

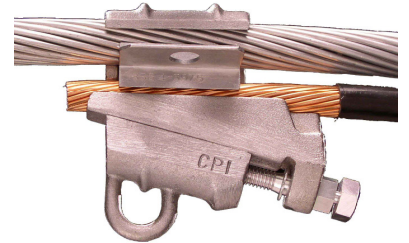
Aluminum to Copper

CONNECTOR INSTRUCTIONS

The key to a successful aluminum to copper connection is the use of an oxide inhibitor compound. Connector Products Inc. (CPI) uses a high quality bimetallic inhibitor in all of our products.

In making aluminum to copper connections we recommend two basic safety procedures:

1. Always place the aluminum wire either above or parallel to the copper wire to avoid copper salts running onto the aluminum and creating a galvanic reaction. (See photo.)



2. Inhibit the copper conductor over an area approximately one (1) inch greater than the actual area of the connection. This will prevent the potential for a galvanic reaction. (See photo.)



Copper to copper connections are possible with Connector Products' line of connectors because of the tremendous cross-sectional advantage that we enjoy over the conductor. A CPI Tap Connector averages an 8:1 advantage in cross-sectional area over the conductor, taking into account aluminum is approximately 60% conductive relative to copper. There still would be a 4.8:1 advantage in ampacity in a copper to copper connection. In that case, it is important to follow procedure/step number 2 above.