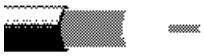
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

9201 Coax - RG-58/U Type



For more Information
please call

1-800-Belden1

General Description:

RG-58/U type, 20 AWG solid .033" bare copper conductor, polyethylene insulation, bare copper braid shield (80% 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	2.9464

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	80.000

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
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	34.229 Kg/Km
Max. Recommended Pulling Tension:	164.583 N
Min. Bend Radius/Minor Axis:	50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
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:	58/U

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
52

Nom. Inductance:

Inductance (µH/m)
0.262808

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
93.5085

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/m)
5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
32.81

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
18.0455

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
10	3.6091
50	8.2025
100	12.4678
200	18.3736
400	27.5604
700	38.3877
900	44.9497
1000	47.5745

Max. Operating Voltage - Non-UL:

Voltage
1400 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9201 010U1000	1,000 FT	25.000 LB	BLACK		#20PE BRD PVCRG58/U TYPE
9201 010U500	500 FT	13.000 LB	BLACK		#20PE BRD PVCRG58/U TYPE
9201 0101000	1,000 FT	25.000 LB	BLACK	C	#20PE BRD PVCRG58/U TYPE
9201 010500	500 FT	13.500 LB	BLACK		#20PE BRD PVCRG58/U TYPE

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-24-2012