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1-800-Belden1



## General Description:

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

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	Solid	BC - Bare Copper	0.8128

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FEP - Fluorinated Ethylene Propylene	2.7178

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
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: 4.039 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

UL Temperature Rating: 200°C

Bulk Cable Weight: 35.717 Kg/Km

Max. Recommended Pulling Tension: 209.065 N

Min. Bend Radius/Minor Axis: 38.100 mm

## 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

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

RG Type: 58/U

### Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

**Suitability**

Suitability - Indoor: Yes

**Plenum/Non-Plenum**

Plenum (Y/N): Yes

Plenum Number: 8240

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

**Impedance (Ohm)**

53

**Nom. Inductance:**

**Inductance (µH/m)**

0.288728

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/m)**

86.6184

**Nominal Velocity of Propagation:**

**VP (%)**

69.5

**Nominal Delay:**

**Delay (ns/m)**

4.85588

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/km)**

33.4662

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/km)**

21.9827

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1	1.6405
10	3.9372
50	9.843
100	14.1083
200	20.9984
400	31.8257
700	44.9497
900	52.8241
1000	56.7613

**Nom. Power Rating:**

Freq. (MHz)	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:**

**Voltage**

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:**

## METRIC MEASUREMENT VERSION

88240 Coax - RG-58/U Type

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

**Notes:**

C = CRATE REEL PUT-UP.

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