

**Part Number: 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

### Product Overview

Environmental Space:	Indoor/Outdoor
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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	12
AWG Size:	23

#### Insulation

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

#### Inner Shield Material

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

#### Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.159 in

#### Outer Shield Material

Material
Unshielded

#### 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 RG-59/U Type

#### Applicable Environmental and Other Programs

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4

## Part Number

Plenum (Y/N):	No
Suggested Connectors:	Kings 2065-11-9 75 Ohm BNC, each coax
Footnote:	C - CRATE REEL PUT-UP.

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