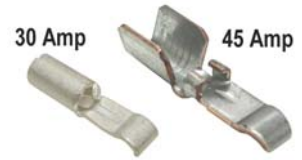


The difference between the 30 Amp and 45 Amp connectors is the contact type used. The housings are the same size. The 30 Amp connector is made for wires ranging from 16-12 AWG and the 45 Amp contact is for 14-10 AWG wire.



1. Strip the wires 5/16".



2. Ensure the contacts are aligned properly. Crimp the contacts using a Powerpole® crimp tool. When using the crimp tool, do not deform the contacts. Soldering is optional.



3. The housings have built-in interlocking tabs so you can connect them together. Interlock one red and one black housing as shown. Note how the ends of the housings are in the same direction as shown.



4. Insert the contacts into the housings (red or positive to red, black or ground to black) as shown. Make sure the contacts are facing the proper way. Push them in all the way. When you hear the 'click', the contact is fully seated in the housing.



The above cut away view shows two Powerpole® housings connected to each other. This view shows how the contacts face each other and the locking tabs that are internal to the housings.

5. Insert one roll pin in the hole that is formed when the two housings are interlocked. The roll pin will prevent the housings from coming loose. Some users prefer to use either a round tooth pick, fill the hole with RTV, or use a glue to hold the housings together instead of using the supplied roll pin.