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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. (in.)
1	20	19x33	TC - Tinned Copper	.035

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.116

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: 0.195 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 85°C

Bulk Cable Weight: 25 lbs/1000 ft.

Max. Recommended Pulling Tension: 42 lbs.

Min. Bend Radius (Install)/Minor Axis: 2 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

MII Order #39 (China RoHS): Yes

Military Specification: MIL-DTL-17H, M17/28, QPL

RG Type: 58/U

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/ft)

.077

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

30.8

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/ft)

1.54

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.8

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.1

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1	.4
10	1.4
50	3.3
100	4.9
200	7.3
400	11.5
700	17.0
900	20.0
1000	21.5

Max. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

50	4.0
100	6.5
400	17.0
1000	28.0

Max. Power Rating:

Freq. (MHz) Rating (W)

50	300
100	200
400	90
1000	55

Max. Operating Voltage - Non-UL:

Voltage

1400 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9203 0101000	1,000 FT	27.000 LB	BLACK		M17/28-RG058 COAX
9203 010500	500 FT	12.500 LB	BLACK	C	M17/28-RG058 COAX

Notes:

C = CRATE REEL PUT-UP.

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