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1-800-Belden1



General Description:

RG-58A/U type, 20 AWG stranded (19x32) .037" tinned copper conductor, foam polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	19x32	TC - Tinned Copper	.037

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.114

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.193 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

UL Temperature Rating: 80°C

Bulk Cable Weight: 25 lbs/1000 ft.

Max. Recommended Pulling Tension: 50 lbs.

Min. Bend Radius/Minor Axis: 2 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

AWM Specification: UL Style 1354

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

PMSHA Specification: SC-182/5

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8219 Coax - RG-58A/U Type

RG Type: 58A/U

Flame Test

UL Flame Test: UL1685 UL Loading

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

54

Nom. Inductance:

Inductance (µH/ft)

0.065

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

26.5

Nominal Velocity of Propagation:

VP (%)

73

Nominal Delay:

Delay (ns/ft)

1.39

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.8

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	1.3
50	3.1
100	4.5
200	6.6
400	10.0
700	14.2
900	16.6
1000	18.1

Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 1354)

300 V RMS (CM)

Other Electrical Characteristic 1:

Actual Impedance specification is 53.5 +/- 3 ohms.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8219 009U500	500 FT	14.000 LB	WHITE		RG58A/U TYPE COAX
8219 0091000	1,000 FT	28.000 LB	WHITE	C	RG58A/U TYPE COAX
8219 010U1000	1,000 FT	27.000 LB	BLACK		RG58A/U TYPE COAX
8219 010U500	500 FT	14.000 LB	BLACK		RG58A/U TYPE COAX
8219 0101000	1,000 FT	28.000 LB	BLACK	C	RG58A/U TYPE COAX
8219 010500	500 FT	14.500 LB	BLACK	C	RG58A/U TYPE COAX

Notes:

C = CRATE REEL PUT-UP.

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