

SECRETS of Home Theater and High Fidelity



Product Review Supplement

Table of Bench Test Results for Interconnects and Speaker Cables

Staff

Below is a table of bench test results for interconnects and speaker cables. The cables are tested by using a high precision (within 0.05%) LCR meter (Instek LCR-819) connected to the ends of the cables (RCA unbalanced plugs for interconnects and banana plugs for speaker cables unless otherwise specified), and with the cables laid out full length on the floor, without any coiling. The tests are performed under the conditions of a Series Equivalent Circuit.

The instrument is Zeroed (this adjusts the offset for each test condition). Capacitance is measured with the opposite ends of the cable open, while inductance and resistance are measured with the opposite ends of the cable shorted together. Ten tests, each at three frequencies (1 kHz, 10 kHz, and 100 kHz), are averaged to give the resulting capacitance or inductance for each frequency. All tests are performed with a bias of 1 Volt.

The listed capacitance or inductance number is the total capacitance or inductance divided by the length of the cable. Resistance is measured at 12 Hz to minimize any AC effect, and the listed number is the total resistance divided by the length of the cable.

Product	Category	Length Tested	Capacitance	Inductance	Resistance
Analysis Plus Oval 9 (7-8-04)	Speaker Cable (Banana/Banana)	6 Feet	172.8 pico-Farads/Foot at 1 kHz	0.055 micro-Henries/Foot at 1 kHz	3.1 milli-Ohms/Foot
			153.5 pico-Farads/Foot at 10 kHz	0.057 micro-Henries/Foot at 10 kHz	
			138.7 pico-Farads/Foot at 100 kHz	0.055 micro-Henries/Foot at 100 kHz	

River Cable FLEXYGY (7-8-04)	Speaker Cable (Banana/Banana)	25 Feet	38.9 pico-Farads/Foot at 1 kHz	0.17 micro-Henries/Foot at 1 kHz	2.8 milli-Ohms/Foot
			35.1 pico-Farads/Foot at 10 kHz	0.15 micro-Henries/Foot at 10 kHz	
			30.8 pico-Farads/Foot at 100 kHz	0.14 micro-Henries/Foot at 100 kHz	
Slinkylinks (7-8-04)	Speaker Cable (Banana/Banana)	20 Feet	9.0 pico-Farads/Foot at 1 kHz	0.02 micro-Henries/Foot at 1 kHz	49.7 milli-Ohms/Foot
			8.3 pico-Farads/Foot at 10 kHz	0.02 micro-Henries/Foot at 10 kHz	
			7.7 pico-Farads/Foot at 100 kHz	0.02 micro-Henries/Foot at 100 kHz	
AViC Model 11 (9-7-04)	Speaker Cable (Banana/Banana)	9 Feet, 10 Inches	42.5 pico-Farads/Foot at 1 kHz	0.08 micro-Henries/Foot at 1 kHz	3.7 mill-Ohms/Foot
			41.0 pico-Farads/Foot at 10 kHz	0.09 micro-Henries/Foot at 10 kHz	
			40.1 pico-Farads/Foot at 100 kHz	0.08 micro-Henries/Foot at 100 kHz	
Nordost Valhalla (10-12-04)	Analog Audio Interconnect (RCA/RCA)	5 Feet, 9 Inches	40.2 pico-Farads/Foot at 1 kHz	466.1 micro-Henries/Foot at 1 kHz	40 milli-Ohms/Foot
			37.2 pico-Farads/Foot at 10 kHz	455.7 micro-Henries/Foot at 10 kHz	
			5.5 pico-Farads/Foot at 100 kHz	401.7 micro-Henries/Foot at 100 kHz	
Accell Ultra Audio (10-11-04)	Analog Audio Interconnect (RCA/RCA)	6 Feet, 6 Inches	40.2 pico-Farads/Foot at 1 kHz	0.24 micro-Henries/Foot at 1 kHz	49.9 mill-Ohms/Foot
			40.3 pico-	0.24 micro-	

			Farads/Foot at 10 kHz	Henries/Foot at 10 kHz	
			40.3 pico- Farads/Foot at 100 kHz	0.24 micro- Henries/Foot at 100 kHz	
Accell Ultra Audio (10- 11-04)	Speaker Cable (Pin/Pin)	15 Feet	18.0 pico- Farads/Foot at 1 kHz	0.23 micro- Henries/Foot at 1 kHz	10.0 milli- Ohms/Foot
			16.0 pico- Farads/Foot at 10 kHz	0.24 micro- Henries/Foot at 10 kHz	
			13.6 pico- Farads/Foot at 100 kHz	0.24 micro- Henries/Foot at 100 kHz	
Blue Jeans Cable (3-16- 05)	Component Video (RCA/RCA)	26 Feet, 4 Inches	16.9 pico- Farads/Foot at 1 kHz	0.11 micro- Henries/Foot at 1 kHz	9.7 milli- Ohms/Foot
			16.9 pico- Farads/Foot at 10 kHz	0.11 micro- Henries/Foot at 10 kHz	
			17.1 pico- Farads/Foot at 100 kHz	0.11 micro- Henries/Foot at 100 kHz	
Cobalt Cable Ultimate (5- 15-05)	Component Video (RCA/RCA)	49 Feet, 3 Inches	25.6 pico- Farads/Foot at 1 kHz	0.11 micro- Henries/Foot at 1 kHz	10.0 milli- Ohms/Foot
			25.7 pico- Farads/Foot at 10 kHz	0.11 micro- Henries/Foot at 10 kHz	
			25.7 pico- Farads/Foot at 100 kHz	0.11 micro- Henries/Foot at 100 kHz	
Cobalt Cable Ultimate (5- 1-15-05)	Speaker Cable (Banana/Banana)	16 Feet, 10 Inches	19.9 pico- Farads/Foot at 1 kHz	0.21 micro- Henries/Foot at 1 kHz	2.2 milli- Ohms/Foot
			15.5 pico- Farads/Foot at 10 kHz	0.21 micro- Henries/Foot at 10 kHz	
			13.6 pico- Farads/Foot at 100 kHz	0.20 micro- Henries/Foot at 100 kHz	
Nordost WyreWizard	Analog Audio Interconnect	6 Feet, 10	48.3 pico- Farads/Foot	0.14 micro- Henries/Foot	2.6 milli- Ohms/Foot

Dreamcaster (6-20-05)	(RCA/RCA)	Inches	at 1 kHz	at 1 kHz	
			48.2 pico-Farads/Foot at 10 kHz	0.13 micro-Henries/Foot at 10 kHz	
			48.2 pico-Farads/Foot at 100 kHz	0.09 micro-Henries at 100 kHz	
Nordost WyreWizard Dreamcaster (6-20-05)	Speaker Cable (Banana/Banana)	15 Feet	22.5 pico-Farads/Foot at 1 kHz	0.13 micro-Henries/Foot at 1 kHz	6.4 milli-Ohms/Foot
			21.9 pico-Farads/Foot at 10 kHz	0.12 micro-Henries/Foot at 10 kHz	
			21.5 pico-Farads/Foot at 100 kHz	0.12 micro-Henries/Foot at 100 kHz	

© Copyright Secrets of Home Theater & High Fidelity
[Go to Home Page](#)

The  **DVD Player Benchmark**
 It's what everyone's been talking about

[About Secrets](#)

[Register](#)

[Terms and Conditions of Use](#)

The  **Primers**
 Explanatory
 Articles for
 Beginners