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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

MII 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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