

## 9267 Coax - RG-59/U Type



For more Information  
please call

1-800-Belden1



### Description:

20 AWG solid .032" bare copper conductor, gas-injected foam high density polyethylene insulation, paper tape separator, bare copper braid shields (95% coverage), CSPE - Chlorosulphonated Polyethylene jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	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:

Type	Inner Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

#### Inner Jacket

##### Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PE - Polyethylene	.216

#### Outer Shield

##### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	80

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
CSPE - Chlorosulphonated Polyethylene

Outer Jacket Separator Material: Paper tape

#### Overall Cable

Overall Nominal Diameter: 0.360 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 72 lbs/1000 ft.

Max. Recommended Pulling Tension: 124 lbs.

Min. Bend Radius (Install)/Minor Axis: 3.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU CE Mark:	No
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:	59/U

### Flame Test

UL Flame Test:	VW-1
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### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes - When supported by a messenger wire
Suitability - Burial:	Yes

### Plenum/Non-Plenum

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

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Inductance:

Inductance ( $\mu\text{H}/\text{ft}$ )

.097

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.3

#### Nominal Velocity of Propagation:

VP (%)

82

#### Nominal Delay:

Delay (ns/ft)

1.24

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.1

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.5

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.6

#### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1 0.3

3.6 0.6

10 0.9

71.5	2.1
135	2.9
270	4.2
360	4.8
540	6.0
720	6.7
750	6.9
1000	8.3
1500	10.5
2250	13.4
3000	15.9

**Max. Operating Voltage - Non-UL:**

Voltage
300 V RMS

**Minimum Structural Return Loss:**

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5	850	21
851	3000	15

**Sweep Test**

**Sweep Testing:** 100% Sweep tested 5 MHz to 3 GHz.

**Misc. Information (Overall)**

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9267 0101000	1,000 FT	77.000 LB	BLACK	C	#20 FPE BRD PE BRD CSM
9267 010500	500 FT	39.500 LB	BLACK	C	#20 FPE BRD PE BRD CSM

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 01-07-2011

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