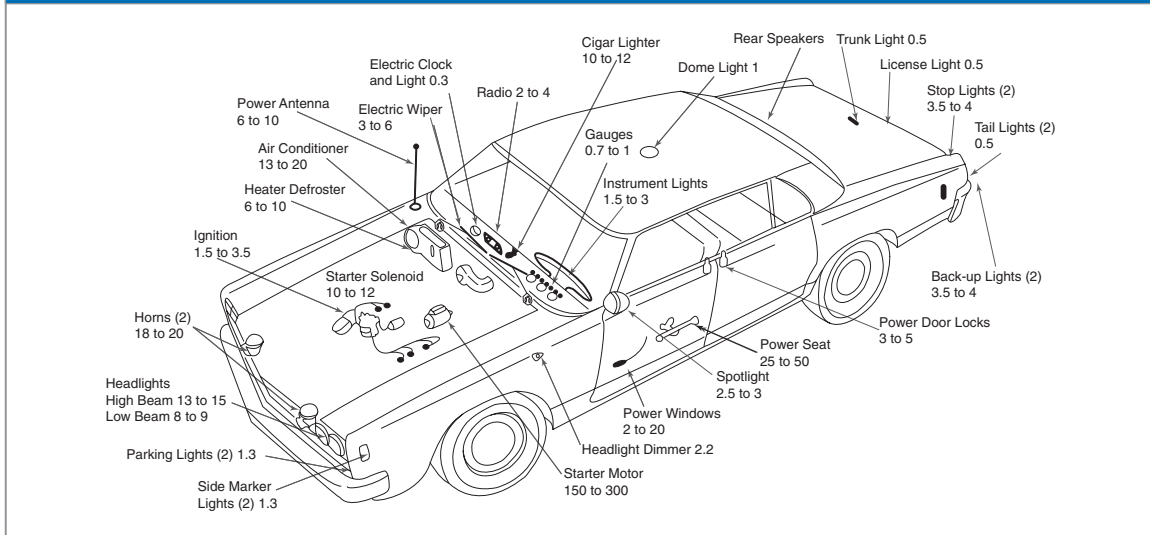


Wire Gauge Chart

Amp Capacity		Total Length of Wire in Circuit from Power Supply to Accessory									
12 Volt	6 Volt	10-ft	20-ft	30-ft	40-ft	50-ft	60-ft	70-ft	80-ft	90-ft	100-ft
1.0	0.5	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga
1.5	0.8	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga
2.0	1.0	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	18 ga	16 ga	16 ga
3.0	1.5	18 ga	18 ga	18 ga	18 ga	18 ga	16 ga	16 ga	16 ga	16 ga	14 ga
4.0	2.0	18 ga	18 ga	18 ga	16 ga	16 ga	16 ga	14 ga	14 ga	14 ga	12 ga
5.0	2.5	18 ga	18 ga	18 ga	16 ga	14 ga	14 ga	14 ga	14 ga	12 ga	12 ga
6.0	3.0	18 ga	18 ga	16 ga	16 ga	14 ga	14 ga	12 ga	12 ga	12 ga	10 ga
7.0	3.5	18 ga	18 ga	16 ga	14 ga	14 ga	12 ga	12 ga	12 ga	12 ga	10 ga
8.0	4.0	18 ga	16 ga	16 ga	14 ga	12 ga	12 ga	12 ga	12 ga	10 ga	10 ga
10.0	5.0	18 ga	16 ga	14 ga	12 ga	12 ga	12 ga	10 ga	10 ga	10 ga	10 ga
11.0	5.5	18 ga	16 ga	14 ga	12 ga	12 ga	10 ga	10 ga	10 ga	10 ga	8 ga
12.0	6.0	18 ga	16 ga	14 ga	12 ga	12 ga	10 ga	10 ga	10 ga	10 ga	8 ga
15.0	7.5	18 ga	14 ga	12 ga	12 ga	10 ga	10 ga	10 ga	10 ga	8 ga	8 ga
18.0	9.0	16 ga	14 ga	12 ga	10 ga	10 ga	8 ga	8 ga	8 ga	8 ga	8 ga
20.0	10.0	16 ga	12 ga	12 ga	10 ga	10 ga	8 ga	8 ga	8 ga	8 ga	6 ga

Note: This chart is based on a 10% maximum voltage drop. For 5% voltage drop, use double the measured wire length. When mechanical strength is a factor, use next larger wire gauge.

Primary Wiring Amperage Guide: Amperage based on typical 12 volt system.



Wire Gauge Chart

Metric (mm2)	SAE AWG (gauge)	Ohms per 1000-ft	Metric (mm2)	SAE AWG (gauge)	Ohms per 1000-ft
0.5	20	10.0	13.0	6	0.4
0.8	18	6.9	19.0	4	0.3
1.0	16	4.7	32.0	2	0.2
2.0	14	2.8	40.0	1	0.14
3.0	12	1.8	50.0	0	0.11
5.0	10	1.1	62.0	00	0.09
8.0	8	0.7			

