

LOUD SPEAKER CABLE DISTANCES

AWG	4 Ohm Speaker			8 Ohm Speaker			70V Speaker*		
	Power (%) / Loss (dB)								
	11% 0.5	21% 1	50% 3	11% 0.5	21% 1	50% 3	11% 0.5	21% 1	50% 3
8	360	740	2500	720	1480	4990	17560	36000	122000
10	230	470	1500	460	940	3170	11180	22990	77740
12	140	305	1150	285	610	2285	6920	14890	56000
14	90	195	740	185	395	1480	4490	9650	36300
16	60	125	470	115	250	935	2840	6100	22950
18	40	90	340	85	190	685	2070	4450	16720
20	25	50	195	50	105	390	1170	2520	9500
22	15	35	135	35	70	275	820	1770	6650
24	10	25	85	20	45	170	520	1120	4210

* 70 volt line drive systems, while considered a potential for Hi-Fi performance, follow the same cable loss physics as the higher current (lower impedance) system. For the sake of this calculation, a 25 watt 70 volt system (196 Ohms) was used.