

[Print Preview](#)

[Show Metric](#)

**8216**



**Coax - RG-174/U Type**

RG-174/U type, 26 AWG stranded (7x34) .019" bare copper-covered steel conductor, polyethylene insulation, tinned copper braid shield (90% coverage), PVC jacket.

**For more Information  
Please call**

**1-800-Belden1**



[Click here for Certificate](#)

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8216 010100	100 FT	1.100 LB	BLACK		#26 PE BRD PVC
8216 0101000	1,000 FT	9.000 LB	BLACK	G N	#26 PE BRD PVC
8216 010500	500 FT	5.000 LB	BLACK		#26 PE BRD PVC

**Notes:**

G = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 100'  
N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

## Physical Characteristics (Overall)

### Conductor

**AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	26	7x34	BCCS - Bare Copper Covered Steel	.019

**Total Number of Conductors:**

1

### Insulation

**Insulation Material:**

Insulation Material	Dia. (in.)
PE - Polyethylene	.060

## Outer Shield

### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	90

## Outer Jacket

### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

## Overall Cable

Overall Nominal Diameter: 0.110 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C  
UL Temperature Rating: 60°C  
Bulk Cable Weight: 8 lbs/1000 ft.  
Max. Recommended Pulling Tension: 21 lbs.  
Min. Bend Radius/Minor Axis: 1 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

AWM Specification: UL Style 1354  
EU Directive 2011/65/EU (ROHS II): Yes  
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: 174/U

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)
50

### Nom. Inductance:

--

Inductance ( $\mu\text{H}/\text{ft}$ )

0.077

**Nom. Capacitance Conductor to Shield:**

Capacitance ( $\text{pF}/\text{ft}$ )

30.8

**Nominal Velocity of Propagation:**

VP (%)

66

**Nominal Delay:**

Delay ( $\text{ns}/\text{ft}$ )

1.54

**Nom. Conductor DC Resistance:**

DCR @ 20°C ( $\text{Ohm}/1000 \text{ ft}$ )

97

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C ( $\text{Ohm}/1000 \text{ ft}$ )

10.7

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	1.9
10	3.3
50	5.8
100	8.4
200	12.5
400	19.0
700	27.0
900	31.0
1000	34.0

**Max. Power Rating:**

Freq. (MHz)	Rating (W)
1	976
10	354
50	197
100	161
200	136
400	120
700	112
900	109

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

30 V RMS (UL AWM Style 1354)

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

1100 V RMS (Military)

[Close](#)

Revision Number: 3    Revision Date: 08-01-2013

© 2016 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.