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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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