# **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)**

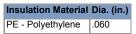
### Conductor

#### AWG:

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

### Insulation

### **Insulation Material:**



### **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 (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
Military Specification:	MIL-C-17F
RG Type:	174/U
Plenum/Non-Plenum	
Plenum (Y/N):	No

# **Electrical Characteristics (Overall)**

# Nom. Characteristic Impedance:

Impedance	(Ohm)
50	

### Nom. Inductance:



# 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)	)

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

1100 V RMS (Military)

### **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'

N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

Revision Number: 2 Revision Date: 09-30-2009

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