



Part Number: 7792A

VideoFLEX® Snake, Sub-miniature, #23-12 Coax, CMR

Product Description

Digital Coax Snake Cable, Riser-CMR, 12-Sub-miniature 23 AWG, solid bare copper conductors, foam HDPE core, Duofoil® +95% tinned copper braid, PVC jacket

Product Specifications

AG.Filter Attributes

Total Number of Conductors:	12
-----------------------------	----

Technical Specifications

AG_0401

UL Flammability:	UL1666 Vertical Shaft
------------------	-----------------------

CSA Flammability:	FT4
-------------------	-----

APAC Standard

MII Order #39 (China RoHS):	Yes
-----------------------------	-----

Applicable Patents

Patent:	http://www.belden.com/p
---------	---

Bend Radius

Min Bend Radius/Minor Axis:	8.5 in
-----------------------------	--------

CCB-Sub-Part Number

Plenum (Y/N):	No
---------------	----

Connectors

Suggested Connectors:	Kings2065-11-9 75 Ohm BNC, each coax
-----------------------	--------------------------------------

Contact Information

PHONE_NUM:	1-800-Belden1
------------	---------------

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:	Mini

Use

Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	432 lbs
Suitability - Indoor:	Yes

Impedance:

Nominal Characteristic Impedance

75 Ohm

Inductance:

Nominal Inductance

0.106 μ H/ft

Conductor DCR:

Nominal Conductor DCR	Nominal Inner Shield DCR
20.1 Ohm/1000ft	7.6 Ohm/1000ft

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
11	Pink
12	Tan

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 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, 12-Sub-miniature 23 AWG, solid bare copper conductors, foam HDPE core, Duofoil® +95% tinned copper braid, PVC jacket

Digital Coax Snake Cable, Riser-CMR, 12-Sub-miniature 23 AWG, solid bare copper conductors, foam HDPE core, Duofoil® +95% tinned copper braid, PVC jacket

SDI/HDTV	NEC:	Hard Code	310 lbs/1000ft	Hard Code	23	0.102 in	Hard code	0.825 in	Hard Code	83 %	Hard Code	1 MHz	0.4 dB/100ft	Hard Code
----------	------	-----------	----------------	-----------	----	----------	-----------	----------	-----------	------	-----------	-------	--------------	-----------

Digital Video				CMR		Solid				3.6 MHz		0.8 dB/100ft	
---------------	--	--	--	-----	--	-------	--	--	--	---------	--	--------------	--

CEC			0.023 in							10 MHz		1.2 dB/100ft	
-----	--	--	----------	--	--	--	--	--	--	--------	--	--------------	--

CMG			BC - Bare Copper							71.5 MHz		3.1 dB/100ft	
-----	--	--	------------------	--	--	--	--	--	--	----------	--	--------------	--

			20.1 Ohm/1000ft							135 MHz		3.8 dB/100ft	
--	--	--	-----------------	--	--	--	--	--	--	---------	--	--------------	--

			Hard Code									5.4 dB/100ft	
--	--	--	-----------	--	--	--	--	--	--	--	--	--------------	--

Capacitance:

Nom. Capacitance Conductor to Shield

16.5 pF/ft

High Frequency (Nominal/Typical):

Frequency [MHz] | Nom. Insertion Loss

1 MHz	0.4 dB/100ft
-------	--------------

3.6 MHz	0.8 dB/100ft
---------	--------------

10 MHz	1.2 dB/100ft
--------	--------------

71.5 MHz	3.1 dB/100ft
----------	--------------

135 MHz	3.8 dB/100ft
---------	--------------

270 MHz	5.4 dB/100ft
---------	--------------

360 MHz	6.2 dB/100ft
---------	--------------

540 MHz	7.7 dB/100ft
---------	--------------

720 MHz	9.1 dB/100ft
---------	--------------

750 MHz	9.5 dB/100ft
---------	--------------

1000 MHz	10.5 dB/100ft
1500 MHz	13 dB/100ft
2500 MHz	16.9 dB/100ft
3000 MHz	18.5 dB/100ft
4500 MHz	24.6 dB/100ft

Innerjacket:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.159 in

Insulation:

Material	Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.102 in

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.825 in

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
23	Solid	BC - Bare Copper	0.023 in	12

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.
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.

Product Variants

Part Number	Color	Put-Up Type	Length
7792A	BLACK, MATTE	Reel	1000 ft
7792A	MATTE BLACK	Reel	305 m
7792A B591000	BLACK, MATTE	Reel	1000 ft
7792A	BLACK, MATTE	Reel	500 ft
7792A	MATTE BLACK	Reel	152 m
7792A B59500	BLACK, MATTE	Reel	500 ft
7792A			

© 2017 Belden, Inc

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.