

Assembling Multi-Contact PV cable connectors

- Cut the cable to the desired length. We recommend double insulated cable for outdoor wiring, but any cable can be used as long as the diameter is sufficiently large to form a good seal where the wire exits the rubber casing of the connector.
- Take the rubber outer casing of the connector and slide it onto the cable. For thick wires this is not easy. We suggest lubricating the wire first with washing-up liquid. Use a twisting action to force the casing onto the cable until an inch or so of cable protrude beyond the end of the casing.
- Strip the last 1/4" of insulation from the cable to expose the metal conductor. Check that the conductor wires fit into the inner metal pin of the connector.



- Hold the metal pin in a vice or pair of pliers, and use a soldering iron or small blowtorch to heat the upper end of the pin where the cable is to be inserted. Apply solder, and insert the stripped wire into the pin. TAKE CARE that you do not apply so much heat that the plastic on the other end of the pin melts. Holding the pin in a metal vice or pair of pliers will help to conduct heat from this end of the pin while you are heating the other end.
- Remove the heat and allow the solder to cool. Check that a good, strong connection has been made.
- Slide the rubber casing back down the wire, and over the metal pin. Lubricating the wire again with washing-up liquid will make this considerably easier. The casing should lock itself in the correct position, with the plastic-tipped end of the metal pin level with the end of the rubber casing.

