

84303 Coax - 50 Ohm Coax

 For more Information  
 please call

1-800-Belden1

**General 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 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
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
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'

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