# **Detailed Specifications & Technical Data**

# **ENGLISH MEASUREMENT VERSION**



# 9311 Coax - RG-58A/U Type

For more Information please call

1-800-Belden1



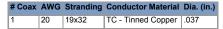
## **General Description:**

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:



**Total Number of Conductors:** 

#### 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:	СМ
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

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Flame Test			
UL Flame Test:	UL1685 UL Loading		
Plenum/Non-Plenum			
Plenum (Y/N):	No		

### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Inductance:

Inductance (µH/ft) 0.065

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft) 26.0

Nominal Velocity of Propagation:

Nominal Delay:

Delay (ns/ft) 1.36

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

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	С	RG-58A/U TYPE COAX
9311 010500	500 FT	12.500 LB	BLACK	С	RG-58A/U TYPE COAX

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-05-2012

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