

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. (mm)
1	10	Solid	BC - Bare Copper	2.7432

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
Semi-Solid PE - Semi-Solid Polyethylene	7.2644

### 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 Cabling

Overall Nominal Diameter: 10.287 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 144.355 Kg/Km

Max. Recommended Pulling Tension: 1334.460 N

Min. Bend Radius (Install)/Minor Axis: 152.400 mm

## 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

RG Type: 8/U

### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 89913

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

50

### Nom. Inductance:

Inductance (µH/m)

0.193579

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

80.7126

### Nominal Velocity of Propagation:

VP (%)

84

### Nominal Delay:

Delay (ns/m)

3.9372

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

2.9529

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

5.9058

### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

5.000 1.312

10.000 1.641

50.000 3.281

100.000 4.593

200.000 5.906

400.000 8.531

700.000 11.812

900.000 13.452

1000.000 14.436

### 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

400.000 619.000

700.000 447.000

900.000 393.000

1000.000	366.000
----------	---------

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

<b>Voltage</b>
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	30 MT	6.441 KG	BLACK	C	RG-8/U TYPE COAX
9913 0101000	305 MT	52.617 KG	BLACK	C	RG-8/U TYPE COAX
9913 010250	76 MT	14.402 KG	BLACK	C	RG-8/U TYPE COAX
9913 010500	152 MT	25.855 KG	BLACK	C	RG-8/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 09-30-2009

© 2011 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

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