Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8240 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, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	Solid	BC - Bare Copper	0.8382

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material Dia. (mm)
PE - Polyethylene | 2.9464

Outer Shield

Outer Shield Material:

-		Outer Shield Material	
	Braid	TC - Tinned Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 4.902 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C	
UL Temperature Rating:	80°C (UL AWM Style 1354)	
Bulk Cable Weight:	38.693 Kg/Km	
Max. Recommended Pulling Tension:	209.065 N	
Min. Bend Radius/Minor Axis:	50.800 mm	

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
AWM Specification:	UL Style 1354
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

Page 1 of 3 10-30-2013

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8240 Coax - RG-58A/U Type

	EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
	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:	VW-1
Sı	itability	
	Suitability - Indoor:	Yes
PI	enum/Non-Plenum	
	Plenum (Y/N):	No
	Plenum Number:	88240, 82240

Electrical Characteristics (Overall)

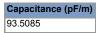
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



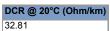
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 13.4521

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
10	3.6091
50	8.2025
100	12.4678
200	18.3736
400	27.5604
700	38.3877
900	44.9497
1000	47.5745

Max. Power Rating:

Freq. (MHz)	Rating (W)
50	530
100	350

Page 2 of 3 10-30-2013

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8240 Coax - RG-58A/U Type

400	160
1000	90

Max. Operating Voltage - UL:

	Voltage			
300 V RMS (CMX)				
	30 V RMS (UL AWM Style 1354)			

Max. Operating Voltage - Non-UL:

Voltage 1400 V RMS

Other Electrical Characteristic 1:

Actual Impedance specification is 51.5 +/- 1.5 ohms.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8240 010U1000	305 MT	12.247 KG	BLACK		#20 PE BRD FRPVC
8240 010U500	152 MT	6.350 KG	BLACK		#20 PE BRD FRPVC
8240 010100	30 MT	1.497 KG	BLACK		#20 PE BRD FRPVC
8240 0101000	305 MT	12.247 KG	BLACK	С	#20 PE BRD FRPVC
8240 010500	152 MT	6.577 KG	BLACK	С	#20 PE BRD FRPVC
8240 0105000	1,524 MT	61.235 KG	BLACK	С	#20 PE BRD FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-29-2013

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