

Wire Run Length (feet)	Wire Size (AWG) / $\Omega$ per foot					
	18 / 0.00692	16 / 0.00435	14 / 0.00273	12 / 0.00171	10 / 0.00108	8 / 0.000641
20	0.2768	0.174	0.1092	0.0684	0.0432	0.02564
40	0.5536	0.348	0.2184	0.1368	0.0864	0.05128
60	0.8304	0.522	0.3276	0.2052	0.1296	0.07692
80	1.1072	0.696	0.4368	0.2736	0.1728	0.10256
100	1.384	0.87	0.546	0.342	0.216	0.1282
120	1.6608	1.044	0.6552	0.4104	0.2592	0.15384
140	1.9376	1.218	0.7644	0.4788	0.3024	0.17948
160	2.2144	1.392	0.8736	0.5472	0.3456	0.20512
180	2.4912	1.566	0.9828	0.6156	0.3888	0.23076
200	2.768	1.74	1.092	0.684	0.432	0.2564
220	3.0448	1.914	1.2012	0.7524	0.4752	0.28204
240	3.3216	2.088	1.3104	0.8208	0.5184	0.30768
260	3.5984	2.262	1.4196	0.8892	0.5616	0.33332

**Wire Run Resistance ( $\Omega$ ) based on Wire AWG and Length of Run  
(Wire Run Length x 2 x  $\Omega$  / ft.)**