



Overlap Connector OLC-1 Connector Instructions



Application: Wire to wire connection of 20ga wire and smaller. Use this connector where extreme reliability is required.

Patent: In Process

After over one million crimps and 30+ years experience we found that crimps on wire to wire connectors (of any kind) can be unreliable. To resolve this issue we developed the OLC-1 Overlap Connector. This connector bonds the two mating wires together in a gas tight cold weld style connection using a set screw. Since the two wires are overlapped and no dissimilar metals are introduced in the junction, the OLC-1 can be used as a precision connector for thermocouple wire. The elasticity of the mating wires locks the set screw. Thread lock is recommended.

Installation Instructions:

1. Strip back the insulation on the two mating wires 3/8". The strip back length must be correct to insure proper wire overlap.
2. Place the hex driver (0.050") in the set screw and back the set screw out to the last thread. Leave the hex driver in the set screw.
3. Hold the connector between your thumb, index and middle fingers (as shown below).
4. Insert the two wires into the ends of the connector so the wire insulation is just inside the nylon housing and the ends of the wires are not exposed on the opposite side. Use your index and middle fingers to hold the wires at opposite ends of the connector.
5. Tighten the set screw until the set screw stops turning and the hex driver starts to flex (4-5 inch lbs.).
6. Tug on the wires (1-2 lbs) to insure proper connection.

