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1-800-Belden1



## General 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

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 (µH/ft)**  
0.077

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**  
30.8

**Nominal Velocity of Propagation:**

**VP (%)**  
66

**Nominal Delay:**

**Delay (ns/ft)**  
1.54

**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:**

**Voltage**  
1100 V RMS (Military)

## 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.

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