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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
MII Order #39 (China RoHS):	Yes
RG Type:	58/U

### Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

### Suitability

Suitability - Indoor:	Yes
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### 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:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88240 010Z1000	1,000 FT	28.000 LB	BLACK		#20 COAX FEP RG58/U
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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