



## Speaker Cable Transmission Distance as a Function of Conductor Size vs. Loss

Speaker Cable Transmission Distance as a Function of Conductor Size vs. Loss									
AWG	Power Loss in Cable (% Loss & dB Loss)								
	4 Ohm Speaker			8 Ohm Speaker			70V Speaker*		
	11%	21%	50%	11%	21%	50%	11%	21%	50%
	0.5	1.0	3.0	0.5	1.0	3.0	0.5	1.0	3.0
<b>6</b>	277 ft	571 ft	1930 ft	554 ft	1141 ft	3859 ft	13580 ft	27965 ft	94548 ft
<b>8</b>	174 ft	359 ft	1214 ft	349 ft	718 ft	2428 ft	8546 ft	17598 ft	59498 ft
<b>10</b>	110 ft	226 ft	764 ft	219 ft	452 ft	1528 ft	5377 ft	11072 ft	37434 ft
<b>12</b>	69 ft	142 ft	480 ft	138 ft	284 ft	959 ft	3376 ft	6952 ft	23505 ft
<b>14</b>	43 ft	89 ft	302 ft	87 ft	179 ft	604 ft	2127 ft	4380 ft	14809 ft
<b>16</b>	27 ft	55 ft	185 ft	53 ft	110 ft	371 ft	1305 ft	2687 ft	9085 ft
<b>18</b>	17 ft	35 ft	117 ft	34 ft	69 ft	234 ft	823 ft	1694 ft	5726 ft
<b>20</b>	11 ft	22 ft	74 ft	21 ft	44 ft	147 ft	518 ft	1068 ft	3610 ft
<b>22</b>	7 ft	13 ft	46 ft	13 ft	27 ft	91 ft	321 ft	661 ft	2234 ft
<b>24</b>	4 ft	9 ft	29 ft	8 ft	17 ft	57 ft	202 ft	417 ft	1409 ft

**The number of feet of cable you can run for a given loss and performance budget.**

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