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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. (mm)
1	20	19x32	TC - Tinned Copper	0.9398

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	2.8956

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: 4.902 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 1354)
Bulk Cable Weight:	31.252 Kg/Km
Min. Bend Radius/Minor Axis:	50.800 mm

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 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
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

52

Nom. Inductance:

Inductance (µH/m)

0.213265

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

85.306

Nominal Velocity of Propagation:

VP (%)

75

Nominal Delay:

Delay (ns/m)

4.46216

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

28.8728

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

55.777

Nom. Attenuation:

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

1 1.6405

10 4.9215

50 9.5149

100 13.124

200 18.7017

400 27.8885

700 40.0282

900 47.5745

1000 51.8398

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	305 MT	10.433 KG	BLACK		RG-58A/U TYPE COAX
9311 0101000	305 MT	10.433 KG	BLACK	C	RG-58A/U TYPE COAX

9311 010500	152 MT	5.670 KG	BLACK	C	RG-58A/U TYPE COAX
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Notes:

C = CRATE REEL PUT-UP.

Test Reports**a) UL**

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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