Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



8219 Coax - RG-58A/U Type

For more Information please call

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	•	Conductor Material	` '
1	20	19x32	TC - Tinned Copper	.037

Total Number of Conductors:

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

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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
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)

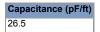
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



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)

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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	С	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	С	RG58A/U TYPE COAX
8219 010500	500 FT	14.500 LB	BLACK	С	RG58A/U TYPE COAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 07-30-2013

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