<u>הספק ?</u> כולנו בודקים את ההספק של הרמקול אבל ..... הספק שנמדד באיזה אופן ?

על פי איזו שיטת מדידה ? ערכו השיווקי של המוצר נקבע בתוצאות נתונים אלה.

האם אתה גם מודע שהתוצאה מושפעת מאוד מהחיווט המחבר את הרמקול למקור הכוח ?

נתוניי האמת -

AWG wire size (solid)	Diameter (inches)	Resistance per 1000 ft (ohms)	Resistance per 1000 m (ohms)
24	0.0201	25.67	84.2
22	0.0254	16.14	52.7
20	0.0320	10.15	33.2
18	0.0403	6.385	20.9
16	0.0508	4.016	13.2
14	0.0640	2.525	8.28
12	0.0808	1.588	5.21
10	0.1019	0.999	3.28

Finally, divide that 190 watts by 2 since there are two 8-ohm loudspeakers connected in parallel (**Figure 3**). It's now down to less than 100 watts being delivered to each loudspeaker instead of the 500 watts that was paid for and expected. Yikes.
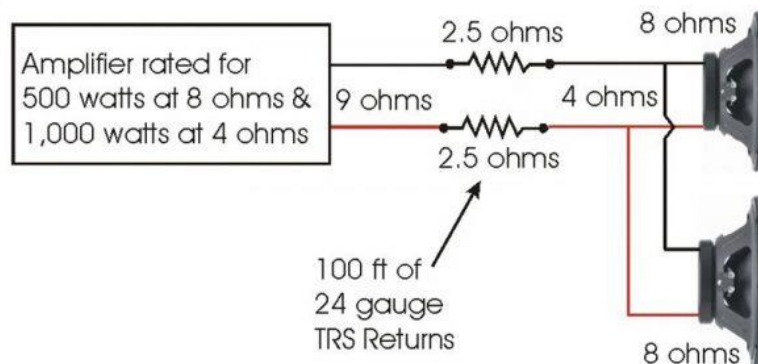

Figure 3**: Graphic depiction of power loss to the loudspeakers**.

This shows that using a 24-gauge snake return to drive a pair of 4-ohm passive loudspeakers results in throwing away 80 percent of the amplifier power.

A 1,000-watt amp is only delivering 200 watts to the loudspeakers. Adding to the picture is the fact that 5 ohms of series resistance will mess with the crossover points in the loudspeakers, which can change their frequency response in a bad way, adding feedback nodes.