

## 9913 Coax - RG-8/U Type

For more Information  
please call

1-800-Belden1



### Description:

10 AWG solid .108" bare copper conductor, semi-solid polyethylene insulation, Duobond II® + tinned copper braid shield (90% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	10	Solid	BC - Bare Copper	.108

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (in.)
Semi-Solid PE - Semi-Solid Polyethylene	.286

#### Outer Shield

##### Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded DuoFoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	90

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.405 in.

### Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 97 lbs/1000 ft.

Max. Recommended Pulling Tension: 300 lbs.

Min. Bend Radius (Install)/Minor Axis: 6 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

RG Type: 8/U

### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 89913

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

50

### Nom. Inductance:

Inductance (µH/ft)

.059

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

24.6

### Nominal Velocity of Propagation:

VP (%)

84

### Nominal Delay:

Delay (ns/ft)

1.2

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

.9

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.8

### Nom. Attenuation:

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

5.000 0.400

10.000 0.500

50.000 1.000

100.000 1.400

200.000 1.800

400.000 2.600

700.000 3.600

900.000 4.100

1000.000 4.400

### Max. Power Rating:

Freq. (MHz) Rating (W)

5.000 4021.000

10.000 3217.000

50.000 1609.000

100.000 1149.000

200.000 894.000

400.000 619.000

700.000 447.000

900.000 393.000

1000.000	366.000
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**Max. Operating Voltage - Non-UL:**

<b>Voltage</b>
300 V RMS

### Notes (Overall)

**Notes:** Recommend use of 7810R, 7810A, 9913F7, or 9914 for applications above 1 GHz.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9913 010100	100 FT	14.200 LB	BLACK	C	RG-8/U TYPE COAX
9913 0101000	1,000 FT	116.000 LB	BLACK	C	RG-8/U TYPE COAX
9913 010250	250 FT	31.750 LB	BLACK	C	RG-8/U TYPE COAX
9913 010500	500 FT	57.000 LB	BLACK	C	RG-8/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

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