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1-800-Belden1



## Description:

RG-58/U type, 20 AWG solid .033" bare copper conductor, polyethylene insulation, bare copper braid shield (78% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	Solid	BC - Bare Copper	0.8382

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	2.9464

### Outer Shield

#### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	78

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cabling

Overall Nominal Diameter: 4.902 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 32.740 Kg/Km

Max. Recommended Pulling Tension: 164.583 N

Min. Bend Radius (Install)/Minor Axis: 50.800 mm

## 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: 58/U

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

Impedance (Ohm)

52

**Nom. Inductance:**

Inductance (µH/m)

0.262808

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)

93.5085

**Nominal Velocity of Propagation:**

VP (%)

66

**Nominal Delay:**

Delay (ns/m)

5.05274

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)

32.81

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)

18.0455

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
10	3.6091
50	8.2025
100	12.4678
200	18.3736
400	27.5604
700	38.3877
900	44.9497
1000	47.5745

**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
9201 010U1000	305 MT	11.340 KG	BLACK		#20PE BRD PVC RG58/U TYPE
9201 010U500	152 MT	5.897 KG	BLACK		#20PE BRD PVC RG58/U TYPE
9201 0101000	305 MT	10.433 KG	BLACK	C	#20PE BRD PVC RG58/U TYPE
9201 010500	152 MT	5.216 KG	BLACK		#20PE BRD PVC RG58/U TYPE

**Notes:**

C = CRATE REEL PUT-UP.

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