

84303 Coax - 50 Ohm Coax



For more Information
please call

1-800-Belden1



Description:

18 AWG solid .037" silver-coated copper-covered steel conductor, plenum, TFE Teflon® insulation, silver-coated copper braid shield (95% coverage), FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	SCCCS - Silver-coated Copper-covered Steel	.037

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	TFE - Tetrafluoroethylene	.116

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SCC - Silver-coated Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 0.170 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 200°C

Bulk Cable Weight: 30 lbs/1000 ft.

Max. Recommended Pulling Tension: 112 lbs.

Min. Bend Radius/Minor Axis: 2 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2P

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:	MIL-DTL-17H, M17/111
RG Type:	303/U

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/ft)

.067

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

29.0

Nominal Velocity of Propagation:

VP (%)

70

Nominal Delay:

Delay (ns/ft)

1.48

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.3

Nom. Attenuation:

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

1	.3
10	1.1
50	2.7
100	3.9
200	5.6
400	8.2
700	11.0
900	12.5
1000	13.5

Max. Operating Voltage - UL:

Voltage

150 V RMS

Max. Operating Voltage - Other:

Voltage Description

1400 V RMS MIL

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
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84303 0011000	1,000 FT	31.000 LB	BROWN	C E	M17/111 COAX
84303 001500	500 FT	16.000 LB	BROWN	C E	M17/111 COAX

Notes:

C = CRATE REEL PUT-UP.

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

Revision Number: 3 Revision Date: 08-09-2012

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