



Product: [9913](#)

50 Ohm Wireless Transmission Coax, RG-8, 10 AWG Solid BC, Foil + 90% TC Braid, PVC Jkt

Product Description

50 Ohm Wireless Transmission Coax, RG-8, 10 AWG Solid Bare Copper Conductor , PE Insulation, Foil + 90% Tinned Copper Braid Shield, PVC Jacket

Technical Specifications

Product Overview

Suitable Applications:	Point-to-point and point-to-multipoint wireless antenna communication; Wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low Power FM, GPS, RFID (Radio Frequency Identification)
------------------------	--

Construction Details

RG Type:	8
----------	---

Conductor

AWG	Stranding	Nom. Diameter	Material
10	Solid	0.108 in	BC - Bare Copper

Insulation

Material	Nom. Diameter	Notes
PE - Polyethylene (Semi-Solid)	0.285 in	Solid PE monofilament spiral around conductor. Solid PE tube over monofilament

Outer Shield Material

Layer	Outer Shield Type	Material	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	90%
2	Braid	Tinned Copper (TC)	90%

Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.405 in

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation [dB/100ft]
5 MHz	0.4 dB/100ft
10 MHz	0.5 dB/100ft
50 MHz	1.0 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

Power Rating

Frequency [MHz]	Max. Power Rating [W]
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

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedence
0.9 Ohm/1000ft	1.8 Ohm/1000ft	24.6 pF/ft	50 Ohm

Voltage

Non-UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
-30°C to +75°C

Bend Radius

Installation Min.
4.0 in

Bulk Cable Weight:	89 lbs/1000ft
Max. Pull Tension:	184 lbs

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	89913

Product Notes

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

History

Update and Revision:	Revision Number: 0.330 Revision Date: 08-25-2020
----------------------	--

© 2020 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Coaxial Cables](#) category:

Click to view products by [Belden](#) manufacturer:

Other Similar products are found below :

[89880-003-1000](#) [633948-877-1000](#) [CY2389-000](#) [8213-010-1000](#) [8221-010-U1000](#) [8233-010-1000](#) [88281-010-500](#) [1322R-010-1000](#) [177799-000](#) [1807A-B59-U1000](#) [9167-010-1000](#) [9251-010-1000](#) [9275-010-U1000](#) [935240-000](#) [9659-010-1000](#) [980704-001](#) [CF2823-000](#) [33312-010-500](#) [CZ1589-000](#) [5022W0809-0CS3263](#) [10610-4-4](#) [EF8108-000](#) [1673B TIN100](#) [672525-001](#) [144517-000](#) [8-1616396-1](#) [8263-010-U1000](#) [8263 010U500](#) [8268-010-500](#) [8262 010U1000](#) [7915A 009U1000](#) [5024A1311-0](#) [TRC-75-1](#) [1281S5 010250](#) [1281S5 000250](#) [1530A 010U1000](#) [1505A 0081000](#) [9248 010U1000](#) [CO-142BNCX200-001](#) [7809WB 010500](#) [9244 0101000](#) [1694A 0081000](#) [9204 0101000](#) [8241F J5C1000](#) [1530A 0101000](#) [1674A TIN50](#) [7915A 0091000](#) [7915A 010500](#) [TWCH-78-2](#) [TWC-78-1](#)