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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. (in.)
1	20	19x33	TC - Tinned Copper	.035

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.116

### 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 (in.)
PVC - Polyvinyl Chloride	.0275

### Overall Cable

Overall Nominal Diameter: 0.193 in.

## Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 25 lbs/1000 ft.

Max. Recommended Pulling Tension: 42 lbs.

Min. Bend Radius/Minor Axis: 2 in.

## 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/ft)**

0.092

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**

30.8

**Nominal Velocity of Propagation:**

**VP (%)**

66

**Nominal Delay:**

**Delay (ns/ft)**

1.54

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

10.8

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

4.1

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.4
10	1.5
50	3.7
100	5.4
200	8.1
400	12.4
700	17.7
900	21.1
1000	22.8

**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
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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