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1-800-Belden1



**General 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

Total Number of Conductors: 1

**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:	21 lbs/1000 ft.
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 (30 V 80°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
MII Order #39 (China RoHS):	Yes
RG Type:	58A/U

**Flame Test**

UL Flame Test: UL1685 UL Loading

**Plenum/Non-Plenum**

Plenum (Y/N): No

**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)

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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	12.500 LB	BLACK	C	RG-58A/U TYPE COAX

Notes:  
C = CRATE REEL PUT-UP.

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