

Figure 14: Wire Size Table

| Maximum Distance To Compressor Unit From Battery AND Back to Battery From Compressor Unit (round-trip length) | Gauge AWG |
|---|--------------|
| 4 feet and under 1.2 meters and under | #14 |
| 5 to 10 feet 1.5 to 3.1 meters | #12 |
| 11 to 17 feet 3.4 to 5.2 meters | #10 |
| 18 to 27 feet 5.5 to 8.2 meters | #8* |
| 28 to 35 feet 8.5 to 10.7 meters | #6* |
| 36 to 50 feet 11 to 15.2 meters | #4* |

*The terminal block on the junction box will accept #10 AWG wire maximum. If you need to run heavier wiring, you should terminate it at a suitably sized heavy terminal strip and run #10 AWG from there to your condensing unit.