# **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



### 8216 Coax - RG-174/U Type

For more Information please call

1-800-Belden1



# **Description:**

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

# **Physical Characteristics (Overall)**

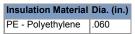
#### Conductor

#### AWG:

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

#### Insulation

#### **Insulation Material:**



### **Outer Shield**

#### **Outer Shield Material:**

	Outer Shield Material	
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 (UL AWM Style 1354)	
Bulk Cable Weight:	8.400 lbs/1000 ft.	
Max. Recommended Pulling Tension:	21 lbs.	
Min. Bend Radius (Install)/Minor Axis:	1 in.	

# **Applicable Specifications and Agency Compliance (Overall)**

# **Applicable Standards & Environmental Programs**

AWM Specification:	UL Style 1354 (30 V 60°C)	
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	

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MII Order #39 (China RoHS):	Yes	
RG Type:	174/U	
Plenum/Non-Plenum		
Plenum (Y/N):	No	

# **Electrical Characteristics (Overall)**

# Nom. Characteristic Impedance:



Nom. Inductance:

Inductance (µH/ft) 0.077

Nom. Capacitance Conductor to Shield:



# Nominal Velocity of Propagation:



### **Nominal Delay:**



### Nom. Conductor DC Resistance:

DCR @ 20°C	(Ohm/1000 ft)
97	

# Nominal Outer Shield DC Resistance:

DCR @ 20°C	(Ohm/1000 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
1000	108

# Max. Operating Voltage - UL:

Voltage
30 V RMS (UL AWM Style 1354)

# Max. Operating Voltage - Non-UL:

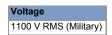
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#### **Related Documents:**

No related documents are available for this product

#### **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  $100^{\circ}$  N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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