

**9913**

Part Number: 9913



## Product Description

10 AWG solid .108" bare copper conductor, semi-solid polyethylene insulation, Duobond II® & #43; tinned copper braid shield (90% coverage), PVC jacket.

## Product Specifications

### Conductor

Total Number of Conductors:	1
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## Technical Specifications

### APAC Standard

MIl Order #39 (China RoHS):	Yes
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### Bend Radius

Min Bend Radius/Minor Axis:	4 in
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### CCB-Part Number

Notes:	Recommend use of 7810R, 7810A, 9913F7, or 9914 for applications above 1 GHz.
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### CCB-Sub-Part Number

Plenum (Y/N):	No
Plenum Number:	89913

### Contact Information

PHONE_NUM:	1-800-Belden1
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## EMEA Standard

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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## Environmental Characteristics

Operating Temp Range:	-40°C To +80°C
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## EU Directive

EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

## North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
RG Type:	8/U

## Temperature Range

Non-UL Temp Rating:	75°C
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## Use

Max Recommended Pulling Tension:	300 lbs
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### Impedance:

Nominal Characteristic Impedance
50 Ohm

### Inductance:

Nominal Inductance
0.059 $\mu$ H/ft

### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
0.9 Ohm/1000ft	1.8 Ohm/1000ft

### Power Rating:

Frequency [MHz]	Max. Power Rating [W]
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5 MHz	4,021 W
10 MHz	3,217 W
50 MHz	1,609 W
100 MHz	1,149 W
200 MHz	894 W
400 MHz	619 W
700 MHz	447 W
900 MHz	393 W
1,000 MHz	366 W

**Delay:**

Nominal Delay	Nominal Velocity of Propagation (VP)
1.2 ns/ft	84 %

**Voltage:**

Non-UL Voltage Rating
600V RMS

**Capacitance:**

Nominal Capacitance Conductor to Shield
24.6 pF/ft

**High Frequency (Nominal/Typical):**

Frequency (MHz)	Nom. Insertion Loss
5 MHz	0.4 db/100ft
10 MHz	0.5 db/100ft
50 MHz	1 db/100ft
100 MHz	1.4 db/100ft
200 MHz	1.8 db/100ft
400 MHz	2.6 db/100ft
700 MHz	3.6 db/100ft
900 MHz	4.1 db/100ft

1000 MHz	4.4 db/100ft
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**Insulation:**

Material	Nominal Diameter
Semi-Solid PE - Semi-Solid Polyethylene	0.286 in

**Outerjacket 1:**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.405 in

**Conductor:**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
10	Solid	BC - Bare Copper	0.108 in	1

**Outershield 1:**

Type	Layer	Material	Material Trade Name	Coverage
Tape	1	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	Bonded DuoFoil®	100 %
Braid	2	TC - Tinned Copper		90 %

**Product Variants**

Part Number	Color	Put-Up Type	Length
9913 0101000	BLACK	Reel	1000 ft
9913 010100	BLACK	Reel	100 ft
9913 010250	BLACK	Reel	250 ft
9913 0105000	BLACK	Reel	5000 ft
9913 010500	BLACK	Reel	500 ft

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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.