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cable testing and results

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To Nawaz Ghani <nrg.custom.cables@gmail.com>

2026-04-18, 10:52 a.m.

cable testing and results

Hi Nawaz,
the cables were tested at the engineering department at the University of Nebraska Omaha. I got a couple of degrees from there, and I usually hang around, lol. He used the institutional "Total Phase Advanced Cable Tester" ($15,000) used in high precision electronics and uses it for Military and NASA projects. He measured for capacitance, resistance, and inductance. The cable acted as a line-level circuit in the testing. Inductance is not really a big deal, and as capacitance decreases, inductance increases , and as capacitance goes down, inductance goes up. But you want low capacitance. Resistance is the one measurement that really matters. High resistance and capacitance will give you bad sound, including lower volume output. He also believes that 4N copper is all you need; adding Ns adds imperceptible amounts of copper. Also, grain and OCC single-grain extrusion and cryogenics are marketing hype. All descriptions come from Jim, who is the engineer. SO, your speaker cable measured as follows:

Capacitance: 34 picofarads/foot pF (excellent)
Resistance (wire loop): 2.5 milliohms/ft Rs
AC Resistance: 0.22 mOhms, maintaining a flat line to 100khz (excellent) (skin resistance) to 20 khz
Inductance: 0.3 microhenrys/ft uH/ft

Excellent measurements show a well-designed and constructed cable. NRG speaker cable gets out of the way and allows the music to shine through.

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