

For more Information
please call

1-800-Belden1



Description:

RG-58A/U type, 20 AWG stranded (7x28) .037" tinned copper conductor, polyethylene insulation, double tinned copper braid shield (96% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	7x28	TC - Tinned Copper	0.038

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	0.120

Inner Shield

Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95.000

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PE - Polyethylene	0.177

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	85

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.241 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 37.200 lbs/1000 ft.

Max. Recommended Pulling Tension: 83 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark: Yes

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
MII Order #39 (China RoHS):	Yes
RG Type:	58A/U

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/ft)

.077

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

30.8

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

9.5

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.7

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.3

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1	.5
10	1.5
50	3.3
100	4.9
200	7.2
400	12.0
500	14.0
700	18.0
900	22.0
1000	24.0

Max. Operating Voltage - Non-UL:

Voltage

1400 V RMS

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9222 004U500	500 FT	20.500 LB	YELLOW		50 OHM TRIAX
9222 004100	100 FT	4.600 LB	YELLOW		50 OHM TRIAX
9222 004500	500 FT	21.000 LB	YELLOW	C	50 OHM TRIAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 07-20-2010

© 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.