

EC-135 Splice and "T" Kit "T" INSTRUCTIONS

(Refer to Splice Kit Instructions, if applicable)

EverClear™ 812 (120Vac) and 822 (208-277Vac)
Self-Regulating Heater Cable



summit
ICE MELT SYSTEMS

P.O. Box 6928, Tahoe City, CA 96145 530/583-8888
summiticemelt.com info@summiticemelt.com



WARNING!

All electrical wiring, including GFCI (Ground Fault Circuit Interrupters) must be installed in accordance with the National Electrical Code and local codes by a qualified installer. When utilizing a torch or heat gun, verify that area is not hazardous at the time of installation.

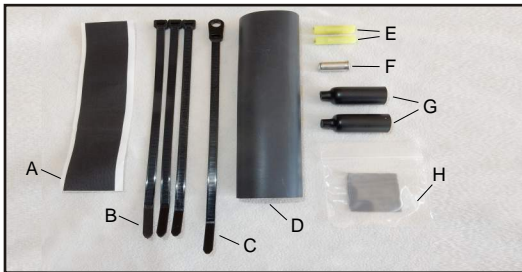
WARNING!

Disconnect all power before installing or servicing heating cable. Failure to do so could result in personal injury, death, or property damage. Heater cable must be installed by a qualified person in accordance with the National Electrical Code, NFPA 70.

Tools Required: Heat gun or propane torch, wire strippers, crimper, utility knife, needle nose pliers, screwdriver, tape measure:



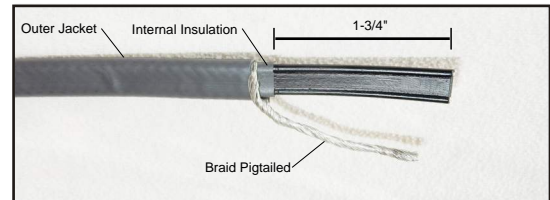
Kit Contents: A: (1) Cloth Tape, B: (3) Zip Ties, C: (1) Clamp Tie, D: (1) 1" x 6" Heat Shrink Tubing, E: (2) Yellow Insulated Barrel Connectors, F: (1) Uninsulated Braid Crimp, G: (2) 1" Heat Shrink Caps, H: (6) Mastic Tape Strips:



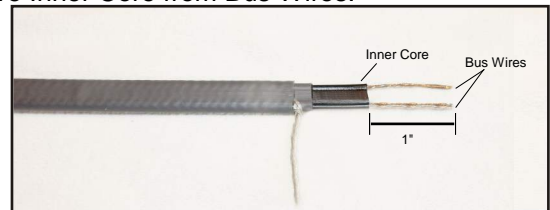
1. Allow a 12" length of heater cable available for each cable to install the Splice and "T" Kit. If the cable ends do not align trim to make the same length. Conduct the following Steps 1 through Step 5 on all three cables. Score and remove the Jacket 2" from Cable Ends. **CAUTION:** Do NOT damage the Braid or the Internal Insulation:



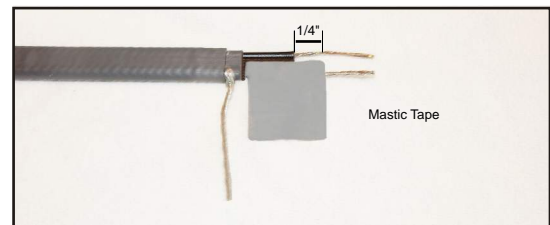
2. Pick the braid apart with the screwdriver and pull the cable through opening in the Braid. Twist Braid into a Pigtail. Carefully remove the Internal Insulation to 1-3/4" back from ends of each cable:



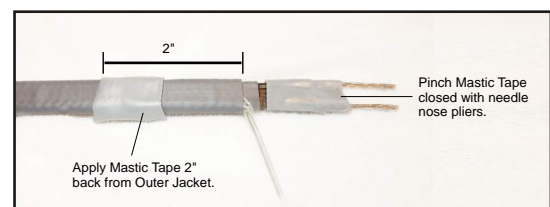
3. Cut back the Inner Core 1" from the end. Carefully remove Inner Core from Bus Wires:



4. Remove the release film from the Mastic Tape and wrap around Inner Core and cover Bus Wires 1/4":

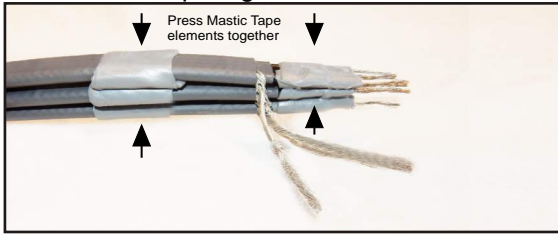


5. Remove the release film from the Mastic Tape and wrap around Outer Jacket 2" back from end of Outer Jacket. Pinch Mastic Tape closed with needle nose pliers between Bus Wires:

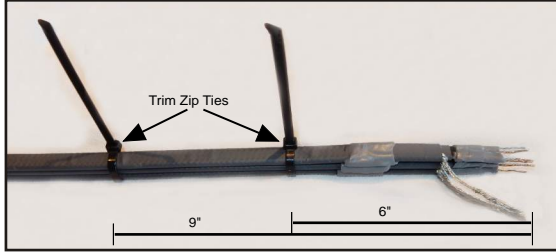


EC-135 "T" INSTRUCTIONS (Cont'd.)

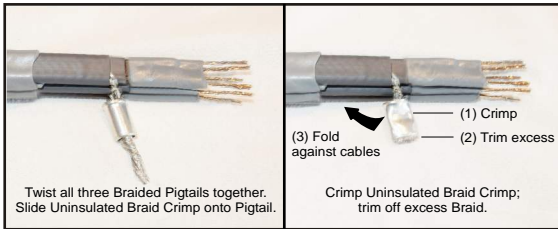
6. Align the three sections of cable with the Braided Pig-tails on the same side and place them together. Firmly press Mastic Strips together.



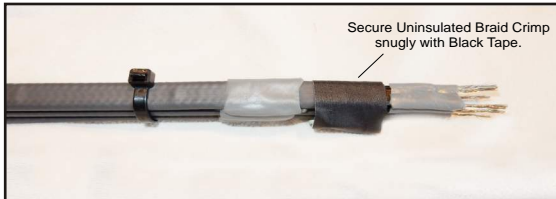
7. Zip tie the three sections together at 6" and 9" back from the end of the Bus Wires. Trim off excess Zip Tie.



8. Twist all three Braided Pigtails together. Slide the Uninsulated Braid Crimp onto Pigtail. Crimp and trim off excess Braid:

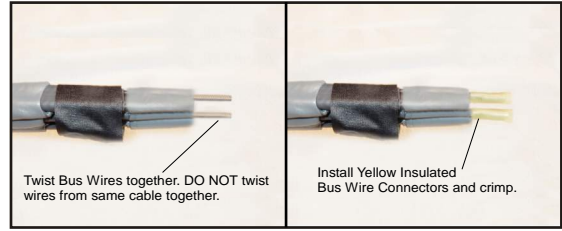


9. Fold crimped Uninsulated Braid Crimp back onto cables. Secure with Black Tape.

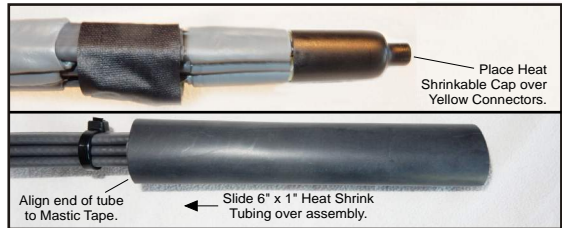


10. Twist bus wires together. **CAUTION: DO NOT TWIST BUS WIRES FROM THE SAME CABLE TOGETHER.**

Install Insulated Bus Wire Crimps and crimp:



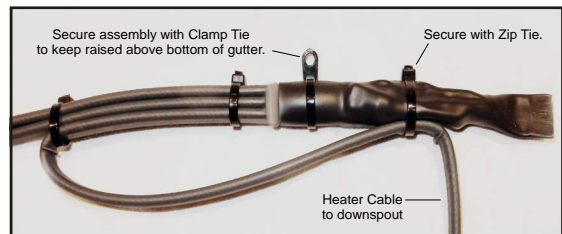
11. (A) Slide Heat Shrinkable Cap over Insulated Bus Wire Connectors. It is not necessary to heat shrink the cap. (B) Slide 6"x 1" Heat Shrink Tube and align with Mastic Tape.



12. Slide and center the 6" length of Heat Shrink Tubing over the assembly. Apply heat evenly until the tubing shrinks:



13. Fold single heater cable under and secure with the third Zip Tie. When used in gutters and downspouts, secure Clamp Tie above the bottom of the gutter.



End Seal Instructions

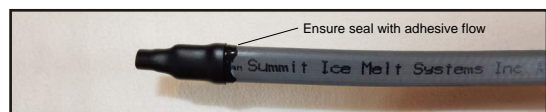
13. To terminate the far end of the Heater Cable, score cable Outer Jacket 1/2" from cable end and remove Jacket. Unravel and trim the Braid 1/2" from end of cable. Remove all strands of Braid:



14. Slide Heat Shrink Cap over end of cable:



15. Apply heat evenly to shrink tubing around Heating Cable. Ensure seal with adhesive flow:



EC-135 Splice and "T" Kit SPLICE INSTRUCTIONS

(Refer to "T" Kit Instructions, if applicable)

EverClear™ 812 (120Vac) and 822 (208-277Vac)
Self-Regulating Heater Cable



summit
ICE MELT SYSTEMS

P.O. Box 6928, Tahoe City, CA 96145 530/583-8888
summiticemelt.com info@summiticemelt.com

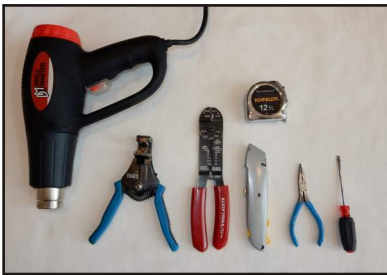
WARNING!

All electrical wiring, including GFCI (Ground Fault Circuit Interrupters) must be installed in accordance with the National Electrical Code and local codes by a qualified installer. When utilizing a torch or heat gun, verify that area is not hazardous at the time of installation.

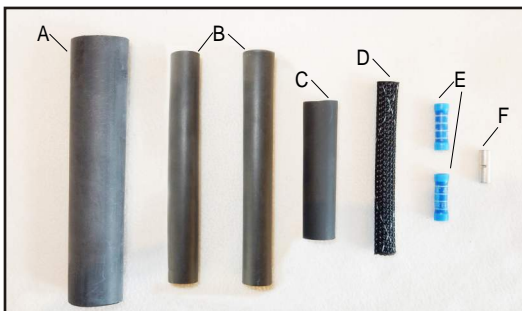
WARNING!

Disconnect all power before installing or servicing heating cable. Failure to do so could result in personal injury, death, or property damage. Heater cable must be installed by a qualified person in accordance with the National Electrical Code, NFPA 70.

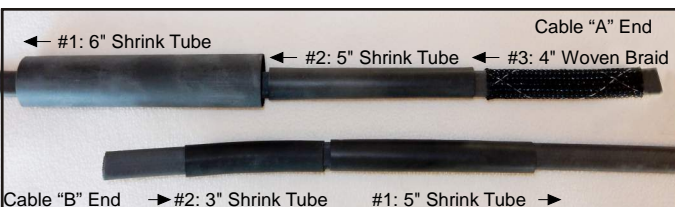
Tools Required: Heat gun or propane torch, wire strippers, crimper, utility knife, needle nose pliers, screwdriver, ruler:



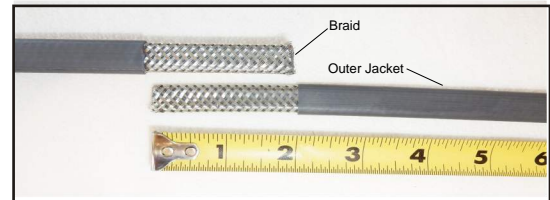
Kit Contents: A: (1) 6" x 3/4" Heat Shrink Tube, B: (2) 5" x 1/2" Heat Shrink Tubes, C: (1) 3" x 1/2" Heat Shrink Tube, D: (1) 4" Woven Braid Sleeve, E: (2) Blue Insulated Barrel Connectors, F: (1) Silver Uninsulated Barrel Connector:



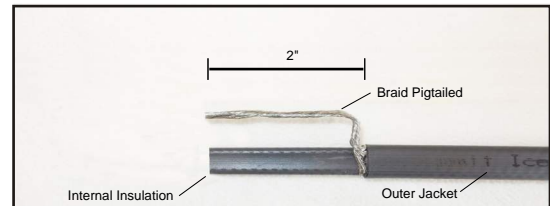
1. Slide (5) splice kit parts onto the two cable ends in the order shown:



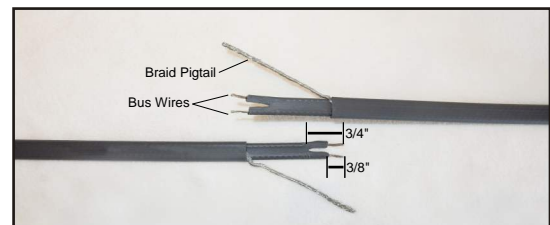
2. Score cable outer jacket 2" from both cable ends and remove jacket to expose Braid. CAUTION: Do not damage the Braid or Internal Insulation:



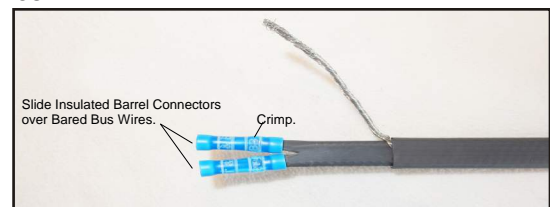
3. Pick the braid apart near the outer jacket with the screwdriver and pull the cable through opening in the Braid. Twist Braid into a Pigtail:



4. Using the Utility Knife, cut a 3/4" deep notch between the Bus Wires. Strip 3/8" off each Bus Wire:

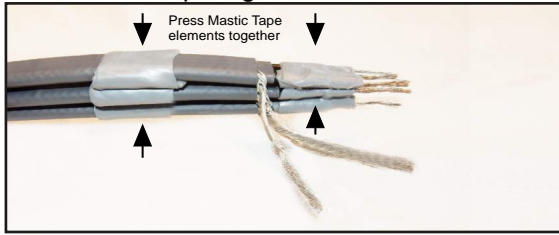


5. Slide the (2) Insulated Barrel Connectors over the bare portion of the Bus Wires. Crimp the connectors onto the Bus Wires:

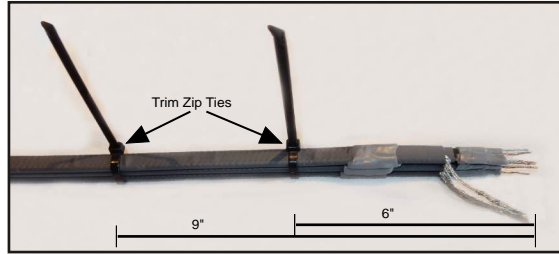


EC-135 "T" INSTRUCTIONS (Cont'd.)

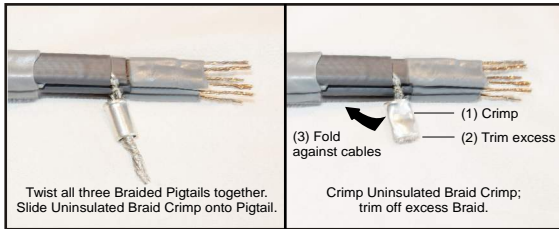
6. Align the three sections of cable with the Braided Pig-tails on the same side and place them together. Firmly press Mastic Strips together.



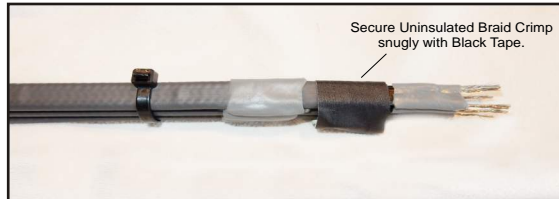
7. Zip tie the three sections together at 6" and 9" back from the end of the Bus Wires. Trim off excess Zip Tie.



8. Twist all three Braided Pig-tails together. Slide the Uninsulated Braid Crimp onto Pigtail. Crimp and trim off excess Braid:

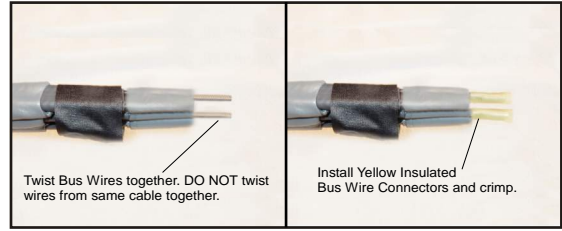


9. Fold crimped Uninsulated Braid Crimp back onto cables. Secure with Black Tape.

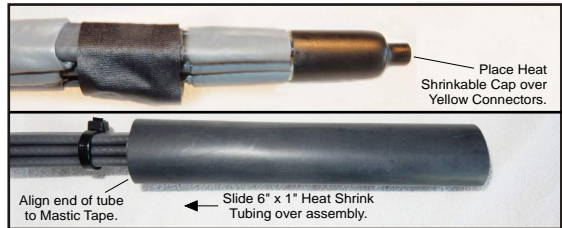


10. Twist bus wires together. **CAUTION: DO NOT TWIST BUS WIRES FROM THE SAME CABLE TOGETHER.**

Install Insulated Bus Wire Crimps and crimp:



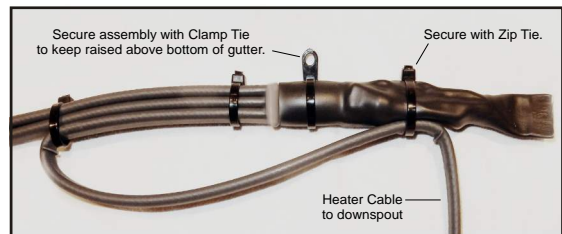
11. (A) Slide Heat Shrinkable Cap over Insulated Bus Wire Connectors. It is not necessary to heat shrink the cap. (B) Slide 6"x 1" Heat Shrink Tube and align with Mastic Tape.



12. Slide and center the 6" length of Heat Shrink Tubing over the assembly. Apply heat evenly until the tubing shrinks:



13. Fold single heater cable under and secure with the third Zip Tie. When used in gutters and downspouts, secure Clamp Tie above the bottom of the gutter.



End Seal Instructions

13. To terminate the far end of the Heater Cable, score cable Outer Jacket 1/2" from cable end and remove Jacket. Unravel and trim the Braid 1/2" from end of cable. Remove all strands of Braid:



14. Slide Heat Shrink Cap over end of cable:



15. Apply heat evenly to shrink tubing around Heating Cable. Ensure seal with adhesive flow:

