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1-800-Belden1



## 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

### 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 Cabling

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 (Install)/Minor Axis: 50.800 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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

MII Order #39 (China RoHS): Yes

Military Specification: MIL-DTL-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.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8262 010U1000	305 MT	11.793 KG	BLACK		M17/155-00001 COAX (10DAY)
8262 010U500	152 MT	6.124 KG	BLACK		M17/155-00001 COAX (10DAY)
8262 0101000	305 MT	11.340 KG	BLACK	C	M17/155-00001 COAX (10DAY)

## METRIC MEASUREMENT VERSION

8262 Coax - 50 Ohm Coax

8262 010500	152 MT	5.670 KG	BLACK	C	M17/155-00001 COAX (10DAY)
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**Notes:**

C = CRATE REEL PUT-UP.

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