

## 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 Cabling**

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
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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PMSHA Specification:	SC-182/5
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RG Type:	58A/U
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## Flame Test

UL Flame Test:	UL1685 UL Loading
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## Suitability

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

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

### Nom. Characteristic Impedance:

Impedance (Ohm)
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54
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### Nom. Inductance:

Inductance (μH/ft)
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0.065
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### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
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26.5
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### Nominal Velocity of Propagation:

VP (%)
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73
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### Nominal Delay:

Delay (ns/ft)
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1.39
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### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
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8.8
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### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
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4.1
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### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
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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
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30 V RMS (UL AWM Style 1354)
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300 V RMS (CM)
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**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	26.000 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	26.000 LB	BLACK	C	RG58A/U TYPE COAX
8219 010500	500 FT	13.000 LB	BLACK	C	RG58A/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

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