

Part Number: 7794A

VideoFLEX® Snake, RG59, #20-3 Coax, CMR



Product Description

Digital Coax Snake Cable, Riser-CMR, 3-RG59 20 AWG, solid bare copper conductors, foam HDPE core, Duofoil® +95% tinned copper braid, PVC jacket

Product Specifications

AG.Filter Attributes

Total Number of Conductors:	3
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Technical Specifications

AG_0401

UL Flammability:	UL1666 Vertical Shaft
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CSA Flammability:	FT4
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APAC Standard

MII Order #39 (China RoHS):	Yes
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Applicable Patents

Patent:	http://www.belden.com/p
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Bend Radius

Min Bend Radius/Minor Axis:	6.5 in
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CCB-Sub-Part Number

Plenum (Y/N):	No
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Connectors

Suggested Connectors:	Kings 2065-2-9 75 Ohm BNC, each coax
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Contact Information

PHONE_NUM:	1-800-Belden1
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EU Directive

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

General Electrical Parameters

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.

North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMG
NEC/(UL) Specification:	CMR
RG Type:	59/U

Use

Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	216 lbs
Suitability - Indoor:	Yes

Impedance:

Nominal Characteristic Impedance
75 Ohm

Inductance:

Nominal Inductance
0.107 μ H/ft

Conductor DCR:

Nominal Conductor DCR	Nominal Inner Shield DCR
10 Ohm/1000ft	3.8 Ohm/1000ft

Color Chart 3:

Number	Color
1	Red
2	Green
3	Blue

Delay:

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

Voltage:

UL Voltage Rating
300V RMS V

High Freq:

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

Innershield:

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

PB HD-SDI Coax Table:

Description	Part No.	UL NEC/C(UL) CEC Type	Standard Lengths	Standard Unit Weight	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD	Shielding Materials Nom. DCR	Nominal OD	Nom. Imp ()	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Attenuation		
Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m		
Digital Coax Snake Cable, Riser-CMR, 3-RG59 20 AWG, solid bare copper conductors, foam HDPE core, Duofoil® +95% tinned copper braid, PVC jacket														
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SDI/HDTV	NEC:	Hard Code	171 lbs/1000ft	Hard Code	20	0.145 in	Hard code	0.631 in	Hard Code	83 %	Hard Code	1 MHz	0.3 dB/100ft	Hard Code

Digital Video	CMR	Solid	3.6 MHz	0.6 dB/100ft
CEC	0.032 in		10 MHz	0.9 dB/100ft
CMG	BC - Bare Copper		71.5 MHz	2.1 dB/100ft
10 Ohm/1000ft			135 MHz	2.7 dB/100ft
Hard Code				3.8 dB/100ft

Capacitance:

Nom. Capacitance Conductor to Shield

16.2 pF/ft

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. 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

Innerjacket:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.235 in

Insulation:

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

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.631 in

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	3

Other Electrical Information:

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.
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Other Electrical Characteristic 2	Return Loss Tested in Accordance With ASTM D-4566 Paragraph 45.3, 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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Product Variants

Part Number	Color	Put-Up Type	Length
7794A	BLACK, MATTE	Reel	1000 ft
7794A	MATTE BLACK	Reel	305 m
7794A B591000	BLACK, MATTE	Reel	1000 ft
7794A	BLACK, MATTE	Reel	500 ft
7794A	MATTE BLACK	Reel	152 m
7794A B59500	BLACK, MATTE	Reel	500 ft
7794A			

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.