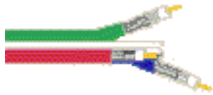


## 1505S3 Coax - RG-59/U Type

For more Information  
please call

1-800-Belden1



### 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.

### 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	20	Solid	BC - Bare Copper	.032

#### Insulation

**Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.145

#### 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	.235

**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:** 0.502 in.

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 60°C

**Non-UL Temperature Rating:** 75°C

<b>Bulk Cable Weight:</b>	97 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	216 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	6.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMR
<b>CEC/C(UL) Specification:</b>	CMG
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2004
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>RG Type:</b>	59/U

### Flame Test

<b>UL Flame Test:</b>	UL1666 Vertical Shaft
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### Suitability

<b>Suitability - Indoor:</b>	Yes
<b>Suitability - Outdoor:</b>	Yes

### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	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 (%)

83

### Nominal Delay:

Delay (ns/ft)

1.22

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.0

### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.8

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.3
3.6	0.6
10	0.9
71.5	2.1
135	2.7
270	3.8
360	4.4
540	5.5
720	6.4
750	6.5
1000	7.6
1500	9.4
2500	12.4
3000	13.8

**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)
5	475	20
475	525	15
525	850	20
850	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
1505S3 0001000	1,000 FT	104.000 LB	NONE	C	BONDED FILLER COMPOSITE
1505S3 000500	500 FT	55.500 LB	NONE	C	BONDED FILLER COMPOSITE

**Notes:**

C = CRATE REEL PUT-UP.

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## 1505S3 Coax - RG-59/U Type

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.