

## 8216 Coax - RG-174/U Type

 	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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### 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:

#### CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	174/U
AWG	26
Stranding	7x34
Conductor Diameter	.019 in.
Conductor Material	BCCS - Bare Copper Covered Steel

#### INSULATION:

Insulation Material	PE - Polyethylene
Insulation Diameter	.060 in.

#### OUTER SHIELD:

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

#### OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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#### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.110 in.
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#### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +75°C
UL Temperature Rating	60°C (UL AWM Style 1354)
Bulk Cable Weight	8.4 lbs/1000 ft.
Max. Recommended Pulling Tension	21 lbs.
Min. Bend Radius (Install)	1 in.

#### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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### APPLICABLE STANDARDS:

AWM Specification	UL Style 1354 (30 V 60°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	0.077 $\mu$ H/ft
Nom. Capacitance Conductor to Shield	30.8 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	97 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	10.7 Ohms/1000 ft

### Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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 :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power Rating (W)
	1			976
	10			354
	50			197
	100			161
	200			136
	400			120
	700			112
	900			109
	1000			108

Max. Operating Voltage - UL 30 V RMS (UL AWM Style 1354)

Max. Operating Voltage - Non-UL 1100 V RMS (Military)

### PUT-UPS AND COLORS:

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Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8216 010100	#26 PE BRD PVC	100	1.1	BLACK	
8216 0101000	#26 PE BRD PVC	1000	9	BLACK	G N
8216 010500	#26 PE BRD PVC	500	5	BLACK	

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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