

## 88240 Coax - RG-58A/U Type

		<p>For more information please call <b>1-800-Belden1</b></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.

**88240 Coax - RG-58A/U Type**

Min. Bend Radius (Install) 2 in.

**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  $\mu$ 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°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.

Revision Number: 1      Revision Date: 07-17-2006

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