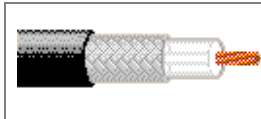


8216 Coax - RG-174/U Type



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. (mm)
1	26	7x34	BCCS - Bare Copper Covered Steel	0.483

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 Cabling:

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:	12.501 Kg/Km
Max. Recommended Pulling Tension:	93.412 N
Min. Bend Radius (Install)/Minor Axis:	25.400 mm

Applicable Specifications and Agency Compliance (Overall):

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
RG Type	174/U

Plenum/Non-Plenum:

Plenum (Y/N)	N
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Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
50.000

Nom. Inductance

Inductance (µH/m)
0.253

Nom. Capacitance Conductor to Shield

Capacitance (pF/m)
101.055

Nominal Velocity of Propagation

VP (%)
66

Nominal Delay

Delay (ns/m)
5.053

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/km)
318.257

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/km)
35.107

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100m)
	1.000			6.234
	10.000			10.827
	50.000			19.030
	100.000			27.560
	200.000			41.013
	400.000			62.339
	700.000			88.587
	900.000			101.711
	1000.000			111.554

Max. Power Rating

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Rating (W)
	1.000			976.000
	10.000			354.000
	50.000			197.000
	100.000			161.000
	200.000			136.000
	400.000			120.000
	700.000			112.000
	900.000			109.000
	1000.000			108.000

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	30 MT	0.499 KG	BLACK		#26 PE BRD PVC BLK

8216 Coax - RG-174/U Type

8216 0101000	305 MT	4.082 KG	BLACK	G N	#26 PE BRD PVC BLK
8216 010500	152 MT	2.268 KG	BLACK		#26 PE BRD PVC BLK

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: 1 Revision Date: 05-14-2007

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