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	Stranding	Conductor Material	Dia. (in.)
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 80°C (UL AWM Style 1354)	
UL Temperature Rating:		
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 (30 V 80°C)		
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		

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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				
lame Test					
UL Flame Test:	UL1685 UL Loading				
uitability					
Suitability - Indoor:	Yes				
Suitability - Outdoor:	Yes - Black jacket only				
Suitability - Aerial:	Yes - Black jacket only - when supported by a messenger wire				
lenum/Non-Plenum					
Plenum (Y/N):	No				

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



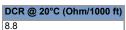
Nominal Velocity of Propagation:



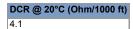
Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



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)

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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	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.

Test Reports

- i) UL Test Reports are available on-line through the UL Client Document Access web portal. ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CŚA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

Revision Number: 2 Revision Date: 08-13-2012

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

^{*} other test data may be available if requested at time of order.