

For more Information
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1-800-Belden1



General Description:

RG-58/U type, 20 AWG solid .033" bare copper conductor, polyethylene insulation, Duobond® II + tinned copper braid shield (55% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	Solid	BC - Bare Copper	0.8382

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	2.8956

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded 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 +60°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	29.764 Kg/Km
Max. Recommended Pulling Tension:	55.158 N
Min. Bend Radius/Minor Axis:	50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification:	UL Style 1354 (30 V 60°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
MIL Order #39 (China RoHS):	Yes
RG Type:	58/U

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (µH/m)
0.29529

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
101.055

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/m)
5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
30.8414

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
26.248

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.50926
10	4.5934
50	9.1868
100	12.4678
200	17.7174
400	25.9199
700	36.4191
900	41.9968
1000	45.6059

Max. Operating Voltage - UL:

Voltage
30 V RMS (UL AWM Style 1354)

Max. Operating Voltage - Non-UL:

Voltage
1400 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9310 010U1000	1,000 FT	22.000 LB	BLACK		RG-58/U TYPE COAX
9310 010I1000	1,000 FT	22.000 LB	BLACK	C	RG-58/U TYPE COAX
9310 010500	500 FT	12.000 LB	BLACK	C	RG-58/U TYPE COAX

Notes:

C = CRATE REEL PUT-UP.

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