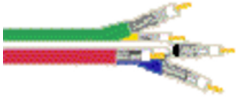


**Part Number: 1505S6**

**VideoFLEX® Snake, Banana Peel, RG59, #20-6 Coax, CMR**



## Product Description

20 AWG solid .032" bare copper conductors, gas-injected foam HDPE insulation, Duofoil® (100% Coverage) plus a tinned copper braid shield (95% coverage), individual PVC jackets.

## Technical Specifications

### Product Overview

Environmental Space:	Indoor/Outdoor
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	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	6

Conductor Count:	6
Conductor Size:	20 AWG

#### Insulation

Material	Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.145 in

#### 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	Aluminum Foil-Polyester Tape-Aluminum Foil	Duofoil®	100 %
Braid	2	TC - Tinned Copper		95 %

#### Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.235 in

#### Outer Jacket Material

Material	Nominal Diameter
Unjacketed	0.699 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
10 Ohm/1000ft	10 Ohm/1000ft		3.8 Ohm/1000ft	3.8 Ohm/1000ft

### Capacitance

Nom. Capacitance Conductor to Shield
16.2 pF/ft

Shielding: Individual Foil + Braid(s) + No Overall shield

### Inductance

Nominal Inductance
0.107 $\mu$ H/ft

### Impedance

Nominal Characteristic Impedance
75 Ohm

### Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-475 MHz	20 dB
475-525 MHz	15 dB
525-850 MHz	20 dB
850-4500 MHz	15 dB

### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft
3.6 MHz	0.6 dB/100ft
10 MHz	0.9 dB/100ft
71.5 MHz	2.1 dB/100ft
135 MHz	2.7 dB/100ft
270 MHz	3.8 dB/100ft
360 MHz	4.4 dB/100ft
540 MHz	5.5 dB/100ft
720 MHz	6.4 dB/100ft
750 MHz	6.5 dB/100ft
1000 MHz	7.6 dB/100ft
1500 MHz	9.4 dB/100ft
2500 MHz	12.4 dB/100ft
3000 MHz	13.8 dB/100ft

### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.22 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:	208 lbs/1000ft
Max Recommended Pulling Tension:	432 lbs
Min Bend Radius/Minor Axis:	10 in

## Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
RG Type:	59/U Type
Series Type:	Series 59
RG / Series Type:	Series 59

### Applicable Environmental and Other Programs

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

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

### 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	Footnote
1505S6 0001000	None	C
1505S6 000500	None	C

Footnote:	C - CRATE REEL PUT-UP.
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