

For more Information
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1-800-Belden1



Description:

26 AWG stranded (7x34) .020" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (95% coverage), FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	26	7x34	SPCCS - Silver Plated Copper Covered Steel	0.508

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	1.4732

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

Overall Cabling

Overall Nominal Diameter: 2.489 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 14.882 Kg/Km

Max. Recommended Pulling Tension: 93.412 N

Min. Bend Radius (Install)/Minor Axis: 25.400 mm

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): 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

MII Order #39 (China RoHS): Yes

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

83284 Coax - 50 Ohm Coax

Military Specification: M17/113-RG316

RG Type: 316/U

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (μH/m)

0.219827

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

95.149

Nominal Velocity of Propagation:

VP (%)

69.5

Nominal Delay:

Delay (ns/m)

4.85588

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

275.932

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

21.3265

Nom. Attenuation:

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

1 3.9372

10 8.8587

50 18.3736

100 27.2323

200 39.372

400 57.4175

700 77.7597

900 89.5713

1000 95.149

Max. Operating Voltage - Other:

Voltage Description

Military Specification 900 V RMS

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83284 009100	30 MT	0.499 KG	WHITE	E	M17/113-RG316 COAX
83284 0091000	305 MT	4.990 KG	WHITE	E	M17/113-RG316 COAX
83284 009500	152 MT	2.722 KG	WHITE	E	M17/113-RG316 COAX

Notes:

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

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