

## 8237 Coax - RG-8/U Type



For more Information  
please call

1-800-Belden1



### Description:

RG-8/U type, 13 AWG stranded (7x21) .085" bare copper conductor, polyethylene insulation, bare copper braid shield (97% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	13	7x21	BC - Bare Copper	.085

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.285

#### Outer Shield

##### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	97

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cabling

Overall Nominal Diameter: 0.405 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 104 lbs/1000 ft.

Max. Recommended Pulling Tension: 190 lbs.

Min. Bend Radius (Install)/Minor Axis: 4.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMH

CEC/C(UL) Specification: CMH

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

C(UL) Flame Test:	FT1
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### 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)

52

### Nom. Inductance:

Inductance (µH/ft)

.079

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

28.5

### Nominal Velocity of Propagation:

VP (%)

66

### Nominal Delay:

Delay (ns/ft)

1.54

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.9

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.2

### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1	.2
10	.6
50	1.3
100	1.9
200	2.8
400	4.2
700	5.9
900	6.9
1000	7.4
4000	23.2

### 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	13.600 LB	BLACK	C	RG-8/U JAN-C-17A COAX
8237 0101000	1,000 FT	114.000 LB	BLACK	C	RG-8/U JAN-C-17A COAX
8237 010500	500 FT	58.000 LB	BLACK	C	RG-8/U JAN-C-17A COAX

**Notes:**

C = CRATE REEL PUT-UP.

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