


Product: [7792A](#) 



VideoFLEX® Snake, Sub-miniature, 12 Coax 23 AWG, Riser

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

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

Insulation	
Material	Nominal Diameter
PE - Polyethylene (Foam)	0.102 in
Insulation, Table Note:	
Gas Injected	

Inner Shield Material				
Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly / Alum	Duofoil®	100 %
Braid	2	TC - Tinned Copper		95 %

Inner Jacket Material	
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.159 in

Outer Shield Material	
Material	No Shield

Outer Jacket Material	
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.825 in

Electrical Characteristics

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

Capacitance	
Nom. Capacitance Conductor to Shield	
16.5 pF/ft	

Inductance	
Nominal Inductance	
0.106 µH/ft	

Impedance

Nominal Characteristic Impedance
75 Ohm

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
6000 MHz	28.97 dB/100ft

Delay

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

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	75°C
UL Temp Rating:	60°C
Operating Temp Range:	-35°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	310 lbs/1000ft
Max Recommended Pulling Tension:	432 lbs
Min Bend Radius/Minor Axis:	8.5 in

Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca
RG Type:	Mini 59/U Type

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

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Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
7792A B59500	Black, Matte	Reel	500 ft	612825355434
7792A B591000	Black, Matte	Reel	1,000 ft	612825355373

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.266 Revision Date: 04-28-2020
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