

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

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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**Description:**

RG-8/U type, 10 AWG solid .108" bare copper conductor, semi-solid polyethylene insulation, Duobond II® + tinned copper braid shield (90% coverage), PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Coax	1
Total Number of Conductors	1
RG Type	8/U
AWG	10
Stranding	Solid
Conductor Diameter	.108 in.
Conductor Material	BC - Bare Copper

**INSULATION:**

Insulation Material	Semi-Solid PE - Semi-Solid Polyethylene
Insulation Diameter	.286 in.

**OUTER SHIELD:**

Outer Shield Material Trade Name	Duobond® II
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	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	PVC - Polyvinyl Chloride
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**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.405 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-40°C To +80°C
Non-UL Temperature Rating	75°C

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Bulk Cable Weight	97 lbs/1000 ft.
Max. Recommended Pulling Tension	300 lbs.
Min. Bend Radius (Install)	6 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

**SUITABILITY:**

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Aerial	Yes

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
Plenum Number	89913

**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.059 $\mu$ H/ft
Nom. Capacitance Conductor to Shield	24.6 pF/ft
Nominal Velocity of Propagation	84 %
Nominal Delay	1.2 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	.9 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	1.8 Ohms/1000 ft

**Nom. Attenuation :**

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	5			.4
	10			.5
	50			1.0
	100			1.4
	200			1.8
	400			2.6
	700			3.6
	900			4.1
	1000			4.4

Max. Power Rating :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power Rating (W)
	5			4021
	10			3217
	50			1609
	100			1149
	200			894
	400			619
	700			447
	900			393
	1000			366

Max. Operating Voltage - Non-UL 300 V RMS

### NOTES:

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

### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9913 010100	RG-8/U TYPE COAX	100	14.2	BLACK	C
9913 0101000	RG-8/U TYPE COAX	1000	116	BLACK	C
9913 010250	RG-8/U TYPE COAX	250	31.75	BLACK	C
9913 010500	RG-8/U TYPE COAX	500	57	BLACK	C

C = CRATE REEL PUT-UP.

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Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)