

## 9311 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, Duobond® II + tinned copper braid shield (55% acoverage), 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:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	55

#### 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 (UL AWM Style 1354)

Bulk Cable Weight: 18 lbs/1000 ft.

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: 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

### Flame Test

UL Flame Test:	UL1685 UL Loading
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### Plenum/Non-Plenum

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

### Nom. Characteristic Impedance:

#### Impedance (Ohm)

52

### Nom. Inductance:

#### Inductance (µH/ft)

0.065

### Nom. Capacitance Conductor to Shield:

#### Capacitance (pF/ft)

26.0

### Nominal Velocity of Propagation:

#### VP (%)

75

### Nominal Delay:

#### Delay (ns/ft)

1.36

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/1000 ft)

8.8

### Nominal Outer Shield DC Resistance:

#### DCR @ 20°C (Ohm/1000 ft)

17

### Nom. Attenuation:

#### Freq. (MHz) Attenuation (dB/100 ft.)

1	0.5
10	1.5
50	2.9
100	4.0
200	5.7
400	8.5
700	12.2
900	14.5
1000	15.8

### Max. Operating Voltage - UL:

#### Voltage

300 V RMS (CM)

30 V RMS (UL AWM Style 1354)

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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9311 010U1000	1,000 FT	23.000 LB	BLACK		RG-58A/U TYPE COAX
9311 0101000	1,000 FT	23.000 LB	BLACK	C	RG-58A/U TYPE COAX
9311 010500	500 FT	10.500 LB	BLACK	C	RG-58A/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

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