

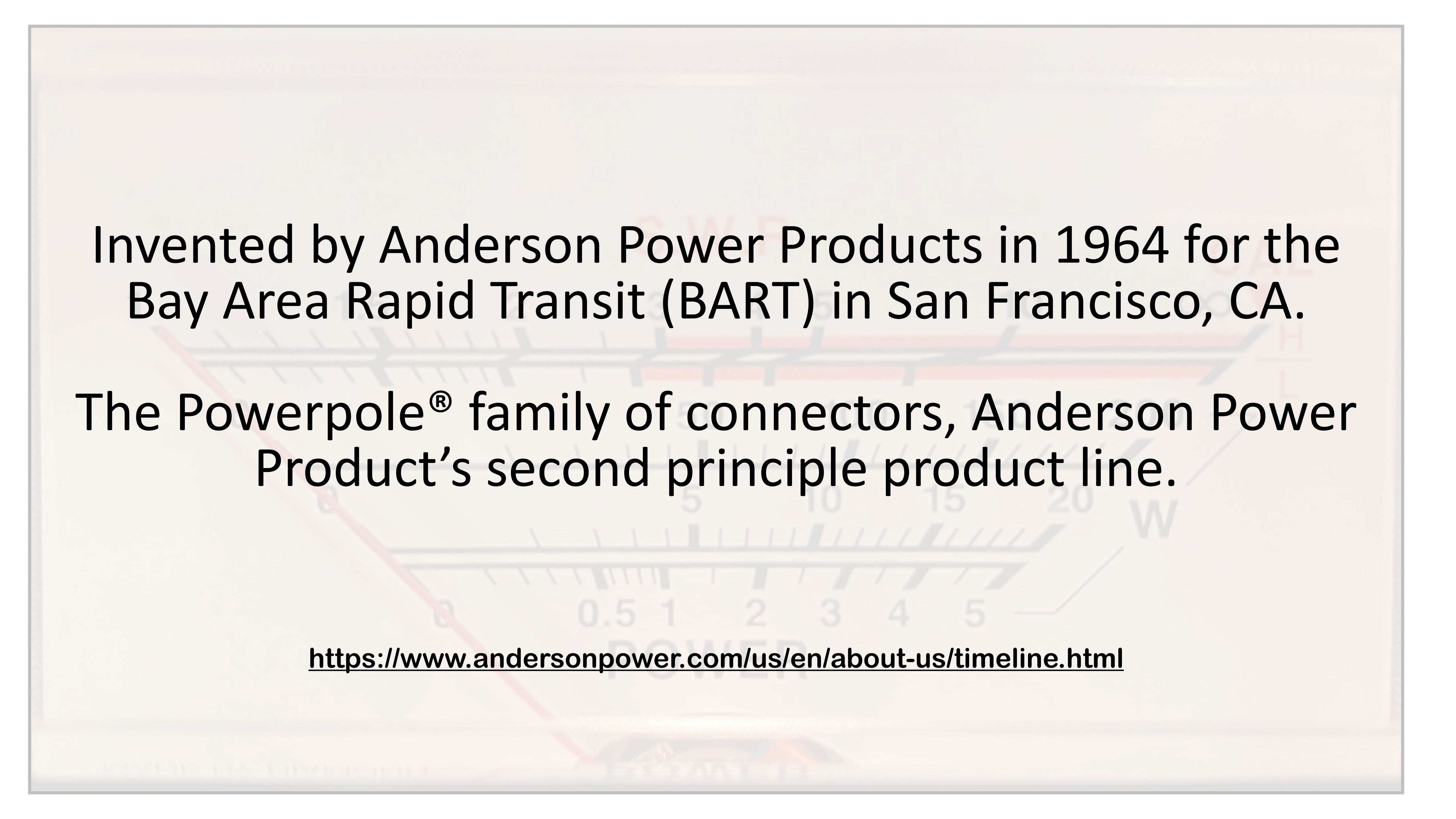
WORKING...



Anderson Powerpoles®

20-FEB-2021

RJ
KC4LRR



Invented by Anderson Power Products in 1964 for the Bay Area Rapid Transit (BART) in San Francisco, CA.

The Powerpole® family of connectors, Anderson Power Product's second principle product line.

<https://www.andersonpower.com/us/en/about-us/timeline.html>

Anderson Powerpoles® are:

**Cute Little Things
Genderless Design
Self Cleaning
Silver Plated Contacts
Color Coded Housings
Molded Dovetails
Available in Lots of colors**

In the Amateur Radio world we use
15A, 30A and 45A Powerpoles®.

All 3 use the same plastic case.

10ga wire requires a 45A connector

12ga - 16ga a 30A connector

18ga and smaller a 15A connector



15A, 30A & 45A Connectors, Cases and Powerpole® Tool

Some equipment comes with Powerpole® connections from the factory.



MFJ-4230MVP Power Supply



Ten-Tec Eagle 599 AT



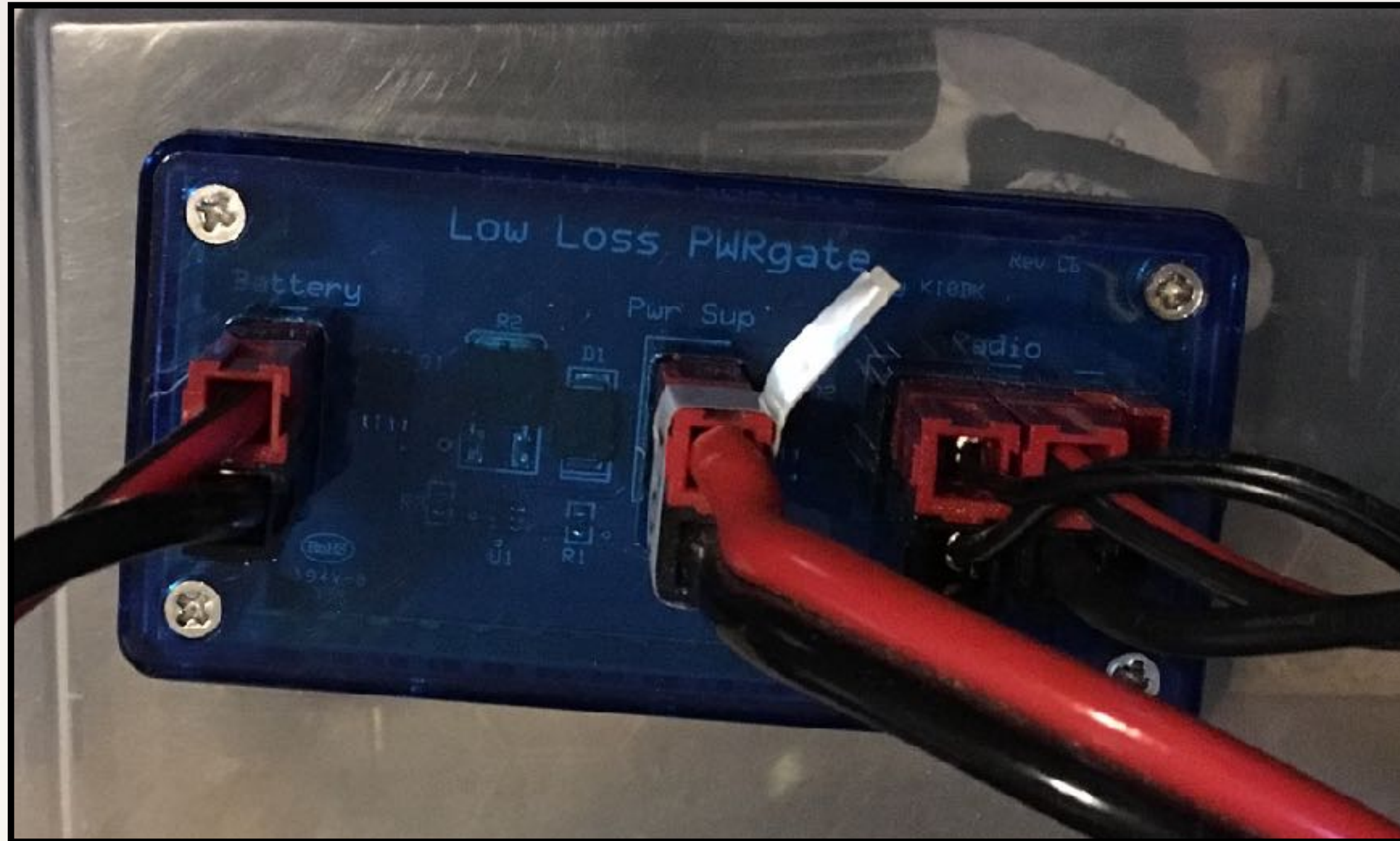
Elecraft KXPA100AT



**Harden Power Systems BATPAC
on my Portable Ops Battery**



**Solar Charger for said
Portable Ops Battery**



Low Loss PWRgate



**MFJ-4416C Super Battery Booster
and QuickSilver Shack Battery Case**



**West Mountain Radio RIRunner
40Amp 04 connectors with USB**



In my Truck. 12V from battery. Power to HF mobile, VHF/UHF mobile and an Ameritron antenna controller for the Tarheel antenna.



10A 12V Cigarette Lighter Adapter

The background is a faded image of a vintage SWR (Standing Wave Ratio) meter. It features several horizontal scales. The top scale is labeled 'S.W.R.' in red and has markings from 1 to 10, with an infinity symbol at the far right. Below it is a scale labeled 'CAL' in red with a red triangle pointing to the infinity symbol. Further down is a scale labeled 'H' and 'L' in red. The bottom scale is labeled 'POWER' in large, bold, black letters and has markings from 0 to 20. A red needle is visible, pointing towards the left side of the scales. The overall image has a light beige or cream color with a subtle texture.

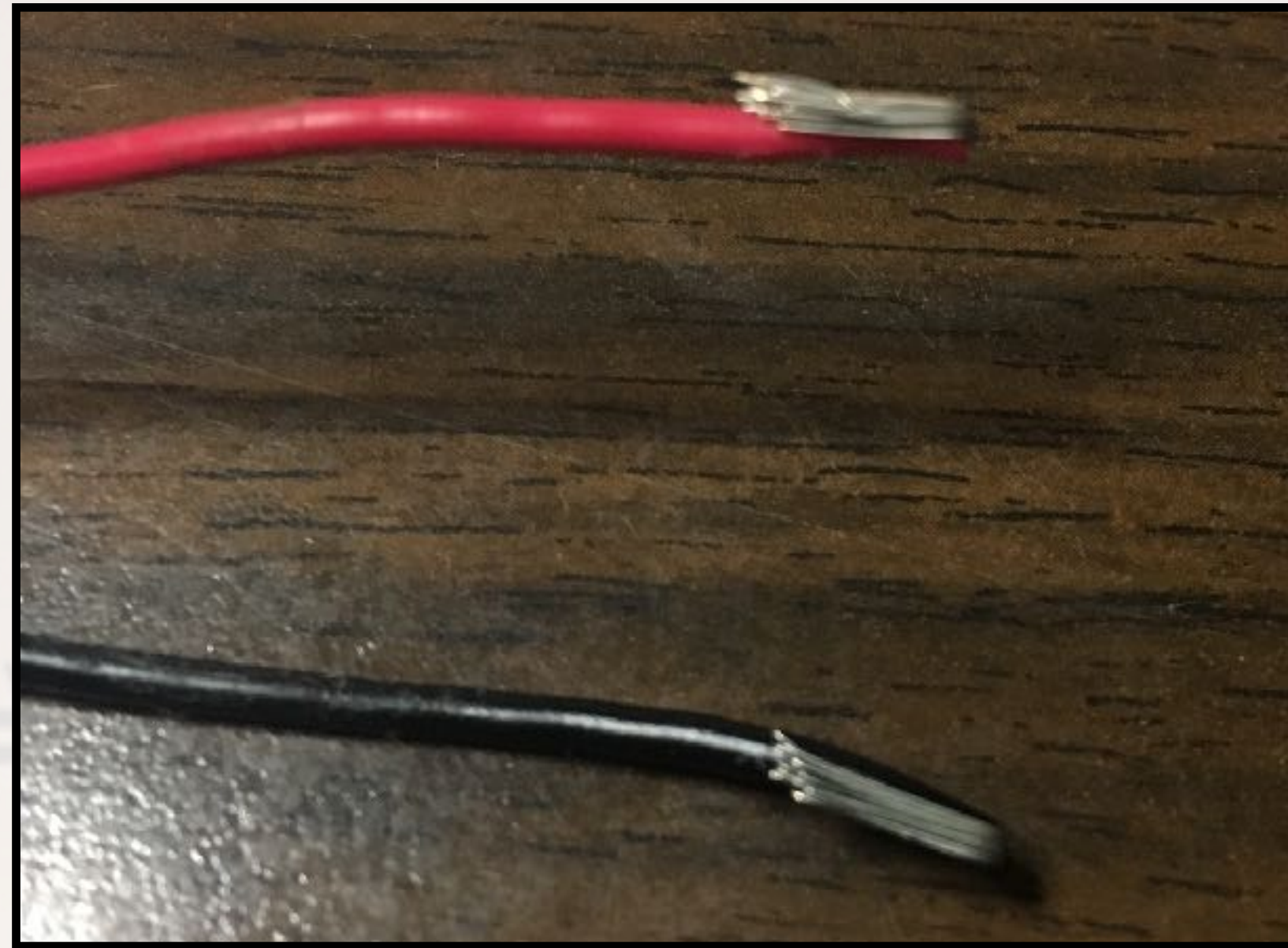
Crimp or Solder ??

That depends on your Crimping and Soldering skills.



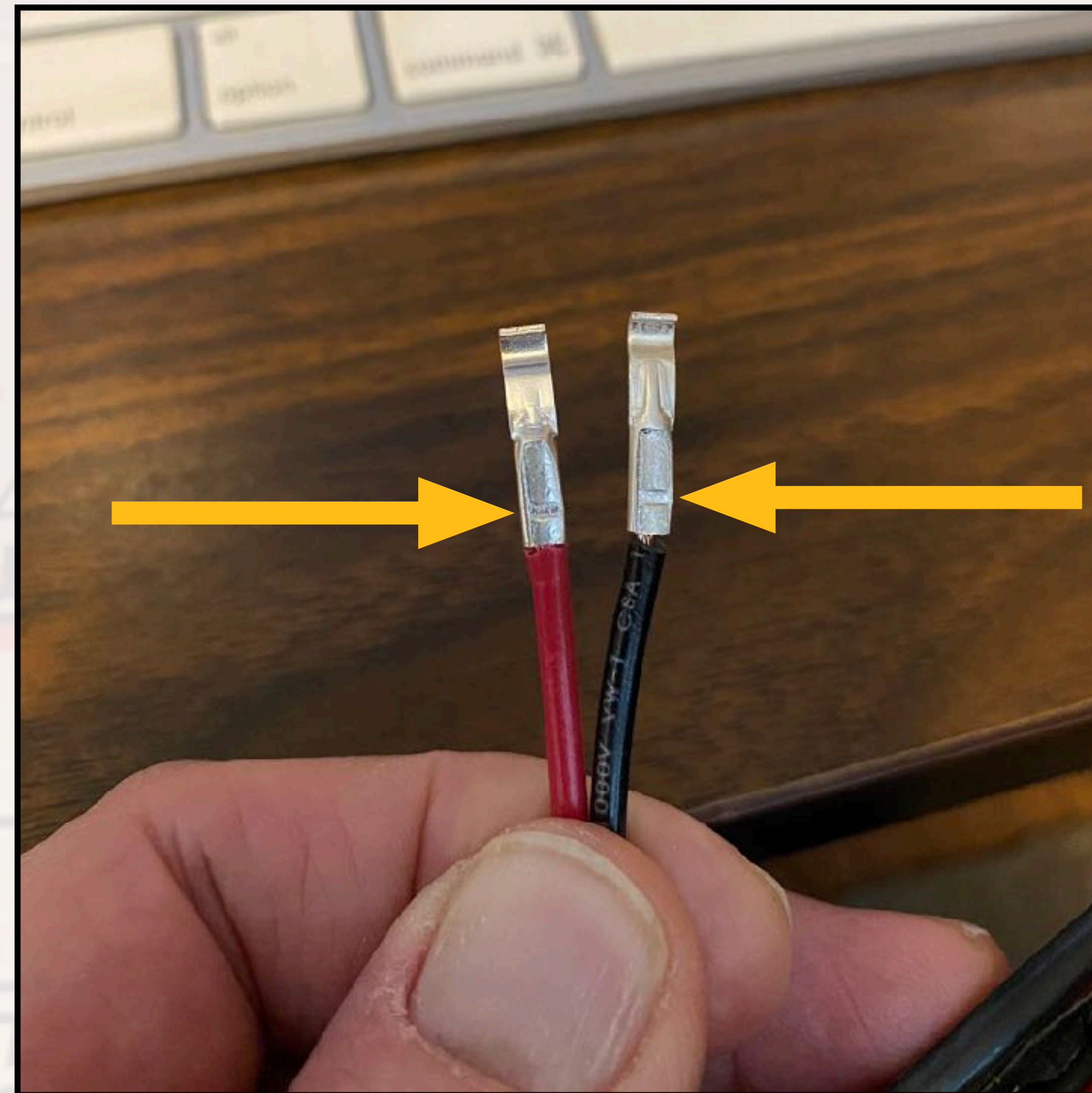
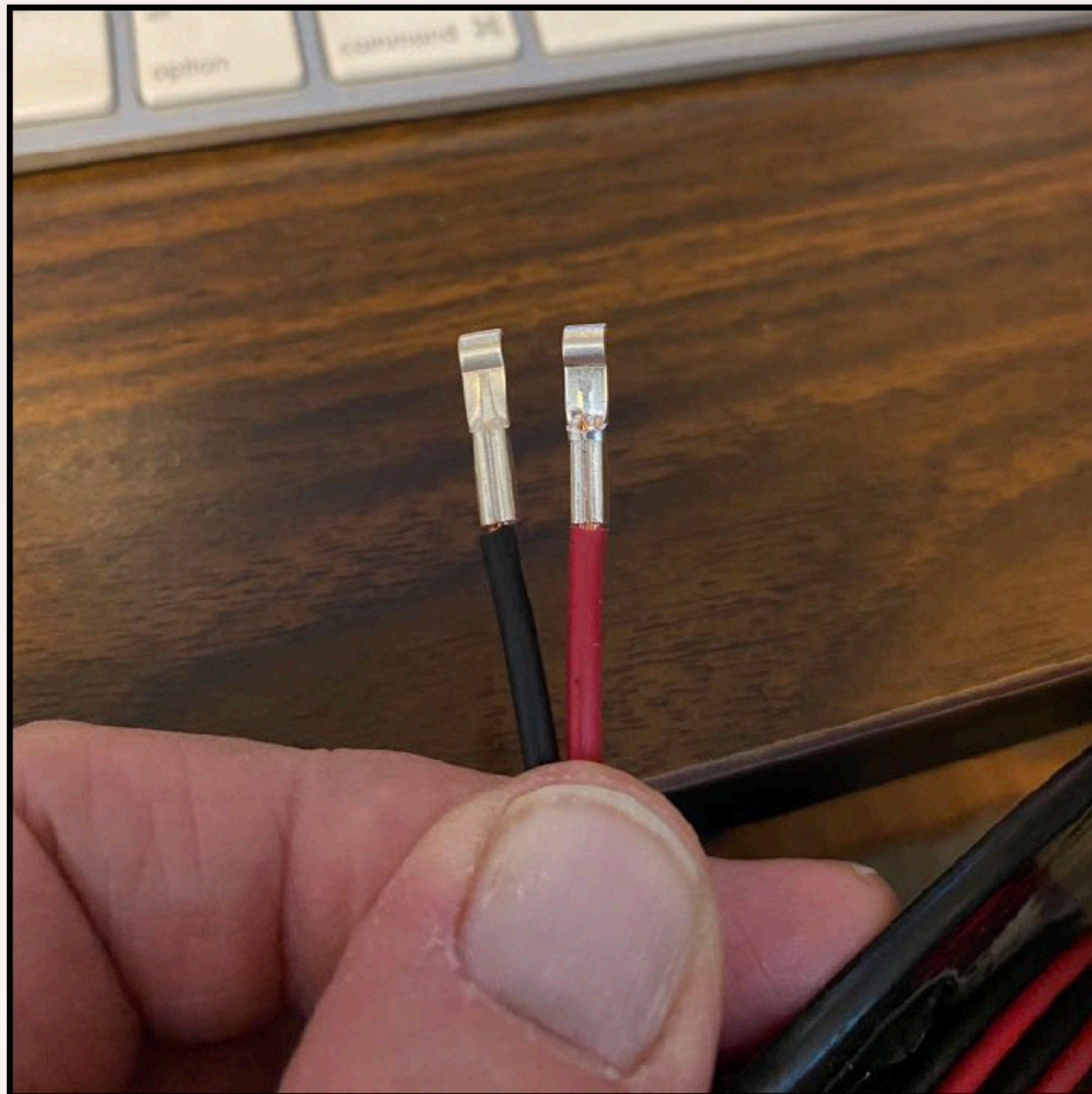
West Mountain Radio Powerpole® Crimper

**Do Not try using a normal ring and spade terminal crimper.
You will waste connectors and get very frustrated...**

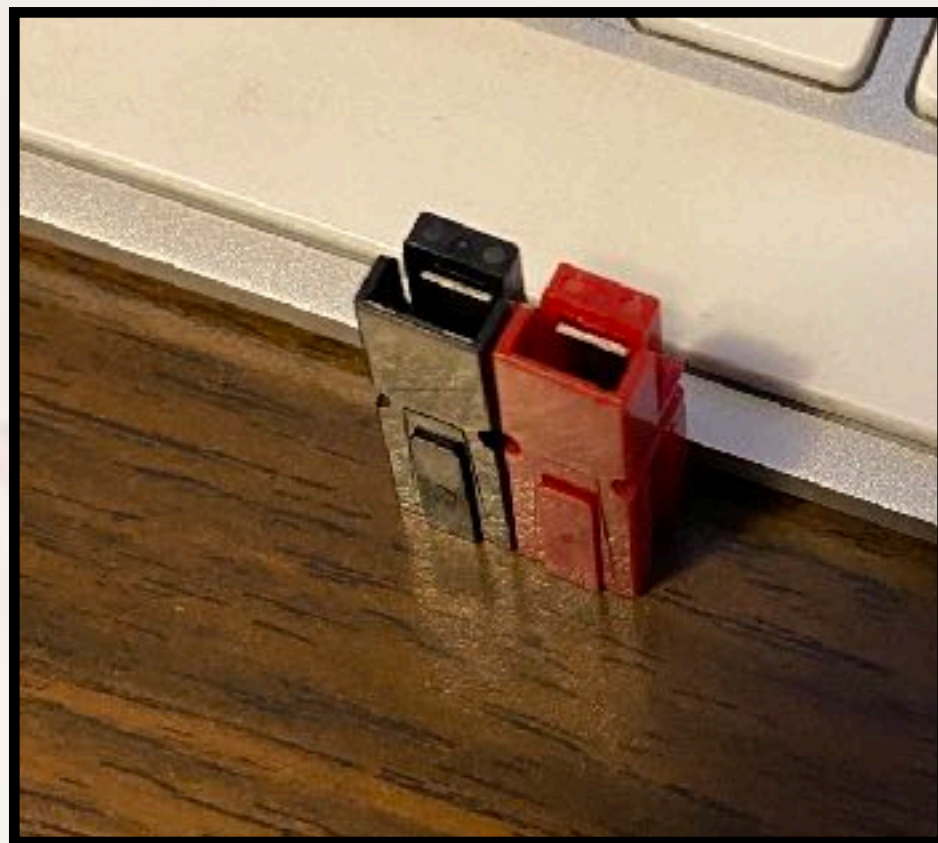


Small gauge wire in a 15A connector tends to break easy.

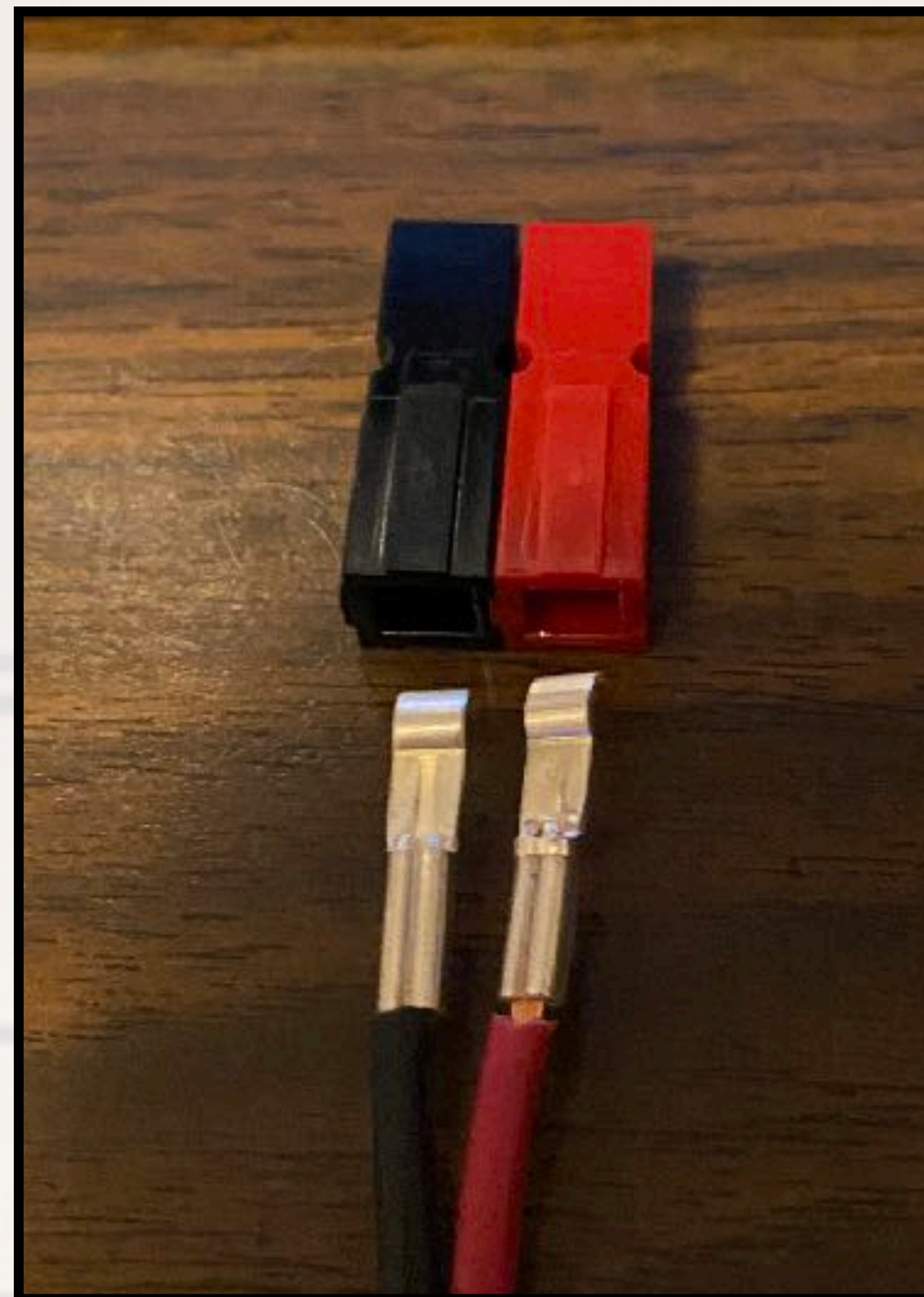
Fold your wire over the insulation for a stronger connection. Use a 30A connector if needed.



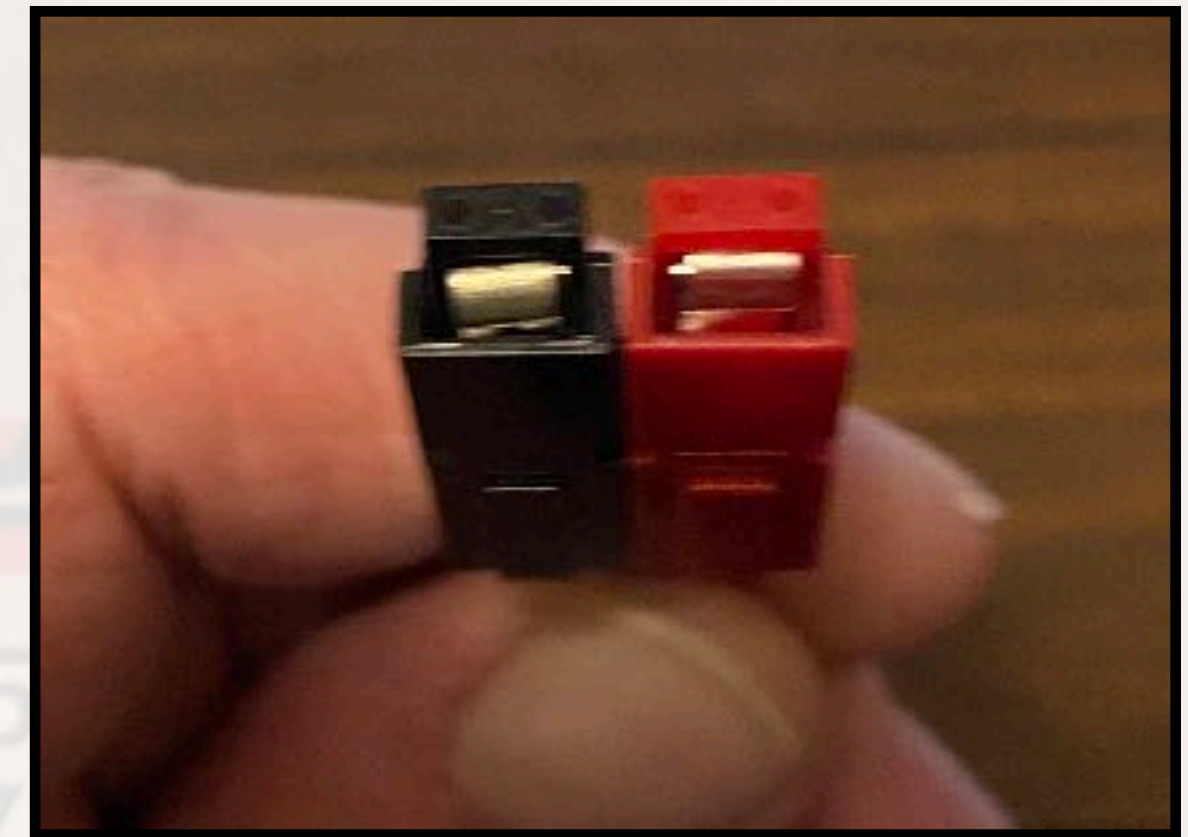
**Crimps around and across (see arrows)
15A powerpoles® on 18/2 zip wire.**



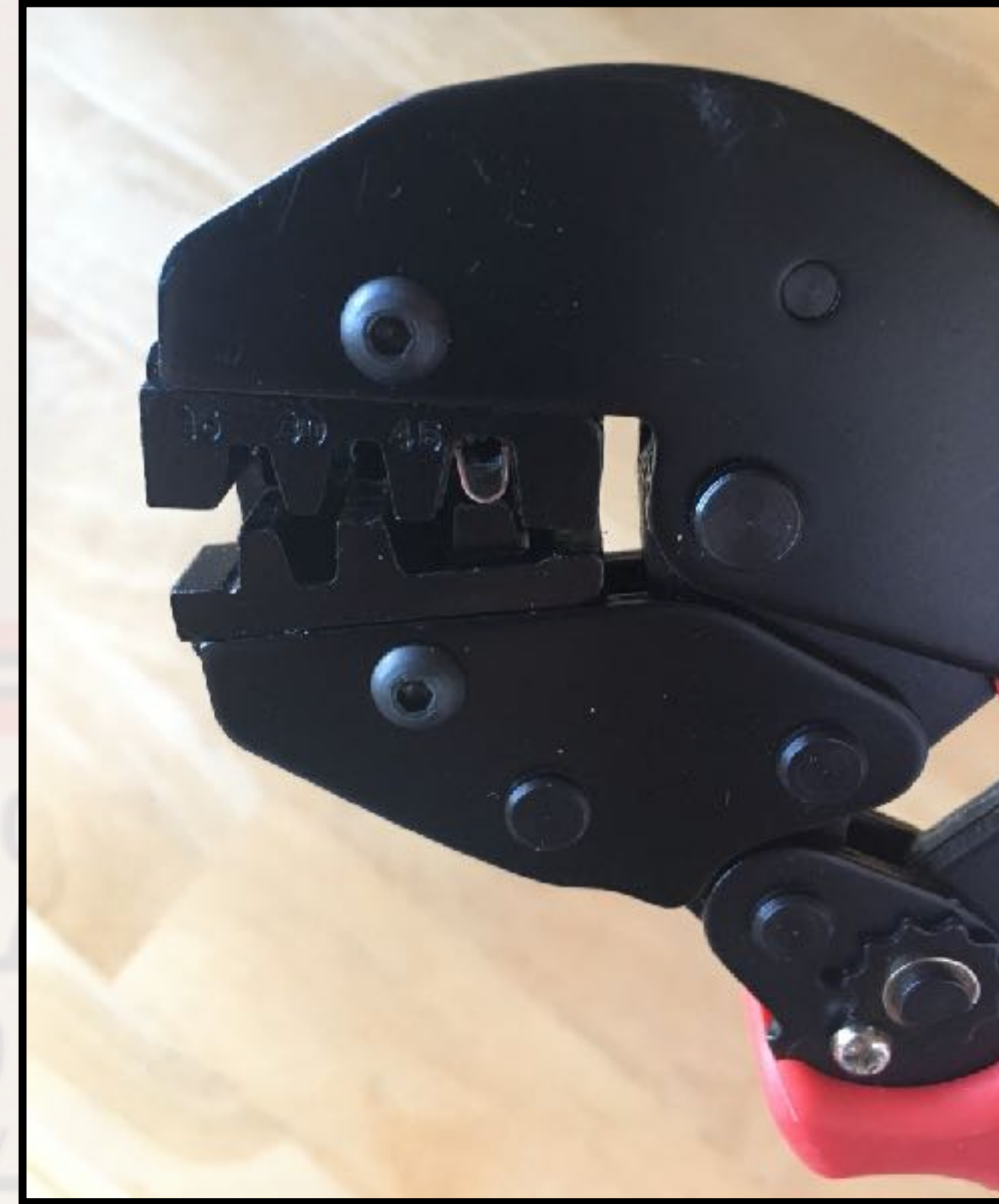
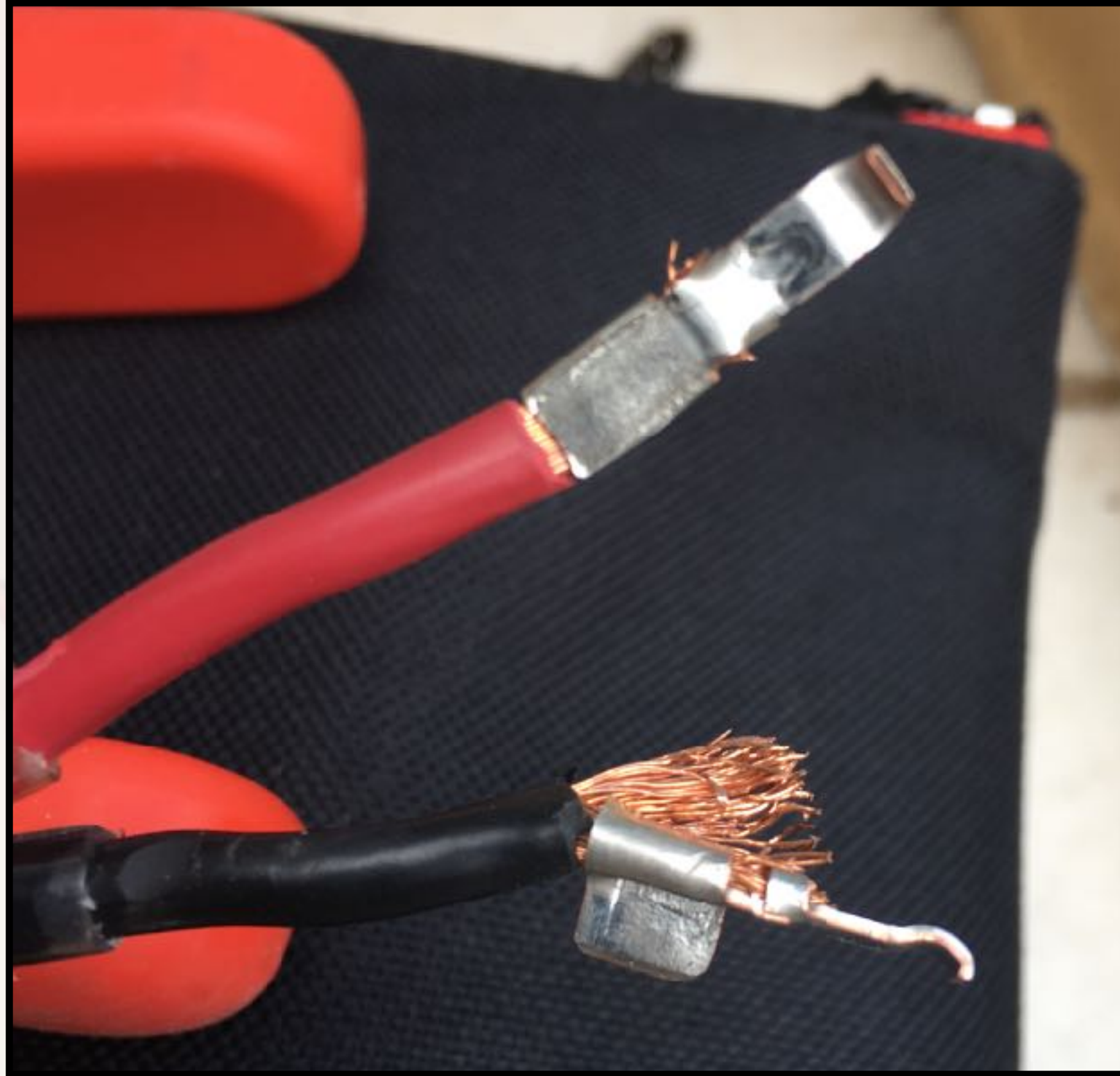
**Red on Right
Tongue on Top**



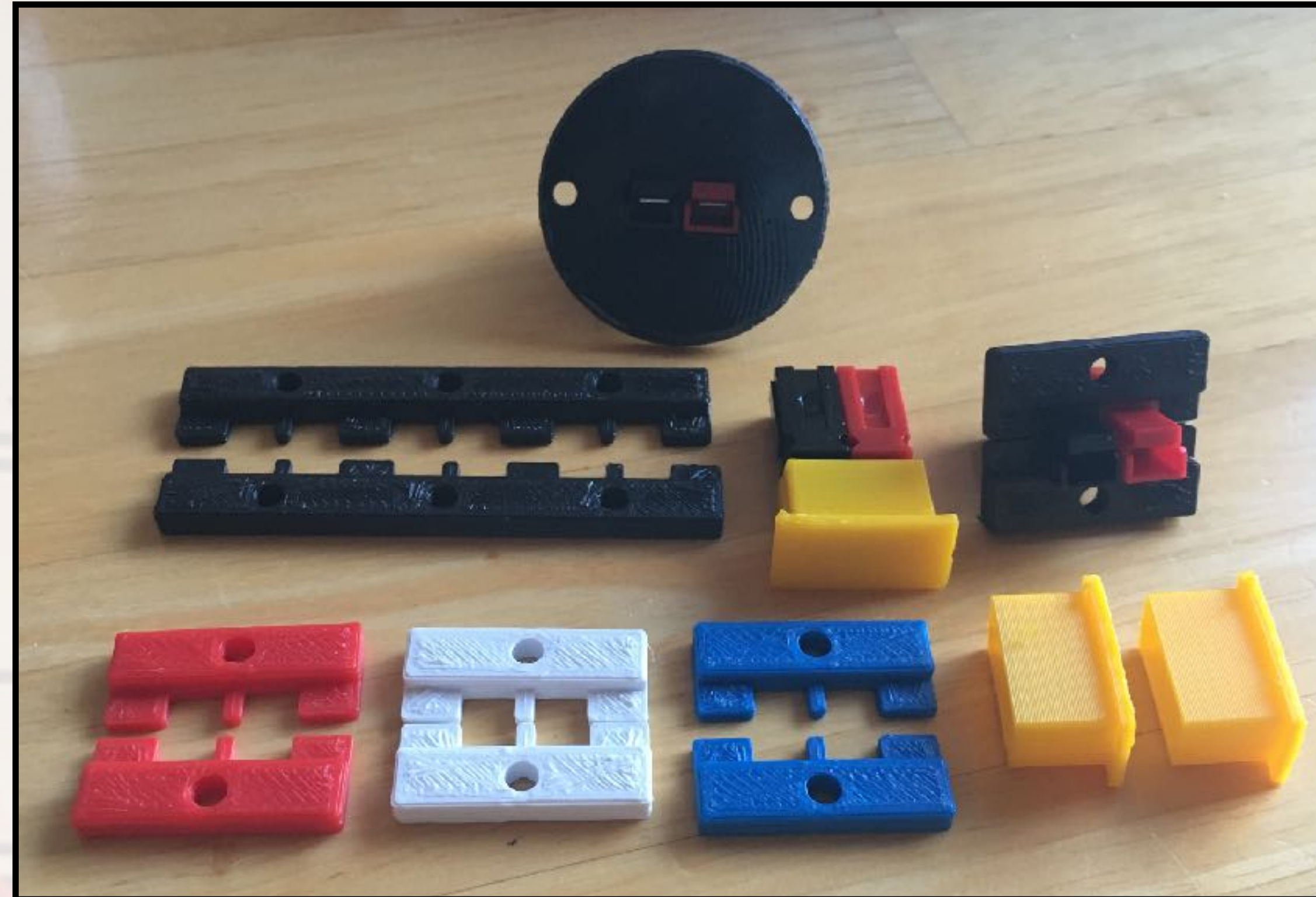
**Crimp the wires:
Red on Right
Hook Down
Insert wires**



**Red on Right
Tongue on Top**



Sometimes 45A Powerpoles® Do Not Crimp As Planned



Retail and 3D Printed Chassis Mounts & Covers



Equipment ground wires in my shack have green powerpoles®.
They make it a lot easier to move equipment.



Get Creative.

**12V (Black and Red)
and 15V-25V (Blue and Gray)
powerpole® connectors for a BitX 40.**

Up to 20W power out with 15V-25V input.

**But don't plug 15V-25V into the 12V
connection. You will let the smoke out.**

**So we used different colors and
turned them sideways.**



Get Creative.

My Lionel Christmas Train accessories are wired with Powerpoles®

RJ's Box



**Powerpoles®
Crimper
Mounts**

**Powerpoles®
BaNana Connectors**

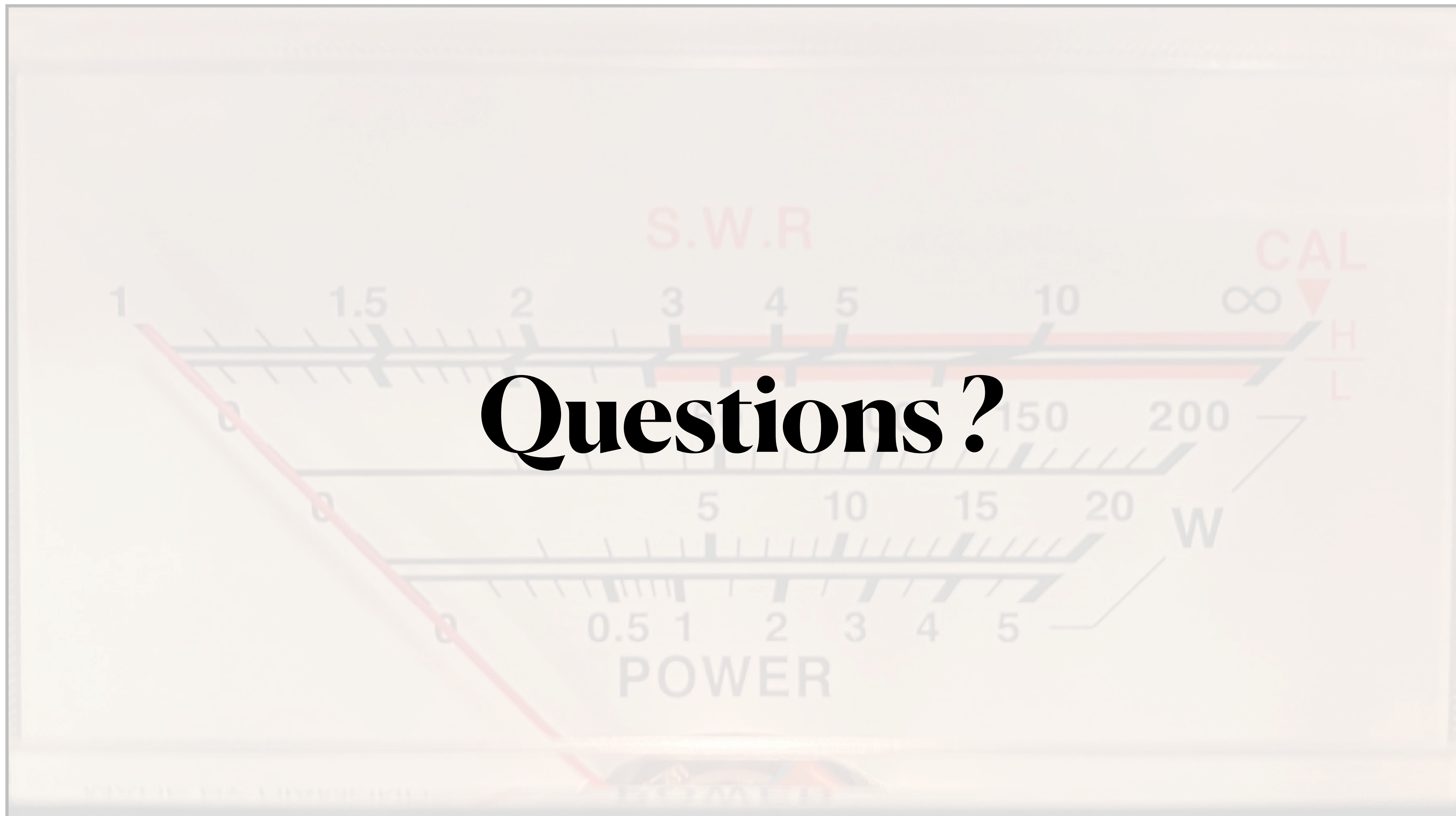
**Ring Connectors
Spade Connectors
RJ45 Connectors**

**PL-259s
RF Adaptors**

**Wire
Powerpoles®**



Questions?



The End



Fancy Rose, the Calico Cat, was not harmed while making this presentation.