

## 9913 Coax - RG-8/U Type

For more Information  
please call

1-800-Belden1

**General 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

Total Number of Conductors: 1

**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:	107 lbs/1000 ft.
Max. Recommended Pulling Tension:	300 lbs.
Min. Bend Radius/Minor Axis:	4 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

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
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	8/U
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**Suitability**

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Suitability - Aerial:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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Plenum Number:	89913
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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50
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**Nom. Inductance:**

Inductance (μH/ft)
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.059
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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24.6
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**Nominal Velocity of Propagation:**

VP (%)
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84
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**Nominal Delay:**

Delay (ns/ft)
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1.2
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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.9
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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1.8
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**Nom. Attenuation:**

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

<b>Voltage</b>
600 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	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
9913 0105000	5,000 FT	625.000 LB	BLACK	C	RG-8/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

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