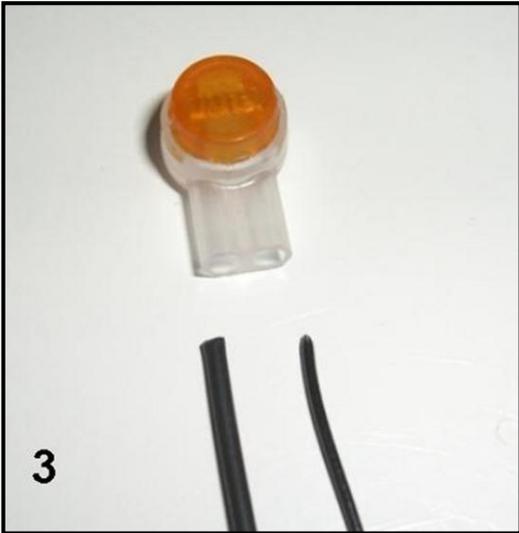


## CONNECTING 22 GAUGE AND 26 GAUGE WIRE USING UY2 CONNECTOR

Most pickups come with 22 gauge insulated wire. The 4-wire humbucker pickups are supplied with 26 gauge (thinner) insulated wires. To electrically connect a 22 gauge wire to a 26 gauge wire, you can strip the ends of both wires, twist them together and then insulate them with tape.

Another way to electrically join the two wires is by using our UY2 connectors. However, these connectors are designed to work with 22 gauge wire. This means that if you insert a 26 gauge wire, the UY2 connector will not make electrical contact. This document shows you how to prepare 26 gauge wire to successfully be used with the UY2 connector.



The "normal" way to use our UY2 connectors is to electrically join two 22 gauge wires that most single-coil pickups typically have. However, most 4-wire humbucker pickups come with thinner 26 gauge wires. The photos in this document show you how to prepare the thinner 26 gauge wires so they can be used with the UY2 and make electrical connection.

Figure 3 shows the 22 gauge wire and 26 gauge wire sizes.



Figure 4 shows how to bend the 26 gauge wire ~ 5/16" (8mm) from non-stripped end. This is not necessary if you are using the UY2 connector to electrically join two 22 gauge wires.

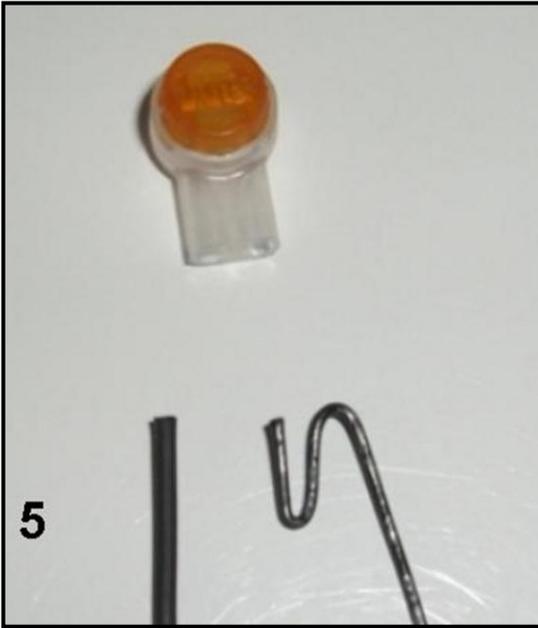


Figure 5 shows bending it again for a tri-fold bend (it "bulks" up the wire size for reliable electrical connection). This is not necessary if you are using the UY2 connector to electrically join two 22 gauge wires.



Figure 6 shows how to tightly crimp both wire bends with needle-nose pliers. This is not necessary if you are using the UY2 connector to electrically join two 22 gauge wires.

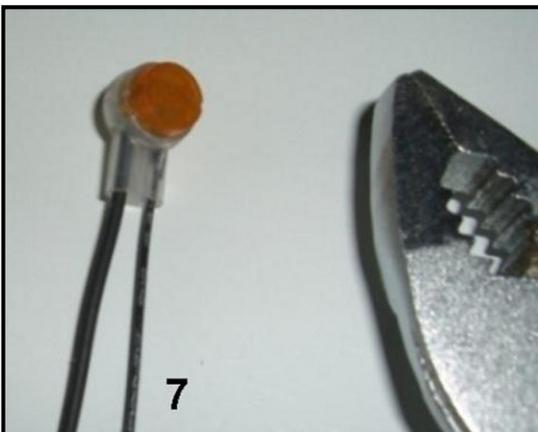


Figure 7 shows completely inserting both unstripped wires to "bottom" in the UY2 connector

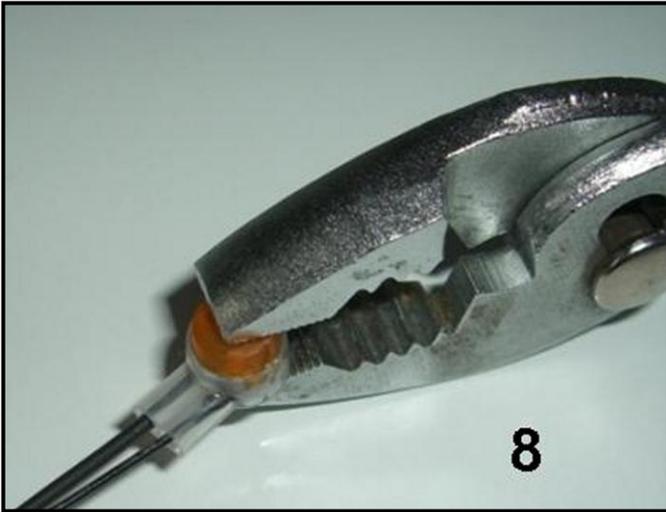


Figure 8 shows using pliers to press the UY2 connector yellow button flush with clear body to make electrical connection.



Figure 9 uses an ohmmeter to show electrical continuity connecting the two different gauge wires.

You should always confirm the electrical connections of these different wire gauges is sound. If not, try pressing down harder on the UY2 connector button. If that doesn't work, either clip the wires and try again or strip, twist and insulate the connection.

For additional wiring details, go to <http://www.AweSome-Guitars.com/docs>