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1-800-Belden1



## General Description:

20 AWG solid .032" bare copper conductor, plenum, foam FEP insulation, bare copper braid shields (95% coverage), FEP jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	.032

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.140

### Inner Shield

Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
FEP - Fluorinated Ethylene Propylene	.188

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

### Overall Cable

Overall Nominal Diameter: 0.245 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +200°C

UL Temperature Rating: 200°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 58 lbs/1000 ft.

Max. Recommended Pulling Tension: 140 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

## 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:	59/U

**Flame Test**

UL Flame Test:	NFPA 262
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**Suitability**

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes - When supported by a messenger wire

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
Non-Plenum Number:	8232A

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

<b>Impedance (Ohm)</b>
75

**Nom. Inductance:**

<b>Inductance (µH/ft)</b>
0.097

**Nom. Capacitance Conductor to Shield:**

<b>Capacitance (pF/ft)</b>
16.9

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
80

**Nominal Delay:**

<b>Delay (ns/ft)</b>
1.30

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
10.0

**Nom. Inner Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
2.6

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
2.6

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.4
3.6	0.6
10	0.8
71.5	2.2
135	3.1
270	4.5
360	5.3
540	6.6
720	7.7
750	7.9
1000	9.4
1500	12.1
2250	15.6
3000	18.7

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Minimum Structural Return Loss:**

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5	850	21
851	3000	15

**Sweep Test**

**Sweep Testing:** 100% Sweep tested 5 MHz to 3 GHz.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88232 0101000	1,000 FT	62.000 LB	BLACK	C	#20 TRIAX FFEP RG59/U TYPE
88232 010500	500 FT	30.500 LB	BLACK	C	#20 TRIAX FFEP RG59/U TYPE

**Notes:**

C = CRATE REEL PUT-UP.

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