

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

For more Information  
please call

1-800-Belden1



### 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

#### 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: 24 lbs/1000 ft.

Max. Recommended Pulling Tension: 42 lbs.

Min. Bend Radius (Install)/Minor Axis: 2 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: Yes - when supported by a messenger wire

### 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

## Related Documents:

No related documents are available for this product

## 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

**Notes:**

C = CRATE REEL PUT-UP.

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