

## 9310 Coax - RG-58/U Type

For more Information  
please call

1-800-Belden1



### General Description:

RG-58/U type, 20 AWG solid .033" bare copper conductor, polyethylene insulation, Duobond® II + tinned copper braid shield (55% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	.033

Total Number of Conductors: 1

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.114

#### Outer Shield

##### Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded 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 +60°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	20 lbs/1000 ft.
Max. Recommended Pulling Tension:	12.400 lbs.
Min. Bend Radius/Minor Axis:	2 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

AWM Specification:	UL Style 1354 (30 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes
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
MIL Order #39 (China RoHS):	Yes
RG Type:	58/U

### Plenum/Non-Plenum

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

#### Nom. Characteristic Impedance:

Impedance (Ohm)

50

#### Nom. Inductance:

Inductance (µH/ft)

0.090

#### 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)

9.4

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8

#### Nom. Attenuation:

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

1	0.46
10	1.4
50	2.8
100	3.8
200	5.4
400	7.9
700	11.1
900	12.8
1000	13.9

#### Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 1354)

#### Max. Operating Voltage - Non-UL:

Voltage

1400 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9310 010U1000	1,000 FT	22,000 LB	BLACK		RG-58/U TYPE COAX
9310 0101000	1,000 FT	22,000 LB	BLACK	C	RG-58/U TYPE COAX

9310 010500	500 FT	12.000 LB	BLACK	C	RG-58/U TYPE COAX
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**Notes:**

C = CRATE REEL PUT-UP.

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