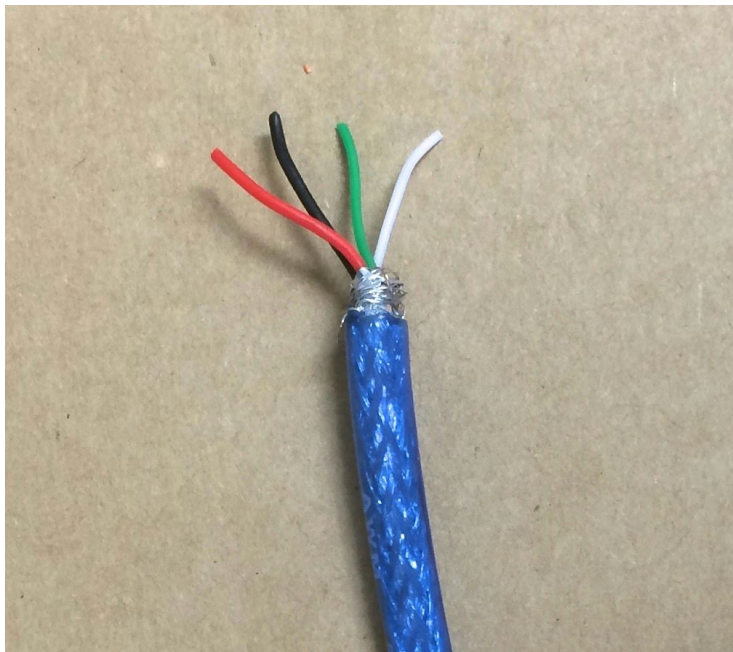Step 1.
Cut a USB Cable in half.

Step 2.
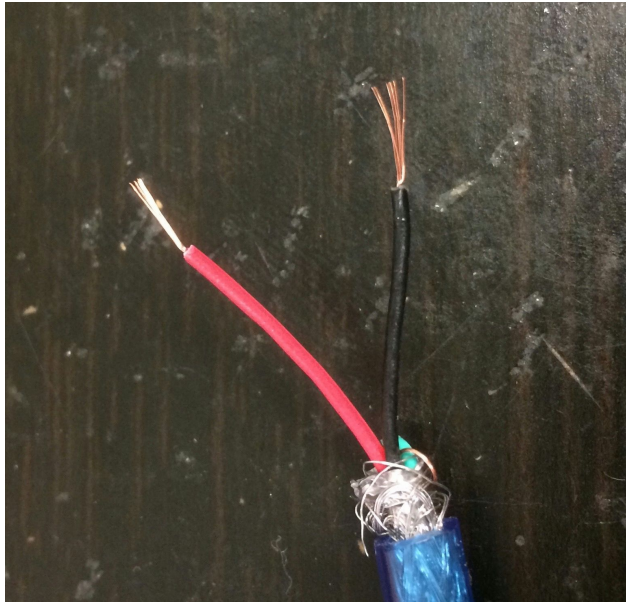Remove Insulation and Shielding and Expose Wires.
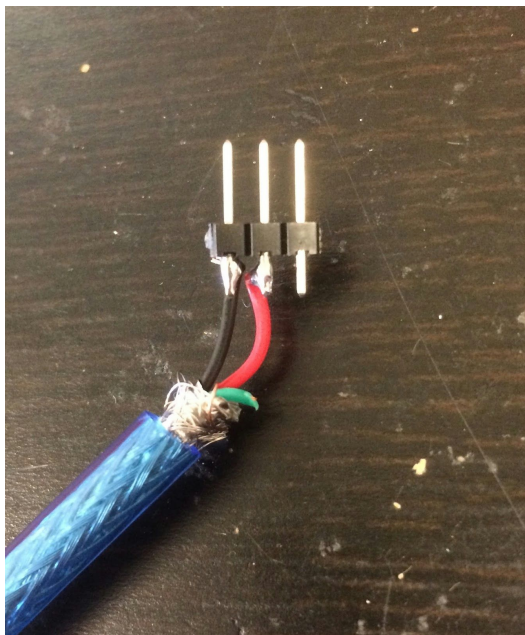Red = + 5V
Black = Ground
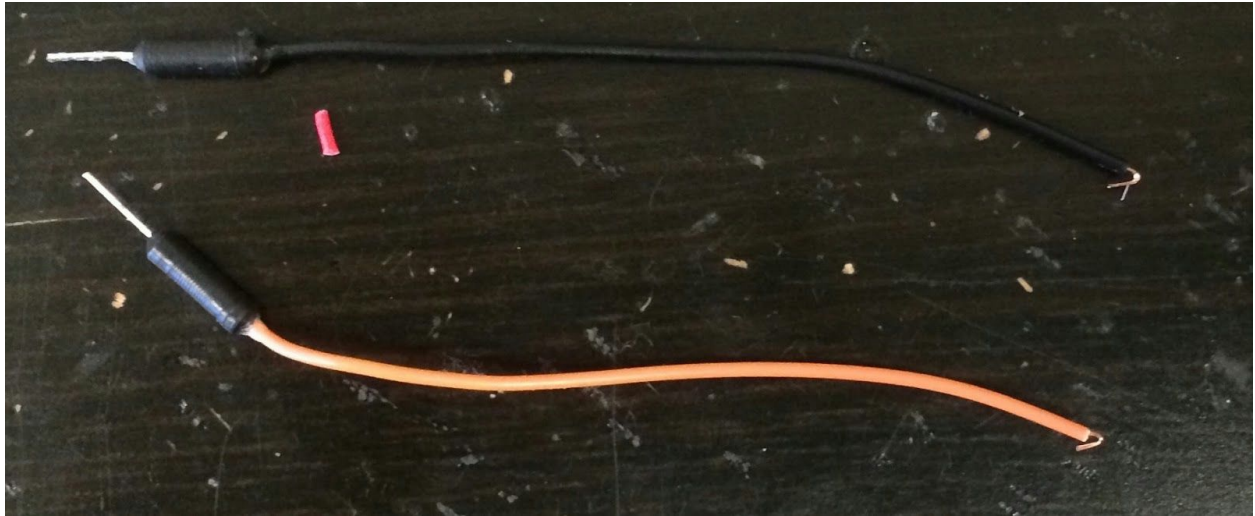Green, White = Signal (we don't use)

Step 3: Cut off White and Green wires, and expose some insulation to red and black wire
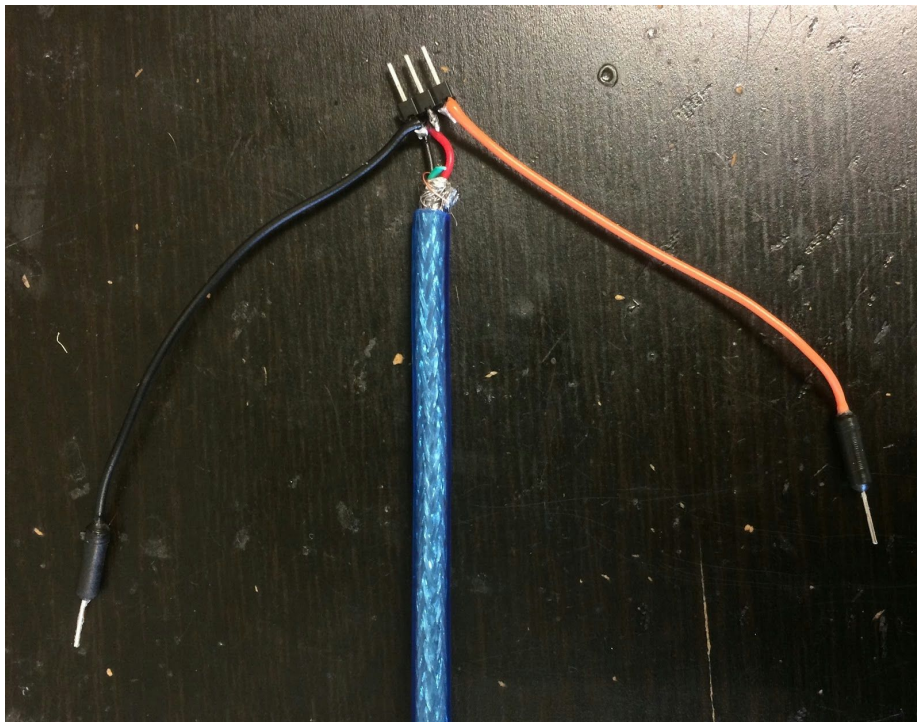

Step 4. Solder the black wire (ground) to the side of a 3 pin head, and the red (power) to the middle.

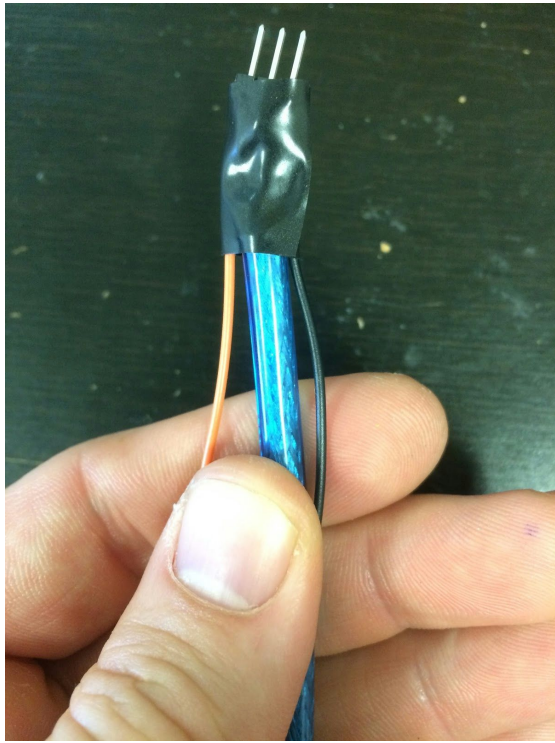Step 5: Find and Cut Orange and Black Header Connector Wire

Step 6: Solder Black Wire to the Ground, and the Orange to the Other Side.

Step 7: Protect with Electrical Tape to Avoid Shorts Due to Frequent Connections and Disconnects During Demos (Unseen in photo, I have electrical tape passing in between the solder joints).

Step 8: Cover with Heat Shrink tubing. You are finished!