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**8219**



**Coax - RG-58A/U Type**

RG-58A/U type, 20 AWG stranded (19x32) .037" tinned copper conductor, foam polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

**For more Information  
Please call**

**1-800-Belden1**



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## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8219 009U500	500 FT	14.000 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.

## Physical Characteristics (Overall)

### Conductor

**AWG:**

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

**Total Number of Conductors:**

1

### Insulation

**Insulation Material:**

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

### Outer Shield

#### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95.000

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 0.193 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	80°C
Bulk Cable Weight:	25 lbs/1000 ft.
Max. Recommended Pulling Tension:	50 lbs.
Min. Bend Radius/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
EU Directive 2011/65/EU (ROHS II):	Yes
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

### Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

54

Nom. Inductance:

Inductance ( $\mu$ H/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.)
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1	0.4
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10	1.3
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50	3.1
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100	4.5
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200	6.6
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400	10.0
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700	14.2
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900	16.6
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1000	18.1
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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.

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