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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 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/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	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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