

## 9913 Coax - RG-8/U Type

|                                                                                                                                                                                                                                                         |                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|    | <p>For more information please call<br/><b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|

### Description:

RG-8/U type, 10 AWG solid .108" bare copper conductor, semi-solid polyethylene insulation, Duobond II® + tinned copper braid shield (90% coverage), PVC jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

|                            |                  |
|----------------------------|------------------|
| Number of Coax             | 1                |
| Total Number of Conductors | 1                |
| RG Type                    | 8/U              |
| AWG                        | 10               |
| Stranding                  | Solid            |
| Conductor Diameter         | .108 in.         |
| Conductor Material         | BC - Bare Copper |

#### INSULATION:

|                     |                                         |
|---------------------|-----------------------------------------|
| Insulation Material | Semi-Solid PE - Semi-Solid Polyethylene |
| Insulation Diameter | .286 in.                                |

#### OUTER SHIELD:

|                                  |             |
|----------------------------------|-------------|
| Outer Shield Material Trade Name | Duobond® II |
| Outer Shield Type                | Tape/Braid  |

#### Outer Shield Material :

| Layer Number | Trade Name      | Type  | 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 | PVC - Polyvinyl Chloride |
|-----------------------|--------------------------|

#### OVERALL NOMINAL DIAMETER:

|                          |          |
|--------------------------|----------|
| Overall Nominal Diameter | .405 in. |
|--------------------------|----------|

#### MECHANICAL CHARACTERISTICS:

|                             |                |
|-----------------------------|----------------|
| Operating Temperature Range | -40°C To +80°C |
| Non-UL Temperature Rating   | 75°C           |

## 9913 Coax - RG-8/U Type

|                                  |                 |
|----------------------------------|-----------------|
| Bulk Cable Weight                | 97 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 300 lbs.        |
| Min. Bend Radius (Install)       | 6 in.           |

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

|                                       |            |
|---------------------------------------|------------|
| EU CE Mark (Y/N)                      | Yes        |
| EU RoHS Compliant (Y/N)               | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |

#### SUITABILITY:

|                       |     |
|-----------------------|-----|
| Suitability - Indoor  | Yes |
| Suitability - Outdoor | Yes |
| Suitability - Aerial  | Yes |

#### PLENUM/NON-PLENUM:

|               |       |
|---------------|-------|
| Plenum (Y/N)  | N     |
| Plenum Number | 89913 |

### ELECTRICAL CHARACTERISTICS:

|                                               |                  |
|-----------------------------------------------|------------------|
| Nom. Characteristic Impedance                 | 50 Ohms          |
| Nom. Inductance                               | .059 $\mu$ H/ft  |
| Nom. Capacitance Conductor to Shield          | 24.6 pF/ft       |
| Nominal Velocity of Propagation               | 84 %             |
| Nominal Delay                                 | 1.2 ns/ft        |
| Nom. Conductor DC Resistance @ 20 Deg. C      | .9 Ohms/1000 ft  |
| Nominal Outer Shield DC Resistance @ 20 Deg.C | 1.8 Ohms/1000 ft |

#### Nom. Attenuation :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Nom. Attenuation (dB/100 ft.) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------|
|             | 5               |                       |                      | .4                            |
|             | 10              |                       |                      | .5                            |
|             | 50              |                       |                      | 1.0                           |
|             | 100             |                       |                      | 1.4                           |
|             | 200             |                       |                      | 1.8                           |
|             | 400             |                       |                      | 2.6                           |
|             | 700             |                       |                      | 3.6                           |
|             | 900             |                       |                      | 4.1                           |
|             | 1000            |                       |                      | 4.4                           |

Max. Power Rating :

## 9913 Coax - RG-8/U Type

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Max. Power Rating (W) |
|-------------|-----------------|-----------------------|----------------------|-----------------------|
|             | 5               |                       |                      | 4021                  |
|             | 10              |                       |                      | 3217                  |
|             | 50              |                       |                      | 1609                  |
|             | 100             |                       |                      | 1149                  |
|             | 200             |                       |                      | 894                   |
|             | 400             |                       |                      | 619                   |
|             | 700             |                       |                      | 447                   |
|             | 900             |                       |                      | 393                   |
|             | 1000            |                       |                      | 366                   |

Max. Operating Voltage - Non-UL 300 V RMS

### NOTES:

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

### PUT-UPS AND COLORS:

| Item         | Description      | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|------------------|--------------|--------------------|--------------|-------|
| 9913 010100  | RG-8/U TYPE COAX | 100          | 14.2               | BLACK        | C     |
| 9913 0101000 | RG-8/U TYPE COAX | 1000         | 116                | BLACK        | C     |
| 9913 010250  | RG-8/U TYPE COAX | 250          | 31.75              | BLACK        | C     |
| 9913 010500  | RG-8/U TYPE COAX | 500          | 57                 | BLACK        | C     |

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-07-2007

© Copyright 2006 Belden, Inc  
All Rights Reserved.

Although Belden ("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 the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003);Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). 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 the 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.

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9