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1-800-Belden1



General Description:

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

Overall Cable

Overall Nominal Diameter: 4.039 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 35.717 Kg/Km

Max. Recommended Pulling Tension: 209.065 N

Min. Bend Radius/Minor Axis: 44.450 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): 10/01/2005

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
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Plenum/Non-Plenum

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

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)
53

Nom. Inductance:

Inductance (μH/m)
0.22967

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
82240 010U500	500 FT	13.500 LB	BLACK		#20 FEP RG58/U FLMRST
82240 010Z1000	1,000 FT	28.000 LB	BLACK		#20 FEP RG58/U FLMRST
82240 010Z500	500 FT	15.500 LB	BLACK		#20 FEP RG58/U FLMRST
82240 877U1000	1,000 FT	26.000 LB	NATURAL		#20 FEP RG58/U FLMRST
82240 877U500	500 FT	13.500 LB	NATURAL		#20 FEP RG58/U FLMRST
82240 877Z1000	1,000 FT	28.000 LB	NATURAL		#20 FEP RG58/U FLMRST
82240 8771000	1,000 FT	26.000 LB	NATURAL	C	#20 FEP RG-58/U FLMRST

Notes:

C = CRATE REEL PUT-UP.

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