

**Product:** <u>8219</u> ☑

54 Ohm, RG58, 20 AWG, CM

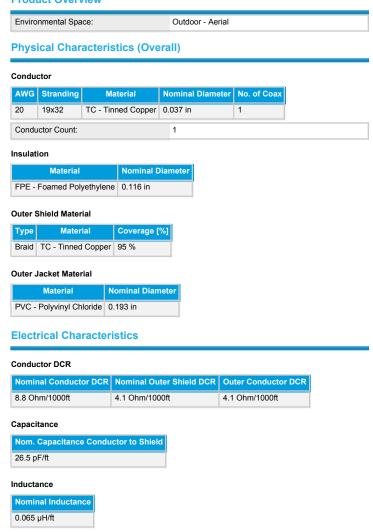


### **Product Description**

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

### **Technical Specifications**

#### **Product Overview**



### High Frequency (Nominal/Typical)

Nominal Characteristic Impedance

Impedance

53.5 Ohm

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

### Delay

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

### Voltage

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

# **Temperature Range**

UL Temp Rating:	80°C
Operating Temp Range:	-40°C To +80°C

#### **Mechanical Characteristics**

Bulk Cable Weight:	26 lbs/1000ft
Max Recommended Pulling Tension:	50 lbs
Min Bend Radius/Minor Axis:	2 in

### **Standards**

NEC/(UL) Specification:	СМ
CEC/C(UL) Specification:	CM
UL AWM Style:	UL Style 1354
CPR Euroclass:	Fca
PMSHA Specification:	SC-182/5
RG Type:	58A/U Type

# **Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

# Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading		
UL voltage rating:	30 V RMS (UL AWM Style 1354), 300 V RMS (UL CM)		

### Plenum/Non-Plenum

Plenum (Y/N):	No

#### **Part Number**

#### Variants

Item #	Color	UPC	Length	Footnote
8219 0101000	Black	612825196372	1,000 ft	С
8219 010500	Black	612825196341	500 ft	С
8219 010U1000	Black	612825196358	1,000 ft	
8219 010U500	Black	612825357605	500 ft	
8219 0091000	White	612825196327	1,000 ft	С
8219 009U500	White	612825196365	500 ft	

Footnote:

C - CRATE REEL PUT-UP.

#### **History**

Update and Revision:

Revision Number: 0.280 Revision Date: 08-22-2019

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