## **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



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	<b>Conductor Material</b>	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.

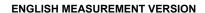
## **Applicable Specifications and Agency Compliance (Overall)**

### **Applicable Standards & Environmental Programs**

EU Directive 2002/96/EC (WEEE):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU CE Mark:	Yes
EU Directive 2011/65/EU (ROHS II):	Yes

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## **Detailed Specifications & Technical Data**





9913 Coax - RG-8/U Type

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	
itability		
Suitability - Indoor:	Yes	
Suitability - Outdoor:	Yes	
Suitability - Aerial:	Yes	
enum/Non-Plenum		
Plenum (Y/N):	No	
Plenum Number:	89913	
	CA Prop 65 (CJ for Wire & Cable):  MII Order #39 (China RoHS):  RG Type:  iitability  Suitability - Indoor:  Suitability - Outdoor:  Suitability - Aerial:  enum/Non-Plenum  Plenum (Y/N):	CA Prop 65 (CJ for Wire & Cable):  MII Order #39 (China RoHS):  RG Type:  8/U  Suitability  Suitability - Indoor:  Yes  Suitability - Outdoor:  Yes  Suitability - Aerial:  Yes  Plenum (Y/N):  No

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



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

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## **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



9913 Coax - RG-8/U Type

400.000	619.000
700.000	447.000
900.000	393.000
1000.000	366.000

#### Max. Operating Voltage - Non-UL:

Voltage 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	С	RG-8/U TYPE COAX
9913 0101000	1,000 FT	116.000 LB	BLACK	С	RG-8/U TYPE COAX
9913 010250	250 FT	31.750 LB	BLACK	С	RG-8/U TYPE COAX
9913 010500	500 FT	57.000 LB	BLACK	С	RG-8/U TYPE COAX
9913 0105000	5,000 FT	625.000 LB	BLACK	С	RG-8/U TYPE COAX

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-08-2012

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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