

83284 Coax - 50 Ohm Coax

For more Information
please call

1-800-Belden1



General 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. (in.)
1	26	7x34	SPCCS - Silver Plated Copper Covered Steel	.020

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	TFE - Tetrafluoroethylene	.058

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 Cable

Overall Nominal Diameter: 0.098 in.

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 10 lbs/1000 ft.

Max. Recommended Pulling Tension: 21 lbs.

Min. Bend Radius/Minor Axis: 1 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

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
Mil Order #39 (China RoHS):	Yes
Military Specification:	MIL-C-17, M17/113-RG316
RG Type:	316/U

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/ft)

0.067

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

29.0

Nominal Velocity of Propagation:

VP (%)

69.5

Nominal Delay:

Delay (ns/ft)

1.48

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

84.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

Nom. Attenuation:

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

1.000	1.200
10.000	2.700
50.000	5.600
100.000	8.300
200.000	12.000
400.000	17.500
700.000	23.700
900.000	27.300
1000.000	29.000
1500.000	36.500
2000.000	42.500
2400.000	47.200
3000.000	53.600

Max. Operating Voltage - Other:

Voltage Description

Military Specification 900 V RMS

Minimum Structural Return Loss:

Freq. (MHz) Min. SRL (dB)

50.000	30.000
100.000	30.000
400.000	23.000
1000.000	21.000

3000.000	17.000
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Notes (Overall)

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83284 009100	100 FT	1.100 LB	WHITE	E	M17/113-RG316 COAX
83284 0091000	1,000 FT	11.000 LB	WHITE	E	M17/113-RG316 COAX
83284 009500	500 FT	6.000 LB	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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