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1-800-Belden1



## General Description:

RG-8/U type, 13 AWG stranded (7x21) .085" bare copper conductor, polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	13	7x21	BC - Bare Copper	2.159

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
PE - 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 +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 157.749 Kg/Km

Max. Recommended Pulling Tension: 845.158 N

Min. Bend Radius/Minor Axis: 107.950 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMH

CEC/C(UL) Specification: CMH

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): 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
Military Specification:	JAN-C-17A
RG Type:	8/U

### Flame Test

CSA Flame Test:	FT1
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### Suitability

Suitability - Indoor:	Yes
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

#### Impedance (Ohm)

52

### Nom. Inductance:

#### Inductance (µH/m)

0.259199

### Nom. Capacitance Conductor to Shield:

#### Capacitance (pF/m)

93.5085

### Nominal Velocity of Propagation:

#### VP (%)

66

### Nominal Delay:

#### Delay (ns/m)

5.05274

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/km)

6.2339

### Nominal Outer Shield DC Resistance:

#### DCR @ 20°C (Ohm/km)

3.9372

### Nom. Attenuation:

#### Freq. (MHz) Attenuation (dB/100m)

1	0.6562
10	1.9686
50	4.2653
100	6.2339
200	9.1868
400	13.7802
700	19.3579
900	22.6389
1000	24.2794
4000	76.1192

### Nom. Power Rating:

#### Freq. (MHz) Rating (W)

50	1200
100	800

400	320
1000	180

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

<b>Voltage</b>
3700 V RMS

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8237 010100	100 FT	13.200 LB	BLACK	C	RG-8/U JAN-C-17A COAX
8237 0101000	1,000 FT	111.000 LB	BLACK	C	RG-8/U JAN-C-17A COAX
8237 010500	500 FT	56.000 LB	BLACK	C	RG-8/U JAN-C-17A COAX

**Notes:**

C = CRATE REEL PUT-UP.

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