



Part Number: 7798A

VideoFLEX® Snake, RG59, #20-10 Coax, CMR

Product Description

Digital Coax Snake Cable, Riser-CMR, 10-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	10
Total Number of Conductors:			10	

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
6	Brown
7	Orange
8	Gray
9	Purple
10	Black

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	1.166 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:	720 lbs

Safety

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:	11.75 in
-----------------------------	----------

Part Number

Plenum (Y/N):	No
Suggested Connectors:	Kings 2065-2-9 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
7798A	BLACK, MATTE	Reel	1000 ft
7798A	MATTE BLACK	Reel	305 m
7798A B591000	BLACK, MATTE	Reel	1000 ft
7798A	BLACK, MATTE	Reel	500 ft
7798A	MATTE BLACK	Reel	152 m
7798A B59500	BLACK, MATTE	Reel	500 ft
7798A			

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

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