

8237 Coax - RG-8/U Type

  	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
---	--

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:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	8/U
AWG	13
Stranding	7x21
Conductor Diameter	.085 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PE - Polyethylene
Insulation Diameter	.285 in.

OUTER SHIELD:

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

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
-----------------------	--------------------------

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.405 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:

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)	4.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

8237 Coax - RG-8/U Type

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMH
CEC/C(UL) Specification	CMH
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
Military Specification	JAN-C-17A

FLAME TEST:

C(UL) Flame Test	FT1
------------------	-----

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Aerial	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
--------------	---

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	52 Ohms
Nom. Inductance	.079 μ H/ft
Nom. Capacitance Conductor to Shield	28.5 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	1.9 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	1.2 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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 :

8237 Coax - RG-8/U Type

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Power Rating (W)
	50			1200
	100			800
	400			320
	1000			180

Max. Operating Voltage - Non-UL 3700 V RMS

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8237 010100	RG-8/U JAN-C-17A COAX	100	13.6	BLACK	C
8237 0101000	qtlhldqlAN-C-17A COAX	1000	114	BLACK	C
8237 010500	RG-8/U JAN-C-17A COAX	500	58	BLACK	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-11-2005

© Copyright 2006 Belden, Inc
All Rights Reserved.

Although Belden ("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 the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003);Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). 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 the 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.