

8240 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 solid .033" bare copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	58/U
AWG	20
Stranding	Solid
Conductor Diameter	.033 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PE - Polyethylene
Insulation Diameter	.116 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	TC - Tinned Copper
Outer Shield % Coverage	95 %

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.193 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +75°C
UL Temperature Rating	80°C (UL AWM Style 1354)
Bulk Cable Weight	25 lbs/1000 ft.
Max. Recommended Pulling Tension	47 lbs.
Min. Bend Radius (Install)	2 in.



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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMX
CEC/C(UL) Specification	CMX
AWM Specification	UL Style 1354 (30 V 80°C)
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

FLAME TEST:

UL Flame Test	UL1685 UL Loading, VW-1
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SUITABILITY:

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

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	88240, 82240

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	51.5 Ohms
Nom. Inductance	0.080 μ H/ft
Nom. Capacitance Conductor to Shield	28.5 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	10.0 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			0.3
	10			1.1
	50			2.5
	100			3.8
	200			5.6
	400			8.4
	700			11.7
	900			13.7
	1000			14.5

Max. Operating Voltage - UL 300 V RMS (CMX), 30 V RMS (UL AWM Style 1354)

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Max. Operating Voltage - Non-UL 1900 V RMS

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8240 010100	#20 PE BRD FRPVC	100	3.6	BLACK	
8240 0101000	#20 PE BRD FRPVC	1000	29	BLACK	C
8240 010500	#20 PE BRD FRPVC	500	14.5	BLACK	C
8240 010U1000	#20 PE BRD FRPVC	U1000	27	BLACK	
8240 010U500	#20 PE BRD FRPVC	U500	14	BLACK	

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-11-2005

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