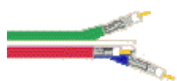


1695S3 Coax - VideoFLEX® Snake Cables for Precision Analog & Digital Video



For more Information
please call

1-800-Belden1



General 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.)
3	18	Solid	BC - Bare Copper	.040

Total Number of Conductors: 3

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP	0.168

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	0.229

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Unjacketed

Overall Cable

Overall Cabling Fillers: Bonded Spline

Overall Nominal Diameter: 0.492 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 129 lbs/1000 ft.

Max. Recommended Pulling Tension: 276 lbs.

Min. Bend Radius/Minor Axis: 5 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification: CMP

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CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
RG Type:	6/U

Flame Test

UL Flame Test:	NFPA 262 Plenum Flame Test (UL910)(FT6)
CSA Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Plenum Number:	1694S3

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
0.106

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)
2.8

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)
50.000	1600.000	23.000
1600.000	4500.000	21.000

Sweep Test

Sweep Testing: Sweep tested 5 MHz to 4.5 GHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1695S3 0001000	1,000 FT	121.000 LB	NONE	C	BONDED FILLER COMPOSITE

ENGLISH MEASUREMENT VERSION

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1695S3 000500	500 FT	67.000 LB	NONE		BONDED FILLER COMPOSITE
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Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 11-01-2013

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