

84303 Coax - 50 Ohm Coax

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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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:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	303/U
AWG	18
Stranding	Solid
Conductor Diameter	.037 in.
Conductor Material	SCCCS - Silver-coated Copper-covered Steel

INSULATION:

Insulation Material Trade Name	Teflon®
Insulation Material	TFE - Tetrafluoroethylene
Insulation Diameter	.116 in.

OUTER SHIELD:

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

OUTER JACKET:

Outer Jacket Material	FEP - Fluorinated Ethylene Propylene
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.170 in.
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MECHANICAL CHARACTERISTICS:

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 (Install)	2 in.

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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CL2P
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
Military Specification	MIL-C-17G, M17/111

FLAME TEST:

UL Flame Test	VW-1, NFPA 262
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OTHER:

Other Information (Trademarks)	Teflon® is a DuPont trademark.
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PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 Ohms
Nom. Inductance	.067 µH/ft
Nom. Capacitance Conductor to Shield	29.0 pF/ft
Nominal Velocity of Propagation	70 %
Nominal Delay	1.48 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	16.3 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	4.3 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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	150 V RMS
Max. Operating Voltage - Other	1400 V RMS (Military)

NOTES:

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

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
84303 0011000	#18H RG303 COAX M17/111	1000	31	BROWN	C E
84303 001500	#18H RG303 COAX M17/111	500	16	BROWN	C E

C = CRATE REEL PUT-UP.

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

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