



Use Guide  
for the Anderson powerpoles connectors  
30A and 45A

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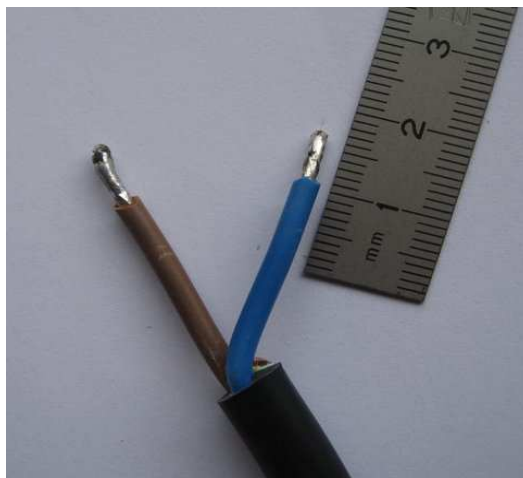
## 1 . Introduction : set or solder ?

If you do not have pliers to set specifically for Anderson connectors, **I advise to solder** instead of setting with **unsuitable pliers**. You take the risk of damaging the metallic connector and make impossible the insertion of the latter into the plastic Anderson plug.

A badly made Anderson plug can entail various anomalies of the equipment.

## 2 . Preparation of the cable

For a better resistance of the connection, you can tin the ends of the wires of the power cable.



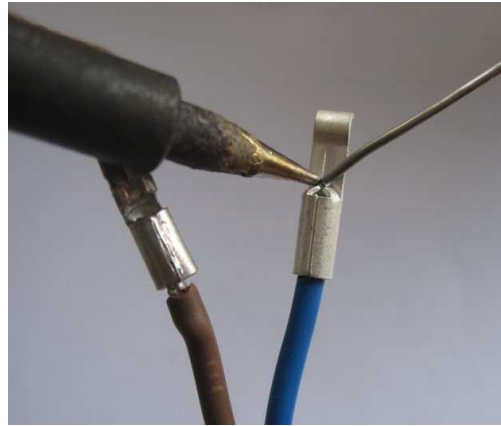
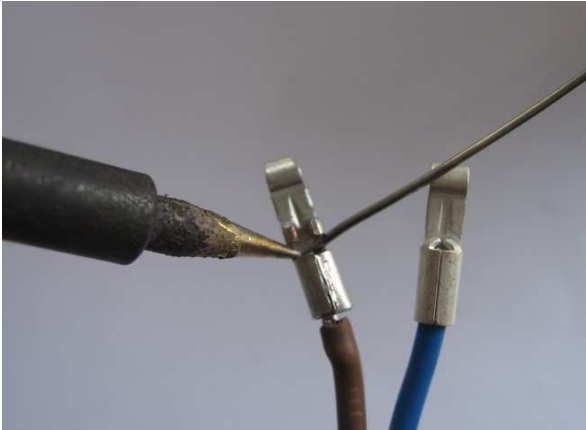
## 3 . Setting up the Anderson connector 45A

With universal pliers, pinch the side pins of the connector on the wire previously tinned .



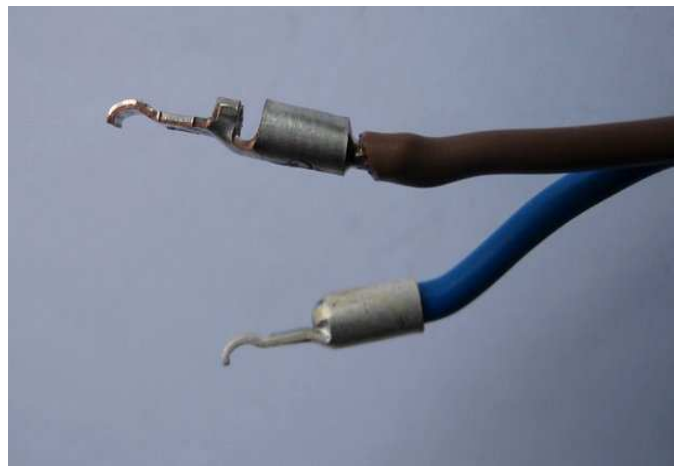
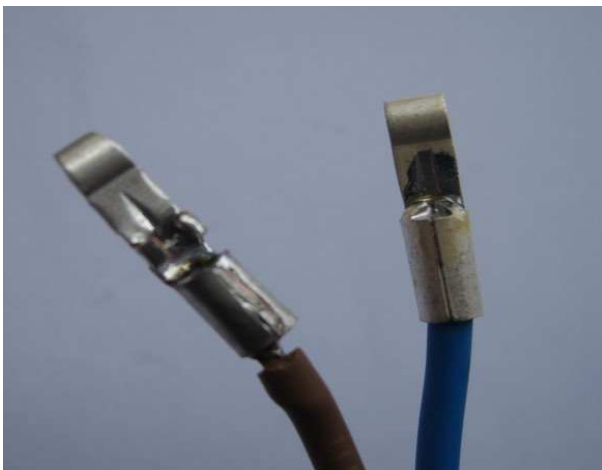
## 4 . Soldering the Anderson connectors

Put the cable vertically, then with a soldering iron, put a drop of tin. By capillarity, the tin will get into the connector and join the whole.



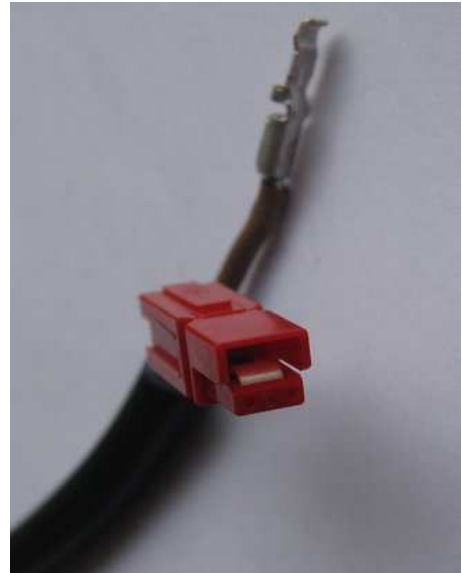
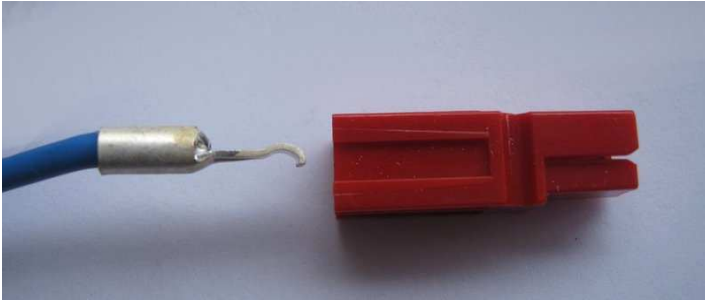
**Important :** Do not put more tin, there must be no thickness.

Here is the result :

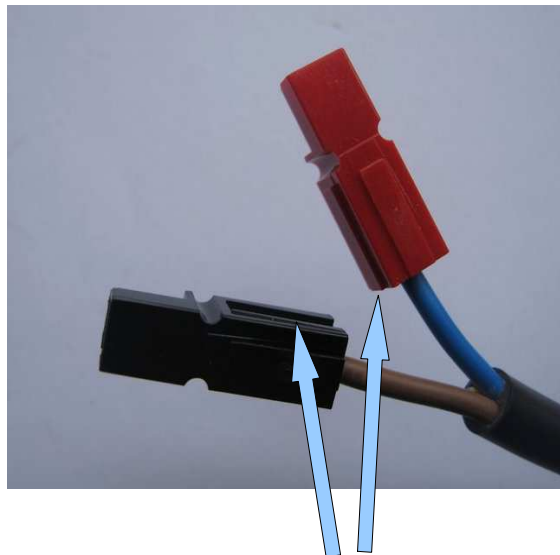


## 5 . Assembling the connector into the Anderson plug

Insert the connector until you hear a « **clac** ». It is only after the « **clac** » that you can be sure the insertion is right.



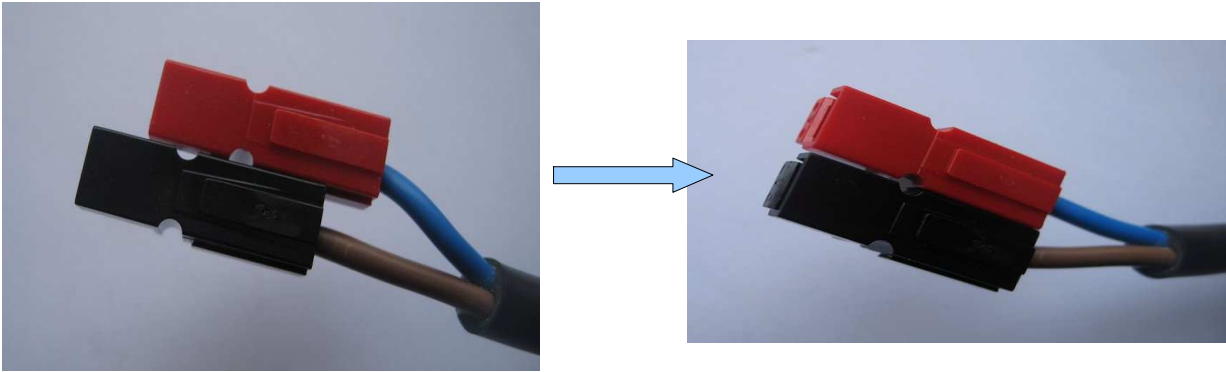
Here is the result :



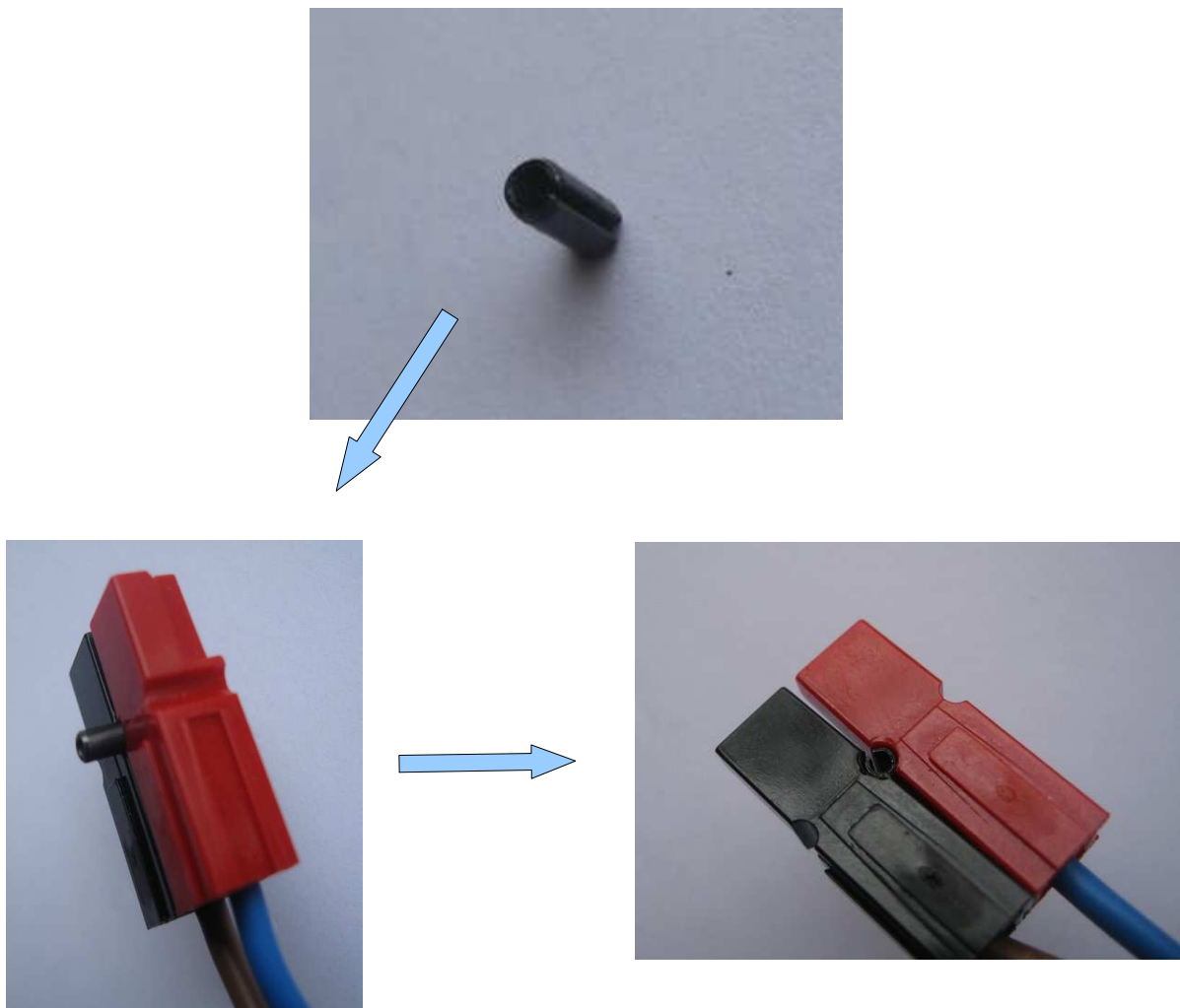
Side rabbets for the assembly, see next step

## 6 . End of assembly

Assemble both Anderson plugs thanks to the side rabbets (see picture on the previous page).



Insert the pin the the newly made plug.



## 7 . Internal view

Here is an internal view of both Anderson plugs when connected.



## 8 . Use and lifespan

Anderson Powerpoles plugs 30A and 45A are reliable and resistant. They resist to vibrations and are conceived for 10 000 connections.

When they are used with an electric kit, you can hear a little « **clac** » and see a spark at the connection.

This is normal, the condenser of the controller is charging and with time this may entail a corrosion of the Anderson connector and reduce its lifespan. You need to replace the metallic connectors at this point.