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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

## 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 010I1000	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

**Notes:**

C = CRATE REEL PUT-UP.

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