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please call

1-800-Belden1



## General Description:

20 AWG stranded (19x33) .035" tinned copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), non-contaminating PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	19x33	TC - Tinned Copper	0.889

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	2.921

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

### Overall Cable

Overall Nominal Diameter: 4.953 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +85°C

UL Temperature Rating: 85°C

Bulk Cable Weight: 35.717 Kg/Km

Max. Recommended Pulling Tension: 186.824 N

Min. Bend Radius/Minor Axis: 50.800 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

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

Military Specification: MIL-C-17, M17/155-00001

RG Type: 58C/U

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

**Impedance (Ohm)**  
50

**Nom. Inductance:**

**Inductance (µH/m)**  
0.252637

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/m)**  
101.055

**Nominal Velocity of Propagation:**

**VP (%)**  
66

**Nominal Delay:**

**Delay (ns/m)**  
5.05274

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/km)**  
35.4348

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/km)**  
13.4521

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1	1.3124
10	4.5934
50	10.8273
100	16.0769
200	23.9513
400	37.7315
700	55.777
900	65.62
1000	70.5415

**Max. Operating Voltage - Non-UL:**

**Voltage**  
1400 V RMS

## Notes (Overall)

**Notes:** Non-SWR swept version of RG-58.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8262 010U1000	1,000 FT	26.000 LB	BLACK		M17/155-00001 COAX
8262 010U500	500 FT	13.500 LB	BLACK		M17/155-00001 COAX
8262 010I000	1,000 FT	27.000 LB	BLACK	C	M17/155-00001 COAX
8262 010500	500 FT	14.000 LB	BLACK	C	M17/155-00001 COAX

**Notes:**

C = CRATE REEL PUT-UP.

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