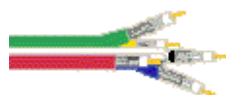


## 1694S5 Coax - VideoFLEX® Snake Cables for Precision Analog &amp; Digital Video



For more Information  
please call

1-800-Belden1

**Description:**

18 AWG solid .040" bare copper conductors, gas-injected foam HDPE insulation, Duofoil® (100% coverage) plus a tinned copper braid shield (95% coverage), individual PVC jackets.

**Usage (Overall)****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

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
5	18	Solid	BC - Bare Copper	.040

**Insulation****Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.180

**Inner Shield****Inner Shield Material:**

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

**Inner Jacket****Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.274

**Inner Jacket Color Code Chart:**

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

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
Unjacketed

**Overall Cable**

Overall Cabling Fillers: Bonded Spline

Overall Nominal Diameter: 0.740 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -35°C To +75°C

## 1694S5 Coax - VideoFLEX® Snake Cables for Precision Analog &amp; Digital Video

UL Temperature Rating:	60°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	235 lbs/1000 ft.
Max. Recommended Pulling Tension:	360 lbs.
Min. Bend Radius (Install)/Minor Axis:	8 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	6/U

## Flame Test

UL Flame Test:	UL1666 Vertical Shaft
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## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)
75

## Nom. Inductance:

Inductance (μH/ft)
0.107

## Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.2

## Nominal Velocity of Propagation:

VP (%)
82

## Nominal Delay:

Delay (ns/ft)
1.24

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.4

## Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
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## 1694S5 Coax - VideoFLEX® Snake Cables for Precision Analog &amp; Digital Video

2.8

## Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.240
3.580	0.440
5.000	0.520
7.000	0.610
10.000	0.710
67.500	1.650
71.500	1.690
88.500	1.860
100.000	1.950
135.000	2.240
143.000	2.300
180.000	2.570
270.000	3.170
360.000	3.690
540.000	4.600
720.000	5.380
750.000	5.500
1000.000	6.420
1500.000	7.990
2000.000	9.370
2250.000	10.010
3000.000	11.780
4500.000	14.920

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## 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.

## Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5	435	20
435	515	15
515	1600	20
1600	4500	15

## Sweep Test

## Sweep Testing:

Sweep tested 5 MHz to 4.5 GHz.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1694S5 0001000	1,000 FT	277.000 LB	NONE	C	BONDED FILLER COMPOSITE
1694S5 000500	500 FT	131.000 LB	NONE	C	BONDED FILLER COMPOSITE

## Notes:

C = CRATE REEL PUT-UP.

## 1694S5 Coax - VideoFLEX® Snake Cables for Precision Analog & Digital Video

Revision Number: 2    Revision Date: 12-07-2009

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