# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



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

For more Information please call

1-800-Belden1



# **General 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.

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# **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Coax	AWG	Stranding	<b>Conductor Material</b>	Dia. (in.)
1	20	Solid	BC - Bare Copper	.032

Total Number of Conductors:

#### Insulation

#### **Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FEP - Fluorinated Ethylene Propylene	.107

#### **Outer Shield**

### **Outer Shield Material:**

	Outer Shield Material	
Braid	TC - Tinned Copper	95

#### **Outer Jacket**

### **Outer Jacket Material:**

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

## **Overall Cable**

Overall Nominal Diameter: 0.159 in.

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-70°C To +200°C		
UL Temperature Rating:	200°C		
Bulk Cable Weight:	24 lbs/1000 ft.		
Max. Recommended Pulling Tension:	47 lbs.		
Min. Bend Radius/Minor Axis:	1.500 in.		

# **Applicable Specifications and Agency Compliance (Overall)**

# **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP		
CEC/C(UL) Specification:	CMP		
EU Directive 2011/65/EU (ROHS II):	Yes		
EU CE Mark:	No		
EU Directive 2000/53/EC (ELV):	Yes		
EU Directive 2002/95/EC (RoHS):	Yes		
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005		

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EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	58/U
Flame Test	
UL Flame Test:	NFPA 262
CSA Flame Test:	FT6
Plenum/Non-Plenum	
Plenum (Y/N):	Yes
Plenum Number:	8240

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



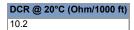
Nominal Velocity of Propagation:

**VP (%)** 69.5

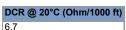
**Nominal Delay:** 



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	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:

Freq. (MHz)	Rating (W)
1	4798.7
10	1937.2
50	782.4
100	542.2
200	370.3

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400	248.5		
700	177.7		
900	153.0		
1000	143.2		

Max. Operating Voltage - UL:

300 V RMS

Max. Operating Voltage - Non-UL:

Voltage 1400 V RMS

## **Notes (Overall)**

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 #	Putup	Ship Weight	Color	Notes	Item Desc
88240 0101000	1,000 FT	26.000 LB	BLACK	С	#20 COAX FEP RG58/U
88240 010500	500 FT	14.000 LB	BLACK	С	#20 COAX FEP RG58/U

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-13-2012

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