

**9311 Coax - RG-58A/U Type**



**For more information please call  
1-800-Belden1**

**See Put-ups and Colors**

**Description:**

RG-58A/U type, 20 AWG stranded (19x32) .037" tinned copper conductor, foam polyethylene insulation, Duobond® II + tinned copper braid shield (55% coverage), PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Coax	1
Total Number of Conductors	1
RG Type	58A/U
AWG	20
Stranding	19x32
Conductor Diameter	.037 in.
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	FPE - Foam Polyethylene
Insulation Diameter	.114 in.

**OUTER SHIELD:**

Outer Shield Material Trade Name	Duobond® II
Outer Shield Type	Tape/Braid
Outer Shield Material :	

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

Outer Shield %Coverage	100 %
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**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
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**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.193 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 1354)

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Bulk Cable Weight	18 lbs/1000 ft.
Min. Bend Radius (Install)	2 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 1354 (30 V 80°C)
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

**FLAME TEST:**

UL Flame Test	UL1685 UL Loading
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**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	52 Ohms
Nom. Inductance	0.065 µH/ft
Nom. Capacitance Conductor to Shield	26.0 pF/ft
Nominal Velocity of Propagation	75 %
Nominal Delay	1.36 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	8.8 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	17 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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	300 V RMS (CM), 30 V RMS (UL AWM Style 1354)
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**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9311 0101000	RG-58A/U TYPE COAX	1000	21	BLACK	C

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9311 010500	RG-58A/U TYPE COAX	500	10.5	BLACK	C
9311 010U1000	RG-58A/U TYPE COAX	U1000	23	BLACK	

C = CRATE REEL PUT-UP.

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