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1-800-Belden1



## General Description:

RG-8/U type, 11 AWG stranded (7x19) .108" bare copper conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	11	7x19	BC - Bare Copper	.108

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.285

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95.000

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 0.403 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 1354)

Bulk Cable Weight: 107 lbs/1000 ft.

Max. Recommended Pulling Tension: 230 lbs.

Min. Bend Radius/Minor Axis: 4 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 1354 (30 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/13/2005
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:	8/U

**Suitability**

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes

**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/ft)</b>
.065

**Nom. Capacitance Conductor to Shield:**

<b>Capacitance (pF/ft)</b>
26

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
78

**Nominal Delay:**

<b>Delay (ns/ft)</b>
1.3

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
1.2

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
1.1

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.1
10	.5
50	1.2
100	1.7
200	2.6
400	3.9
700	5.6
900	6.5
1000	7.0
4000	21.5

**Max. Operating Voltage - UL:**

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

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

<b>Voltage</b>
300 V RMS

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8214	1 EA	0.000 LB			VB 1A-2-2-212/5 M
8214 010100	100 FT	13.700 LB	BLACK	C	RG-8/U TYPE COAX
8214 0101000	1,000 FT	116.000 LB	BLACK	C	RG-8/U TYPE COAX
8214 010500	500 FT	58.500 LB	BLACK	C	RG-8/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

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