

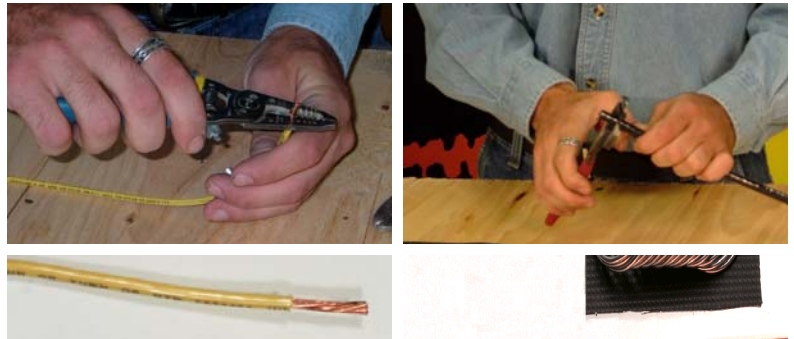
Tuff Cable to Cold Lead

For each connection from Tuff Cable to Cold Lead, you have been provided the following items in your Tuff Cable Heating Element Kit: E210BS Butt Splice, plastic sleeve and a heat shrink length. You will also need wire strippers, a crimping tool, and a broad soft flame torch or hot air gun.

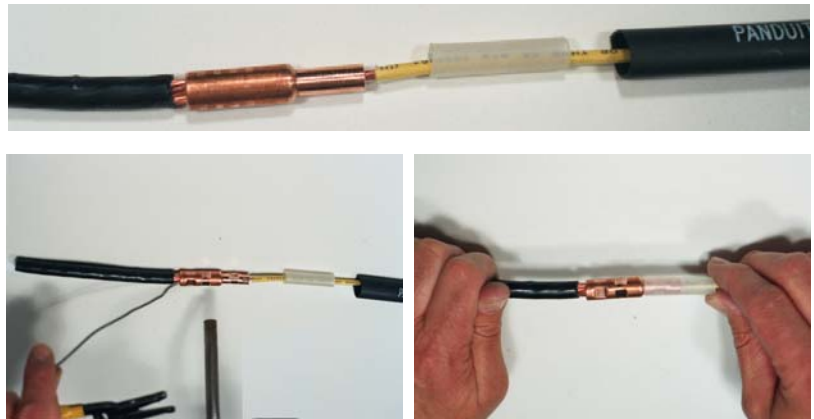


Step 1: Strip wires. The Tuff Cable element is connected to the Cold Lead with the Heatizon E210BS butt splice connector. This connection is accomplished by stripping back the insulation on the Tuff Cable and Cold Lead wires to be spliced seven eighths of an inch.

Step 2: Crimp connection. Slide the heat shrink tubing and sleeve over the Tuff Cable to a point at least 8" beyond the splice. Insert the Tuff Cable and the Cold Lead into the E210BS butt splice connector. Crimp the connection in two locations on each side of the lug.



Step 3: Solder connection. Solder all exposed copper strands of Tuff Cable and Cold Lead with the solder provided. Make certain that heat is sufficient to draw solder completely into the splice. Never heat the small end of the E210BS butt splice or scorch the insulator on the Tuff Cable or Cold Lead. While connection is cooling carefully slide the sleeve over Tuff Cable end of the E210BS butt splice.



Step 4: Heat shrink connection. When the splice has completely cooled slide the heat shrink and center it over the splice. Use a broad soft flame torch or hot air gun to heat around the diameter of the tube to warm and shrink it. Do not scorch the tube. The shrink is complete when adhesive oozes from between the tube and the Tuff Cable and Cold Lead.

