

8237 Coax - RG-8/U Type

For more Information
please call

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. (in.)
1	13	7x21	BC - Bare Copper	.085

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - 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 +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	106 lbs/1000 ft.
Max. Recommended Pulling Tension:	190 lbs.
Min. Bend Radius/Minor Axis:	4.250 in.

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
MIL Order #39 (China RoHS):	Yes
Military Specification:	JAN-C-17A
RG Type:	8/U

Flame Test

CSA Flame Test: FT1

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

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:**Voltage**

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.

Revision Number: 2 Revision Date: 07-30-2013

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