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1-800-Belden1



## General Description:

RG-58A/U type, 20 AWG stranded (7x28) .037" tinned copper conductor, polyethylene insulation, double tinned copper braid shields (95% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

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

Total Number of Conductors: 1

### 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	95.000

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.021

### 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: 39 lbs/1000 ft.

Max. Recommended Pulling Tension: 83 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

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
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**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

<b>Impedance (Ohm)</b>
50

**Nom. Inductance:**

<b>Inductance (µH/ft)</b>
.077

**Nom. Capacitance Conductor to Shield:**

<b>Capacitance (pF/ft)</b>
30.8

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
66

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
9.5

**Nom. Inner Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
4.7

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
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:**

<b>Voltage</b>
1400 V RMS

**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.

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