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Subject: Re: Length of Speaker Wiring

Posted by [Wayne Parham](#) on Tue, 13 Nov 2018 15:52:19 GMT

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No need to estimate - You can calculate:

Wire gauge - Resistance per 100 feet (both conductors, e.g. 200 feet total path length)

24 - 5.134

22 - 3.228

20 - 2.030

18 - 1.277

16 - 0.803

14 - 0.505

12 - 0.318

10 - 0.200

to be 16 gauge or larger to meet this goal.

For acceptable results, you can double the cable resistance to 20%. That increases insertion loss to 17% which is approximately 1dB.