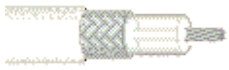
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

83284 Coax - 50 Ohm Coax



For more Information
please call

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

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'

Revision Number: 3 Revision Date: 04-28-2009

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