

8219

Part Number: 8219



Product Description

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

Product Specifications

Conductor

Total Number of Conductors:

1

Technical Specifications

APAC Standard

MII Order #39 (China RoHS):

Yes

Bend Radius

Min Bend Radius/Minor Axis:

2 in

CCB-Sub-Part Number

Plenum (Y/N):

No

Contact Information

PHONE_NUM:

1-800-Belden1

EMEA Standard

EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

Environmental Characteristics

Operating Temp Range:	-40°C To +80°C
Suitability - Indoor:	Yes

EU Directive

EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

General Electrical Parameters

Other Electrical Characteristic 1:	Actual Impedance specification is 53.5 +/- 3 ohms.
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North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CM
NEC/(UL) Specification:	CM
PMSHA Specification:	SC-182/5
RG Type:	58A/U
UL AWM Style:	UL Style 1354

Safety

UL Flammability:	UL1685 UL Loading
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Temperature Range

UL Temp Rating:	80°C
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Use

Max Recommended Pulling Tension:	50 lbs
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Impedance:

Nominal Characteristic Impedance

54 Ohm

Inductance:

Nominal Inductance

0.065 μ H/ft

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
8.8 Ohm/1000ft	4.1 Ohm/1000ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP)
1.39 ns/ft	73 %

Voltage:

UL Voltage Rating
30V RMS (UL AWM Style 1354)
300V RMS (CM)

Capacitance:

Nominal Capacitance Conductor to Shield
26.5 pF/ft

High Frequency (Nominal/Typical):

Frequency (MHz)	Nom. Insertion Loss
1 MHz	0.4 db/100ft
10 MHz	1.3 db/100ft
50 MHz	3.1 db/100ft
100 MHz	4.5 db/100ft
200 MHz	6.6 db/100ft
400 MHz	10 db/100ft
700 MHz	14.2 db/100ft
900 MHz	16.6 db/100ft
1000 MHz	18.1 db/100ft

Insulation:

Material	Nominal Diameter
FPE - Foam Polyethylene	0.114 in

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.193 in

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	19x32	TC - Tinned Copper	0.037 in	1

Outersheild 1:

Type	Material	Coverage
Braid	TC - Tinned Copper	95 %

Product Variants

Part Number	Color	Put-Up Type	Length
8219 0091000	WHITE	Reel	1000 ft
8219 009U500	WHITE	UnReel	500 ft
8219 0101000	BLACK	Reel	1000 ft
8219 010500	BLACK	Reel	500 ft
8219 010U1000	BLACK	UnReel	1000 ft
8219 010U500	BLACK	UnReel	500 ft

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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.