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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. (mm)
1	18	Solid	SCCCS - Silver-coated Copper-covered Steel	0.9398

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	2.9464

### 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: 4.318 mm

## Mechanical Characteristics (Overall)

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

UL Temperature Rating: 200°C

Bulk Cable Weight: 44.646 Kg/Km

Max. Recommended Pulling Tension: 498.198 N

Min. Bend Radius/Minor Axis: 50.800 mm

## 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-17, M17/111

RG Type: 303/U

### Flame Test

UL Flame Test: NFPA 262

# Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

84303 Coax - 50 Ohm Coax

CSA Flame Test: FT6

## Suitability

Suitability - Indoor: Yes

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## 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 (%)  
70

### Nominal Delay:

Delay (ns/m)  
4.85588

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
53.4803

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
14.1083

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
10	3.6091
50	8.8587
100	12.7959
200	18.3736
400	26.9042
700	36.091
900	41.0125
1000	44.2935

### 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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