



## JOINT JUMPER KIT INSTALLATION INSTRUCTIONS

(Heatizon Part Number CLDJNTKIT)

Never allow Tuff Cable to extend through any joint or striker mark. Always use a Joint Jumper Kit (CLDJNTKIT) to go under all joints in asphalt, concrete, mortar, or any other hard surface being warmed or snow-melted by Tuff Cable.

- Step 1. Determine and mark the location of any and all joints. Remember that Tuff Cable must never be allowed to pass directly through any kind of joint.
- Step 2. Dig a 10" by 10" hole in the dirt or gravel directly below the center of each joint in the location(s) you have selected to install the Joint Jumper Kit.
- Step 3. Form the Joint Jumper Protective Device to fit in the 10" by 10" hole and to meet the Tuff Cable in the correct location on each side of the joint.
- Step 4. Install insulation and welded wire fabric prior to going on to Step 5. Note: In the event insulation is being used, the insulation must be cut to allow the Cold Leads from the Joint Jumper to extend through it.
- Step 5. Strip Cold Lead insulation off the wire 7/8", and place the large end of the E210 Butt Splice on the exposed wire; Crimp.
- Step 6. Slide the heat shrink tube and the sleeve on to the Tuff Cable.
- Step 7. Strip the insulation off the Tuff Cable 7/8", and place the small end of the E210 Butt Splice on the exposed wire; Crimp.
- Step 8. Solder the connection starting at the large end, letting the solder wick into the E210BS Butt Splice on both ends.
- Step 9. Let the E210BS Butt Splice cool.
- Step 10. Slide the sleeve over the small end of the E210 Butt Splice, and then slide the heat shrink tube over the E210BS Butt Splice and the sleeve.
- Step 11. Heat the heat shrink tube until you have a snug fit around the connection. A small amount of sealant may ooze out the ends of the heat shrink when it is heated—this is normal.

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**Joint Jumper Kit Includes: \***

- 2 E221 13" Protective Devices
- 2 E210 2' Cold Lead Lengths
- 4 E210BS Butt Splices
- 4 E215 6" Heatshrink Lengths
- 4 H700 2" Plastic Sleeves
- M379 Solder



\*\*Other Joint Jumper Kits available by special order.

**JOINT JUMPER DIAGRAM**

