

Speaker Cable Power Loss by Gauge, Length and Load Impedance

Cable Length	Wire Gauge (AWG)	8 Ohm Load Power Loss	4 Ohm Load Power Loss	2 Ohm Load Power Loss
5 feet	18	0.81 %	1.61 %	3.2 %
5 feet	16	0.51%	1.02%	2.0%
5 feet	14	0.32%	0.64%	1.28%
5 feet	12	0.20%	0.40%	0.80%
5 feet	10	0.128%	0.25%	0.51%
5 feet	8	0.077%	0.15%	0.31%
10 feet	18	1.61%	3.20%	6.20%
10 feet	16	1.02%	2.00%	4.00%
10 feet	14	0.64%	1.28%	2.50%
10 feet	12	0.40%	0.80%	1.60%
10 feet	10	0.25%	0.51%	1.01%
10 feet	8	0.15%	0.31%	0.62%
20 feet	18	3.20%	6.40%	12.4%
20 feet	16	2.04%	4.00%	8.00%
20 feet	14	1.28%	2.56%	5.00%
20 feet	12	0.80%	1.60%	3.20%
20 feet	10	0.50%	1.02%	2.02%
20 feet	8	0.30%	0.62%	1.24%
40 feet	18	6.20%	11.9%	22.0%
40 feet	16	4.00%	7.70%	14.6%
40 feet	14	2.50%	5.00%	9.60%
40 feet	12	1.60%	3.20%	6.20%
40 feet	10	1.01%	2.00%	4.00%
40 feet	8	0.60%	1.20%	2.40%
80 feet	18	11.9%	22.0%	37.0%
80 feet	16	7.70%	14.6%	26.0%
80 feet	14	5.00%	9.60%	17.8%
80 feet	12	3.20%	6.20%	11.8%
80 feet	10	2.00%	4.00%	7.70%
80 feet	8	1.20%	2.40%	4.70%