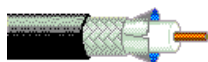


## 9275 Coax - 75 Ohm Coax



For more Information  
please call

1-800-Belden1



### General 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       |

Total Number of Conductors: 1

#### 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: 75°C

Bulk Cable Weight: 22 lbs/1000 ft.

Max. Recommended Pulling Tension: 80 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CATV, CM

CEC/C(UL) Specification: CM

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 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

MIL 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)

75.000

**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.

**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc                  |
|---------------|----------|-------------|-------|-------|----------------------------|
| 9275 009U1000 | 1,000 FT | 23.000 LB   | WHITE |       | #20 LDPE/GIFHDLDP SH FRPVC |
| 9275 010U1000 | 1,000 FT | 23.000 LB   | BLACK |       | #20 LDPE/GIFHDLDP SH FRPVC |
| 9275 010U500  | 500 FT   | 12.000 LB   | BLACK |       | #20 LDPE/GIFHDLDP SH FRPVC |
| 9275 010I1000 | 1,000 FT | 24.000 LB   | BLACK |       | #20 LDPE/GIFHDLDP SH FRPVC |

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<http://moschip.ru/get-element>

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