulation:

Material	Nominal Diameter
Gas injected FHDPE - Foam High Density Polyethylene	0.145 in

Color Chart 3:

Number	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow

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	0.233 in

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.79 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Inner Shield DCR
10 Ohm/1000ft	3.8 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 43.2, option 2 using a 75 Ohm fixed bridge and termination.
Other Electrical Characteristic 2:	Return Loss Tested in Accordance With ASTM D-4566 Paragraph 45.3, Using a 75 Ohm Fixed Bridge and Termination.
Sweep Testing:	Sweep tested 5 MHz to 4.5 GHz.

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Norm. Insertion Loss
1 MHz	0.3 dB/100ft
3.6 MHz	0.6 dB/100ft
10 MHz	0.9 dB/100ft
71.5 MHz	2.1 dB/100ft
135 MHz	2.7 dB/100ft
270 MHz	3.8 dB/100ft
360 MHz	4.4 dB/100ft
540 MHz	5.5 dB/100ft
720 MHz	6.4 dB/100ft
750 MHz	6.5 dB/100ft
1000 MHz	7.6 dB/100ft
1500 MHz	9.4 dB/100ft
2500 MHz	12.4 dB/100ft
3000 MHz	13.8 dB/100ft
4500 MHz	18 dB/100ft

Delay:

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

High Freq:

Min. RL (Return Loss) [dB]
23 dB
21 dB

Inductance:

Nominal Inductance
0.107 μ H/ft

Voltage:

UL Voltage Rating
300V RMS V

Use

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	360 lbs

Safety

CSA Flammability:	FT4
UL Flammability:	UL1666 Vertical Shaft

Temperature Range

Non-UL Temp Rating:	75°C °C
Operating Temp Range:	-35°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:	Kings2065-2-9 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:	59/U
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Product Variants

Part Number	Color	Put-Up Type	Length
7796A	BLACK, MATTE	Reel	1000 ft
7796A	MATTE BLACK	Reel	305 m
7796A B591000	BLACK, MATTE	Reel	1000 ft
7796A	BLACK, MATTE	Reel	500 ft
7796A	MATTE BLACK	Reel	152 m
7796A B59500	BLACK, MATTE	Reel	500 ft
7796A			

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