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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. (mm)
1	11	7x19	BC - Bare Copper	2.7432

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	7.239

### 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: 10.236 mm

## Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 159.237 Kg/Km

Max. Recommended Pulling Tension: 1023.086 N

Min. Bend Radius/Minor Axis: 101.600 mm

## 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:

Impedance (Ohm)
50

### Nom. Inductance:

Inductance (µH/m)
0.213265

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
85.306

### Nominal Velocity of Propagation:

VP (%)
78

### Nominal Delay:

Delay (ns/m)
4.2653

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
3.9372

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
3.6091

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.3281
10	1.6405
50	3.9372
100	5.5777
200	8.5306
400	12.7959
700	18.3736
900	21.3265
1000	22.967
4000	70.5415

### Max. Operating Voltage - UL:

Voltage
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 010100	30 MT	6.214 KG	BLACK	C	RG-8/U TYPE COAX
8214 0101000	305 MT	52.617 KG	BLACK	C	RG-8/U TYPE COAX
8214 010500	152 MT	26.535 KG	BLACK	C	RG-8/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

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