

9275 Coax - 75 Ohm Coax

For more Information  
please call

1-800-Belden1



## Description:

Series 59, 20 AWG solid .032" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duofoil® or Duobond® + aluminum braid shield (40% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

**AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BCCS - Bare Copper Covered Steel	.032

### Insulation

**Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.144

### Outer Shield

**Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	40

### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

**Overall Nominal Diameter:** 0.237 in.

## Mechanical Characteristics (Overall)

**Operating Temperature Range:** -40°C To +80°C

**UL Temperature Rating:** 80°C

**Bulk Cable Weight:** 23 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 80 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 2.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

**NEC/(UL) Specification:** CM, CATV

**CEC/C(UL) Specification:** CM

**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

Series Type: Series 59

### Flame Test

UL Flame Test: UL1685 UL Loading

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
75	± 3

### Nom. Inductance:

Inductance (µH/ft)
.097

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.2

### Nominal Velocity of Propagation:

VP (%)
83

### Nominal Delay:

Delay (ns/ft)
1.2

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
44.5

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
17

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	0.75
55	1.84
211	3.36
270	3.79
300	3.99
350	4.33
400	4.66
450	4.96
550	5.48
750	6.51
870	7.00
1000	7.68

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Typical Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Typical SRL (dB)
		5	550	18

## Notes (Overall)

**Notes:** Sweep tested 5 MHz to 550 MHz.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9275 009U1000	1,000 FT	23.000 LB	WHITE		#20 LDPE/GIFHDLDPPE SH FRPVC
9275 010U1000	1,000 FT	23.000 LB	BLACK		#20 LDPE/GIFHDLDPPE SH FRPVC
9275 010U500	500 FT	12.000 LB	BLACK		#20 LDPE/GIFHDLDPPE SH FRPVC
9275 0101000	1,000 FT	24.000 LB	BLACK		#20 LDPE/GIFHDLDPPE SH FRPVC

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