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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. (mm)
1	26	7x34	BCCS - Bare Copper Covered Steel	0.4826

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	1.524

### 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: 2.794 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	11.906 Kg/Km
Max. Recommended Pulling Tension:	93.412 N
Min. Bend Radius/Minor Axis:	25.400 mm

## 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
MII Order #39 (China RoHS):	Yes
RG Type:	174/U

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

<b>Impedance (Ohm)</b>
50

**Nom. Inductance:**

<b>Inductance (µH/m)</b>
0.252637

**Nom. Capacitance Conductor to Shield:**

<b>Capacitance (pF/m)</b>
101.055

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
66

**Nominal Delay:**

<b>Delay (ns/m)</b>
5.05274

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
318.257

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/km)</b>
35.1067

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1	6.2339
10	10.8273
50	19.0298
100	27.5604
200	41.0125
400	62.339
700	88.587
900	101.711
1000	111.554

**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:**

<b>Voltage</b>
30 V RMS (UL AWM Style 1354)

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

<b>Voltage</b>
1100 V RMS (Military)

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8216 010100	30 MT	0.499 KG	BLACK		#26 PE BRD PVC
8216 0101000	305 MT	4.082 KG	BLACK	G N	#26 PE BRD PVC
8216 010500	152 MT	2.268 KG	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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