Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



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. (mm)
1	13	7x21	BC - Bare Copper	2.159

Total Number of Conductors:

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

F			
NEC/(UL) Specification:	СМН		
CEC/C(UL) Specification:	СМН		
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		

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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
Suitability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



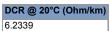
Nominal Velocity of Propagation:



Nominal Delay:

Delay (ns/m) 5.05274

Nom. Conductor DC Resistance:



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

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400	320
1000	180

Max. Operating Voltage - Non-UL:



Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8237 010100	30 MT	5.987 KG	BLACK	С	RG-8/U JAN-C-17A COAX
8237 0101000	305 MT	50.349 KG	BLACK	С	RG-8/U JAN-C-17A COAX
8237 010500	152 MT	25.401 KG	BLACK	С	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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