


**Product:** [9914](#) 



50 Ohm Wireless Transmission Cable, RG8, 10 AWG, Solid BC, Foil + 95% TC Braid, PVC Jkt, CMG

### Product Description

50 Ohm Wireless Transmission Cable, RG8, 10 AWG, Solid Bare Copper Conductor , PE Insulation, Foil + 95% Tinned Copper Braid Shield, PVC Jacket, CMG rated

### Technical Specifications

#### Product Overview

Suitable Applications:	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	0.103 in	BC - Bare Copper

#### Insulation

Material	Nom. Diameter
PE - Polyethylene (Foam)	0.285

#### Outer Shield Material

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Tinned Copper (TC)		95%

#### Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.403 in

#### Electrical Characteristics

##### VSWR

Frequency [MHz]	Max. VSWR
5-2250 MHz	1.43:1

##### 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

1500 MHz	5.5 dB/100ft
1800 MHz	6.1 dB/100ft
2000 MHz	6.5 dB/100ft
2500 MHz	7.5 dB/100ft
3000 MHz	8.3 dB/100ft
4000 MHz	9.9 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
1,000 MHz	366 W
1,500 MHz	293 W
2,000 MHz	248 W
2,500 MHz	215 W
3,000 MHz	194 W
4,000 MHz	163 W

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedance	Nom. Velocity
1.0 Ohm/1000ft	1.3 Ohm/1000ft	24.8 pF/ft	50 Ohm	82%

#### Voltage

UL Voltage Rating	Non-UL Voltage Rating
30 V RMS (UL AWM Style 1354)	300 V RMS

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
60°C (UL AWM Style 1354)	-30°C to +75°C

#### Bend Radius

Installation Min.
4.0 in

Bulk Cable Weight:	101 lbs/1000ft
Max. Pull Tension:	194 lbs

### Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 FT4 Loading, FT4
NEC / UL Compliance:	CMG
AWM Compliance:	1354
CEC / C(UL) Compliance:	CMG
APAC Compliance:	China RoHS II (GB/T 26572-2011)

### History

Update and Revision:	Revision Number: 0.310 Revision Date: 06-19-2020
----------------------	--------------------------------------------------

© 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.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.