

88240 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, plenum, FEP teflon insulation, tinned copper braid shield (95% coverage), FEP teflon jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	58/U
AWG	20
Stranding	Solid
Conductor Diameter	.032 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material Trade Name	Teflon®
Insulation Material	FEP - Fluorinated Ethylene Propylene
Insulation Diameter	.107 in.

OUTER SHIELD:

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

OUTER JACKET:

Outer Jacket Material Trade Name	Teflon®
Outer Jacket Material	FEP - Fluorinated Ethylene Propylene

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.159 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
UL Temperature Rating	200°C
Bulk Cable Weight	21 lbs/1000 ft.
Max. Recommended Pulling Tension	47 lbs.

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Min. Bend Radius (Install)	2 in.
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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test	NFPA 262
C(UL) Flame Test	FT6

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Plenum Number	8240

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	53.5 Ohms
Nom. Inductance	0.088 μ H/ft
Nom. Capacitance Conductor to Shield	26.4 pF/ft
Nominal Velocity of Propagation	69.5 %
Nominal Delay	1.48 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	10.2 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	6.7 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.5
	10			1.2
	50			3.0
	100			4.3
	200			6.4
	400			9.7
	700			13.7
	900			16.1
	1000			17.3

Nom. Power Rating :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Power Rating (W)
	1			4798.7
	10			1937.2
	50			782.4
	100			542.2
	200			370.3
	400			248.5
	700			177.7
	900			153.0
	1000			143.2

Max. Operating Voltage - UL 300 V RMS

Max. Operating Voltage - Non-UL 1400 V RMS

NOTES:

Notes Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
88240 0101000	#20 COAX FEP RG58/U	1000	24	BLACK	C
88240 010500	#20 COAX FEP RG58/U	500	12	BLACK	C

C = CRATE REEL PUT-UP.

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