

## 8219 Coax - RG-58A/U Type

For more Information  
please call

1-800-Belden1



### Description:

RG-58A/U type, 20 AWG stranded (19x32) .037" tinned copper conductor, foam polyethylene insulation, tinned copper braid shield (96% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	19x32	TC - Tinned Copper	.037

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.114

#### Outer Shield

##### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	93

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.194 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 1354)
Bulk Cable Weight:	25 lbs/1000 ft.
Max. Recommended Pulling Tension:	50 lbs.
Min. Bend Radius (Install)/Minor Axis:	2 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 1354 (30 V 80°C)
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
PMSHA Specification:	SC-182/5
RG Type:	58A/U

### Flame Test

UL Flame Test:	UL1685 UL Loading
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### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black jacket only
Suitability - Aerial:	Yes - Black jacket only - when supported by a messenger wire

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

#### Impedance (Ohm)

54

### Nom. Inductance:

#### Inductance (µH/ft)

0.065

### Nom. Capacitance Conductor to Shield:

#### Capacitance (pF/ft)

26.5

### Nominal Velocity of Propagation:

#### VP (%)

73

### Nominal Delay:

#### Delay (ns/ft)

1.39

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/1000 ft)

8.8

### 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	1.3
50	3.1
100	4.5
200	6.6
400	10.0
700	14.2
900	16.6
1000	18.1

### Max. Operating Voltage - UL:

#### Voltage

30 V RMS (UL AWM Style 1354)  
300 V RMS (CM)

**Other Electrical Characteristic 1:** Actual Impedance specification is 53.5 +/- 3 ohms.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8219 009U500	500 FT	13.500 LB	WHITE		RG58A/U TYPE COAX
8219 0091000	1,000 FT	28.000 LB	WHITE	C	RG58A/U TYPE COAX
8219 010U1000	1,000 FT	27.000 LB	BLACK		RG58A/U TYPE COAX
8219 010U500	500 FT	14.000 LB	BLACK		RG58A/U TYPE COAX
8219 0101000	1,000 FT	28.000 LB	BLACK	C	RG58A/U TYPE COAX
8219 010500	500 FT	14.500 LB	BLACK	C	RG58A/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

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