

8219 Coax - RG-58A/U Type

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

RG-58A/U type, 20 AWG stranded (19x32) .037" tinned copper conductor, foam polyethylene insulation, tinned copper braid shield (96% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	58A/U
AWG	20
Stranding	19x32
Conductor Diameter	.037 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FPE - Foam Polyethylene
Insulation Diameter	.114 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	TC - Tinned Copper
Outer Shield % Coverage	93 %

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.194 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 1354)
Bulk Cable Weight	25 lbs/1000 ft.
Max. Recommended Pulling Tension	50 lbs.
Min. Bend Radius (Install)	2 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 1354 (30 V 80°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
PMSHA Specification	SC-182/5

FLAME TEST:

UL Flame Test	UL1685 UL Loading
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SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes - Black jacket only
Suitability - Aerial	Yes - Black jacket only - when supported by a messenger wire

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	53.5 Ohms
Nom. Inductance	0.065 µH/ft
Nom. Capacitance Conductor to Shield	26.5 pF/ft
Nominal Velocity of Propagation	73 %
Nominal Delay	1.39 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	8.8 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	4.1 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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 30 V RMS (UL AWM Style 1354), 300 V RMS (CM)

PUT-UPS AND COLORS:

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Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8219 0091000	RG58A/U TYPE COAX	1000	26	WHITE	C
8219 009U500	RG58A/U TYPE COAX	U500	13.5	WHITE	
8219 0101000	RG58A/U TYPE COAX	1000	26	BLACK	C
8219 010500	RG58A/U TYPE COAX	500	13	BLACK	C
8219 010U1000	RG58A/U TYPE COAX	U1000	27	BLACK	
8219 010U500	RG58A/U TYPE COAX	U500	14	BLACK	

C = CRATE REEL PUT-UP.

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