

8240

Part Number: 8240



Product Description

RG-58A/U type, 20 AWG solid .033" bare copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

Product Specifications

Conductor

Total Number of Conductors:

1

Technical Specifications

APAC Standard

MIl Order #39 (China RoHS):

Yes

Bend Radius

Min Bend Radius/Minor Axis:

2 in

CCB-Sub-Part Number

Plenum (Y/N):

No

Plenum Number:

88240, 82240

Contact Information

PHONE_NUM:

1-800-Belden1

EMEA Standard

EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

Environmental Characteristics

Operating Temp Range:	-40°C To +75°C
Suitability - Indoor:	Yes

EU Directive

EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

General Electrical Parameters

Other Electrical Characteristic 1:	Actual Impedance specification is 51.5 +/- 1.5 ohms.
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North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMX
NEC/(UL) Specification:	CMX
RG Type:	58/U
UL AWM Style:	UL Style 1354

Safety

UL Flammability:	VW-1
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Temperature Range

UL Temp Rating:	80°C (UL AWM Style 1354)
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Use

Max Recommended Pulling Tension:	47 lbs
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Impedance:

Nominal Characteristic Impedance

52 Ohm

Inductance:

Nominal Inductance

0.08 μ H/ft

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
10 Ohm/1000ft	4.1 Ohm/1000ft

Power Rating:

Frequency [MHz]	Max. Power Rating [W]
50 MHz	530 W
100 MHz	350 W
400 MHz	160 W
1,000 MHz	90 W

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP)
1.54 ns/ft	66 %

Voltage:

Non-UL Voltage Rating	UL Voltage Rating
1400V RMS	300V RMS (CMX)
	30V RMS (UL AWM Style 1354)

Capacitance:

Nominal Capacitance Conductor to Shield
28.5 pF/ft

High Frequency (Nominal/Typical):

Frequency (MHz)	Nom. Insertion Loss
1 MHz	0.3 db/100ft
10 MHz	1.1 db/100ft
50 MHz	2.5 db/100ft
100 MHz	3.8 db/100ft
200 MHz	5.6 db/100ft
400 MHz	8.4 db/100ft

700 MHz	11.7 db/100ft
900 MHz	13.7 db/100ft
1000 MHz	14.5 db/100ft

Insulation:

Material	Nominal Diameter
PE - Polyethylene	0.116 in

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.193 in

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.033 in	1

Outershield 1:

Type	Material	Coverage
Braid	TC - Tinned Copper	95 %

Product Variants

Part Number	Color	Put-Up Type	Length
8240 0101000	BLACK	Reel	1000 ft
8240 010100	BLACK	Reel	100 ft
8240 0105000	BLACK	Reel	5000 ft
8240 010500	BLACK	Reel	500 ft
8240 010U1000	BLACK	UnReel	1000 ft
8240 010U500	BLACK	UnReel	500 ft

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