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please call

1-800-Belden1



## General Description:

RG-58A/U type, 20 AWG stranded (19x33) .035" tinned copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	19x33	TC - Tinned Copper	0.889

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	2.9464

### Outer Shield

#### Outer Shield Material:

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

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.6985

### Overall Cable

Overall Nominal Diameter: 4.902 mm

## Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 37.205 Kg/Km

Max. Recommended Pulling Tension: 186.824 N

Min. Bend Radius/Minor Axis: 50.800 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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

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): 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

**Applicable Patents:**

Country  
www.belden.com/p

**Plenum/Non-Plenum**

Plenum (Y/N): No

## Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

Impedance (Ohm)  
50

**Nom. Inductance:**

Inductance (µH/m)  
0.301852

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)  
101.055

**Nominal Velocity of Propagation:**

VP (%)  
66

**Nominal Delay:**

Delay (ns/m)  
5.05274

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)  
35.4348

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)  
13.4521

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1	1.3124
10	4.9215
50	12.1397
100	17.7174
200	26.5761
400	40.6844
700	58.0737
900	69.2291
1000	74.8068

**Max. Operating Voltage - Non-UL:**

Voltage  
1400 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8259 010U1000	1,000 FT	26.000 LB	BLACK		RG-58A/U 50 OHMS COAX
8259 010U500	500 FT	14.000 LB	BLACK		RG-58A/U 50 OHMS COAX
8259 010100	100 FT	3.300 LB	BLACK		RG-58A/U 50 OHMS COAX
8259 0101000	1,000 FT	27.000 LB	BLACK	C	RG-58A/U 50 OHMS COAX

## METRIC MEASUREMENT VERSION

### 8259 Coax - RG-58A/U Type

8259 010500	500 FT	14.000 LB	BLACK	C	RG-58A/U 50 OHMS COAX
8259 0105000	5,000 FT	135.000 LB	BLACK	C	RG-58A/U 50 OHMS COAX

**Notes:**

C = CRATE REEL PUT-UP.

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