

# ***IQ Power<sup>®</sup>***

## ***HV Connector Instructions***



### **IQ Power HV Connector**

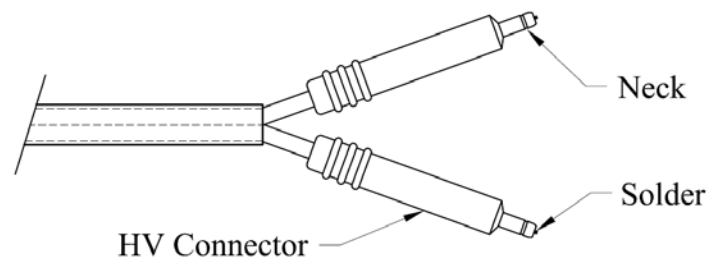
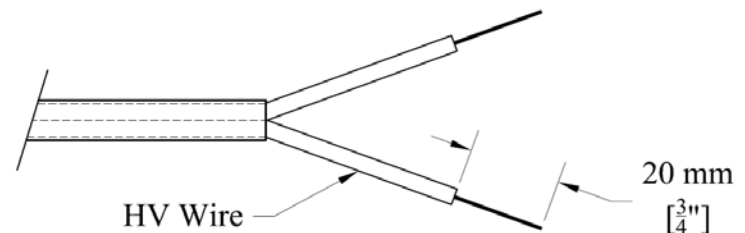
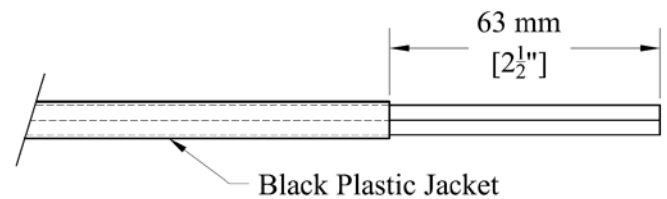
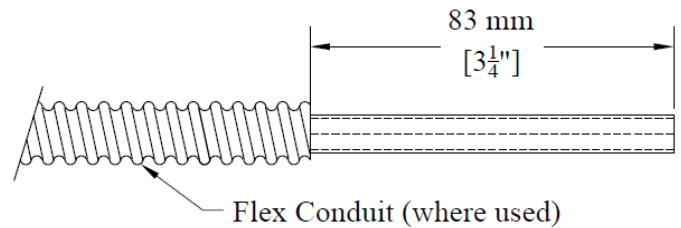
The IQ Power HV connector is available in three types: speed, hybrid and distance. The connector type must be matched with the bar type for proper operation, see label on side of bar.

### **Tools**

A soldering iron (50W max.), wire strippers and screwdriver are required to install the connector.

### **Procedure**

1. Cut HV cable to length, leaving an extra 3/4" for the connector.
2. Strip black plastic jacket off HV wires to length shown. Be careful not to nick insulation on HV wires.
3. Strip insulation off HV wires to length shown. Be careful not to nick conductor in HV wire.
4. Straighten conductors and insert into HV connector until conductor protrudes out from the tip of the connector.
5. Solder conductor to tip of connector by applying solder to exposed conductor. Ensure that that solder does not overflow and fill neck area of tip.
6. Trim off excess conductor protruding from tip of connector.

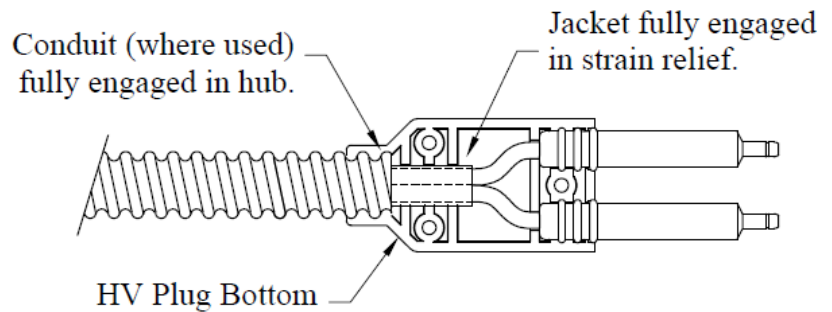


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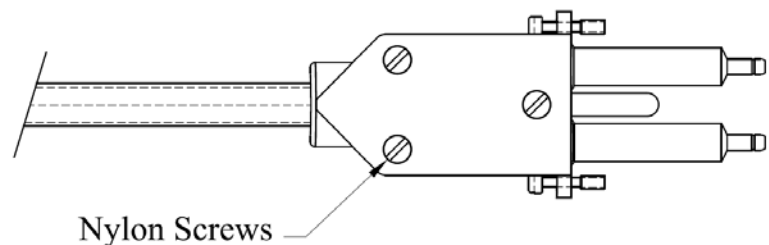
## ***HV Connector Instructions***



- Place HV Connectors into the HV plug bottom. The black plastic jacket should be fully engaged in the strain relief section of the HV plug. Flex conduit (where used) should be fully engaged in the hub section of the HV plug.

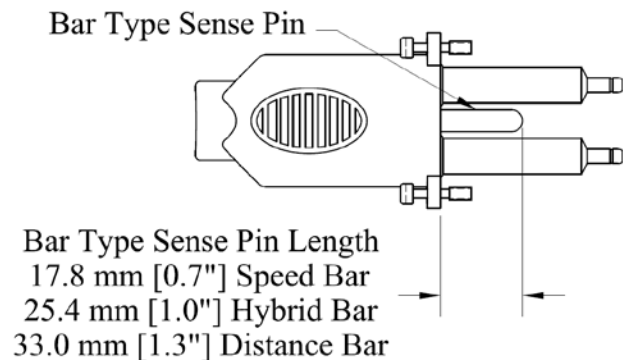


- Install the HV plug top onto bottom making sure the plug comes together properly with no binding or gapping. Hold together firmly.



- Insert nylon screws through holes in plug bottom and tighten to secure plug together (do not over tighten screws).

NOTE: The bar type sense pin length must match the type of IQ Power bar used.



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