## **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



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	<b>Conductor Material</b>	Dia. (mm)
1	13	7x21	BC - Bare Copper	2.159

#### 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 Cabling**

Overall Nominal Diameter: 10.287 mm

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	154.773 Kg/Km
Max. Recommended Pulling Tension:	845.158 N
Min. Bend Radius (Install)/Minor Axis:	114.300 mm

## **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

Page 1 of 3 05-10-2011

## **Detailed Specifications & Technical Data**

## **METRIC MEASUREMENT VERSION**



8237 Coax - RG-8/U Type

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

## **Electrical Characteristics (Overall)**

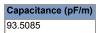
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



**Nominal Delay:** 

Delay (ns/m) 5.05274

Nom. Conductor DC Resistance:

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	

Page 2 of 3 05-10-2011

## **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



8237 Coax - RG-8/U Type

400	320		
1000	180		

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

Voltage 3700 V RMS

#### **Related Documents:**

No related documents are available for this product

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8237 010100	30 MT	6.169 KG	BLACK	С	RG-8/U JAN-C-17A COAX
8237 0101000	305 MT	51.710 KG	BLACK	С	RG-8/U JAN-C-17A COAX
8237 010500	152 MT	26.308 KG	BLACK	С	RG-8/U JAN-C-17A COAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 04-07-2010

© 2011 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express,

statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product