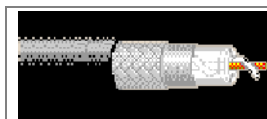


**9913 Coax - RG-8/U Type**



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	0.108

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
Semi-Solid PE - Semi-Solid Polyethylene	0.286

**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 Cabling:**

Overall Nominal Diameter: .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:**

EU CE Mark (Y/N) Yes

EU RoHS Compliant (Y/N) Yes

EU RoHS Compliance Date (mm/dd/yyyy) 01/01/2004

RG Type 8/U

**Suitability:**

Suitability - Indoor Yes

Suitability - Outdoor Yes

Suitability - Aerial Yes

**Plenum/Non-Plenum:**

Plenum (Y/N)	N
Plenum Number	89913

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

Impedance (Ohm)
50.000

Nom. Inductance

Inductance (µH/ft)
0.059

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
24.600

Nominal Velocity of Propagation

VP (%)
84

Nominal Delay

Delay (ns/ft)
1.200

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
0.900

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
1.800

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

Max. Operating Voltage - Non-UL

Voltage
300 V RMS

**Notes (Overall):**

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

**PUT UPS AND COLORS:**

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

**Notes:**

C = CRATE REEL PUT-UP.

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