

**82240**

Part Number: 82240



## Product Description

RG-58/U type, 20 AWG solid .032" bare copper conductor, plenum, FEP teflon insulation, tinned copper braid shield (95% coverage), Flamarrest® jacket.

## Product Specifications

### Conductor

Total Number of Conductors:	1
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## Technical Specifications

### APAC Standard

Mil Order #39 (China RoHS):	Yes
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### Bend Radius

Min Bend Radius/Minor Axis:	1.75 in
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### CCB-Part Number

Notes:	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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### CCB-Sub-Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	8240

## Contact Information

PHONE_NUM:	1-800-Belden1
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## EMEA Standard

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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## Environmental Characteristics

Operating Temp Range:	0°C To +75°C
Suitability - Indoor:	Yes

## EU Directive

EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01

## North American Standard

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

## Safety

UL Flammability:	NFPA 262
CSA Flammability:	FT6

## Temperature Range

UL Temp Rating:	75°C
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## Use

Max Recommended Pulling Tension:	47 lbs
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### Impedance:

#### Nominal Characteristic Impedance

53 Ohm

### Inductance:

#### Nominal Inductance

0.07 $\mu$ H/ft
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**Conductor DCR:**

Nominal Conductor DCR	Nominal Outer Shield DCR
10.2 Ohm/1000ft	6.7 Ohm/1000ft

**Power Rating:**

Frequency [MHz]	Nominal Power Rating [W]
1 MHz	4,798.7 W
10 MHz	1,937.2 W
50 MHz	782.4 W
100 MHz	542.2 W
200 MHz	370.3 W
400 MHz	248.5 W
700 MHz	177.7 W
900 MHz	153 W
1,000 MHz	143.2 W

**Delay:**

Nominal Delay	Nominal Velocity of Propagation (VP)
1.48 ns/ft	69.5 %

**Voltage:**

Non-UL Voltage Rating	UL Voltage Rating
1400V RMS	300V RMS

**Capacitance:**

Nominal Capacitance Conductor to Shield
26.4 pF/ft

**High Frequency (Nominal/Typical):**

Frequency (MHz)	Nom. Insertion Loss
1 MHz	0.5 db/100ft
10 MHz	1.2 db/100ft

50 MHz	3 db/100ft
100 MHz	4.3 db/100ft
200 MHz	6.4 db/100ft
400 MHz	9.7 db/100ft
700 MHz	13.7 db/100ft
900 MHz	16.1 db/100ft
1000 MHz	17.3 db/100ft

#### Insulation:

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	Teflon®	0.107 in

#### Outerjacket 1:

Material	Material Trade Name	Nominal Diameter
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.159 in

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	1

#### Outershield 1:

Type	Material	Coverage
Braid	TC - Tinned Copper	95 %

## Product Variants

Part Number	Color	Put-Up Type	Length
82240 8771000	NATURAL	Reel	1000 ft
82240 877U1000	NATURAL	UnReel	1000 ft
82240 877U500	NATURAL	UnReel	500 ft

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