

82240 Coax - RG-58A/U Type

For more Information
please call

1-800-Belden1

**Description:**

RG-58A/U type, 20 AWG solid .033" bare copper conductor, plenum, FEP teflon insulation, tinned copper braid shield (95% coverage), Flamarrest® jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	.032

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FEP - Fluorinated Ethylene Propylene	.107

Outer Shield**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95

Outer Jacket**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.159 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	30 lbs/1000 ft.
Max. Recommended Pulling Tension:	47 lbs.
Min. Bend Radius (Install)/Minor Axis:	2 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	10/01/2005
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
RG Type:	58/U

Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	8240

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)
53

Nom. Inductance:

Inductance (μH/ft)
0.070

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
26.4

Nominal Velocity of Propagation:

VP (%)
69.5

Nominal Delay:

Delay (ns/ft)
1.48

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.7

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.5
10	1.2
50	3.0
100	4.3
200	6.4
400	9.7
700	13.7
900	16.1
1000	17.3

Nom. Power Rating:

Freq. (MHz)	Rating (W)
1	4798.7
10	1937.2
50	782.4
100	542.2
200	370.3
400	248.5
700	177.7
900	153.0

1000	143.2
------	-------

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Operating Voltage - Non-UL:

Voltage
1400 V RMS

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82240 877U1000	1,000 FT	26.000 LB	NATURAL		#20 FEP RG58/U FLMRST
82240 877U500	500 FT	13.500 LB	NATURAL		#20 FEP RG58/U FLMRST
82240 8771000	1,000 FT	26.000 LB	NATURAL	C	#20 FEP RG-58/U FLMRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 11-09-2011

© 2012 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.