

| Amps @ 12 Volts | LENGTH OF WIRE American Wire Gauge (AWG) | | | | | | |
|----------------------------|--|-----------|-----------|------------|------------|------------|------------|
| | 3' | 5' | 7' | 10' | 15' | 20' | 25' |
| 0 to 1 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 1.5 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 2 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 3 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 5 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 6 | 18 | 18 | 18 | 18 | 18 | 18 | 16 |
| 7 | 18 | 18 | 18 | 18 | 18 | 18 | 16 |
| 8 | 18 | 18 | 18 | 18 | 18 | 16 | 16 |
| 10 | 18 | 18 | 18 | 18 | 16 | 16 | 14 |
| 11 | 18 | 18 | 18 | 18 | 16 | 16 | 14 |
| 12 | 18 | 18 | 18 | 18 | 16 | 16 | 14 |
| 15 | 18 | 18 | 18 | 18 | 14 | 14 | 12 |
| 18 | 18 | 18 | 16 | 16 | 14 | 14 | 12 |
| 20 | 18 | 18 | 16 | 16 | 14 | 12 | 10 |
| 22 | 18 | 18 | 16 | 14 | 12 | 12 | 10 |
| 24 | 18 | 18 | 16 | 14 | 12 | 12 | 10 |
| 30 | 18 | 16 | 14 | 12 | 10 | 10 | 10 |
| 36 | 16 | 14 | 14 | 12 | 10 | 10 | 10 |
| 40 | 16 | 14 | 12 | 12 | 10 | 10 | 8 |
| 50 | 16 | 14 | 12 | 10 | 10 | 10 | 8 |
| 100 | 12 | 12 | 10 | 10 | 6 | 6 | 4 |
| 150 | 10 | 10 | 8 | 8 | 4 | 4 | 2 |
| 200 | 10 | 8 | 8 | 6 | 4 | 4 | 2 |