

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:

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	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.