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1-800-Belden1



Description:

RG-58A/U type, 20 AWG stranded (19x33) .035" tinned copper conductor, polyethylene insulation, tinned copper braid shield (80% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	19x33	TC - Tinned Copper	.035

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.116

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	80

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.0275

Overall Cabling

Overall Nominal Diameter: 0.193 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight/Copper Weight:	24 lbs/1000 ft. --- 9.6 lbs/1000 ft.
Max. Recommended Pulling Tension:	42 lbs.
Min. Bend Radius (Install)/Minor Axis:	2 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
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

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Aerial: Yes - when supported by a messenger wire

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/ft)

0.092

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

30.8

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/ft)

1.54

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.8

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.1

Nom. Attenuation:

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

1	0.4
10	1.5
50	3.7
100	5.4
200	8.1
400	12.4
700	17.7
900	21.1
1000	22.8

Max. Operating Voltage - Non-UL:

Voltage

1400 V RMS

Notes:

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