

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
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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)

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.)
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5.000	0.400
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10.000	0.500
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50.000	1.000
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100.000	1.400
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200.000	1.800
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400.000	2.600
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700.000	3.600
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900.000	4.100
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1000.000	4.400
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Max. Power Rating:

Freq. (MHz)	Rating (W)
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5.000	4021.000
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10.000	3217.000
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50.000	1609.000
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100.000	1149.000
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200.000	894.000
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400.000	619.000
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700.000	447.000
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900.000	393.000
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1000.000	366.000
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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.

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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