


Product: [1694S6](#) 



VideoFLEX® Snake, Banana Peel, RG6, #18-6 Coax, CMR

Product Description

VideoFLEX® Digital Coax Snake Cable, Riser-CMR, 6-RG6 18 AWG, solid bare copper conductors, foam HDPE core, Duofoil® +95% tinned copper braid, individual PVC jackets, Banana Peel construction

Technical Specifications

Product Overview

Suitable Applications:	RGB, VGA, SVGA, XGA, SXGA, UXGA, HDTV, LCD, Plasma, Digital Signage, Component Video, Video Mult, Animation, Special Effects, Suitable for use in Risers
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	6

Conductor Count:	6
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Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.18 in

Table Notes:	Gas Injected
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Color Chart

Number	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Tinned Copper (TC)		95%

Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.274 in

Outer Jacket Material

Material	Nominal Diameter
Banana Peel (No Overall Jacket)	0.822 in

Construction and Dimensions

Cabling

Filler
Bonded Spline

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Inner Shield DCR	Outer Conductor DCR
6.4 Ohm/1000ft	6.4 Ohm/1000ft	2.8 Ohm/1000ft	2.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.2 pF/ft

Inductance

Nominal Inductance
0.107 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-430 MHz	20 dB
430-510 MHz	15 dB
510-1600 MHz	20 dB
1600-4500 MHz	15 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.24 dB/100ft
3.58 MHz	0.44 dB/100ft
5 MHz	0.52 dB/100ft
7 MHz	0.61 dB/100ft
10 MHz	0.71 dB/100ft
67.5 MHz	1.65 dB/100ft
71.5 MHz	1.69 dB/100ft
88.5 MHz	1.86 dB/100ft
100 MHz	1.95 dB/100ft
135 MHz	2.24 dB/100ft
143 MHz	2.3 dB/100ft
180 MHz	2.57 dB/100ft
270 MHz	3.17 dB/100ft
360 MHz	3.69 dB/100ft
540 MHz	4.6 dB/100ft
720 MHz	5.38 dB/100ft
750 MHz	5.5 dB/100ft
1000 MHz	6.42 dB/100ft
1500 MHz	7.99 dB/100ft
2000 MHz	9.37 dB/100ft
2250 MHz	10.01 dB/100ft
3000 MHz	11.78 dB/100ft
4500 MHz	14.92 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	82%

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
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Mechanical Characteristics

Bulk Cable Weight:	291 lbs/1000ft
Max. Pull Tension:	432 lbs
Min Bend Radius/Minor Axis:	10 in

Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
RG Type:	6/U Type
Series Type:	6

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/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

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
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
1694S6 000500	None	Reel	500 ft	612825356226
1694S6 0001000	None	Reel	1,000 ft	612825356233

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	US PATENT 7049523
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History

Update and Revision:	Revision Number: 0.257 Revision Date: 09-30-2020
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