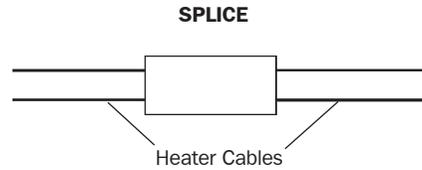


DESCRIPTION

The SRSRG Splice Kit is for use with all of Easy Heat's SR Trace heater cables in pipe trace and roof and gutter deicing applications. This kit provides all necessary components to connect two heater cables together without the need for a junction box.

KIT CONTENTS

- 1 Shrink Tube, 0.5" (13mm) O.D., 6" (152mm) length
- 1 Shrink Tube, 1.2" (30mm) O.D., 9" (229mm) length
- 1 Uninsulated Splice Connector
- 2 Insulated Splice Connectors

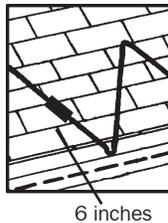


WARNINGS!

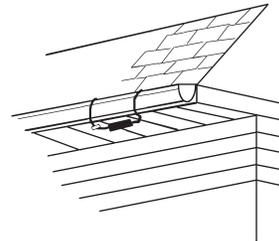
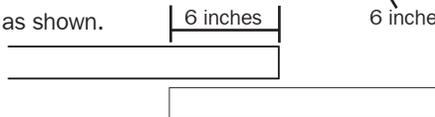
- Ensure that splice will be located well away from any potential standing water. This splice is NOT designed to be submerged in water.
- Do not twist heater cable bus wires together – this will result in a short circuit.
- Do not lay ladders against the cable.
- Damaged heater cables must be repaired or replaced.
- Complete splice in dry conditions only – if moisture is enclosed with the splice, cable failure will result.
- Minimum installation temperature -30°C (-22°F).

SPLICE INSTALLATION

1. Locate area for splice connection – to avoid submersion of splice do not locate in a gutter or downspout. Suitable locations are on sloped roof, at least 6" from roof edge, or under eaves.



2. Overlap cables as shown.



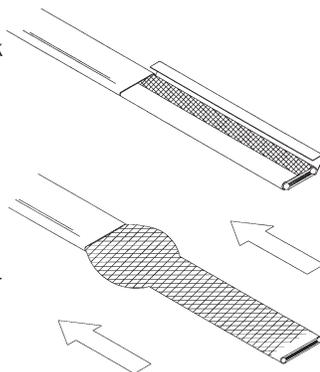
3. Following procedure below, strip outer jacket and inner jacket and make connections.

OVERJACKET STRIPPING PROCEDURES

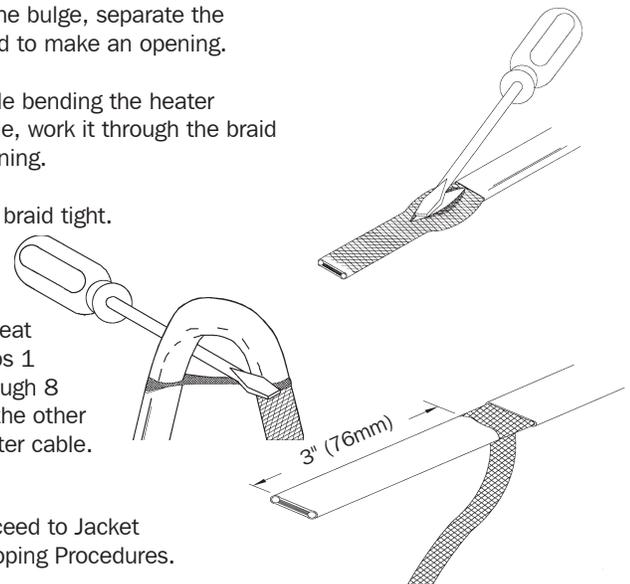
1. Lightly cut around heater overjacket 3.5" (89mm) from the end. Bend cable to break the overjacket.
2. Lightly cut overjacket up the center between first cut mark and the cable end. Bend cable to break the overjacket.
3. Remove overjacket from heater cable.
4. Move braid back toward overjacket, creating a bulge.



WARNING!
DO NOT CUT
OR NICK BRAID

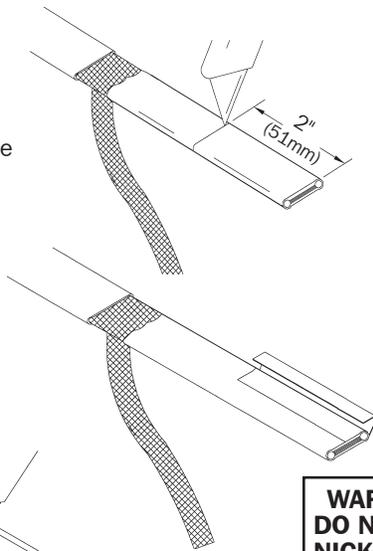


5. At the bulge, separate the braid to make an opening.
6. While bending the heater cable, work it through the braid opening.
7. Pull braid tight.
8. Repeat steps 1 through 8 for the other heater cable.
9. Proceed to Jacket Stripping Procedures.



JACKET STRIPPING PROCEDURES

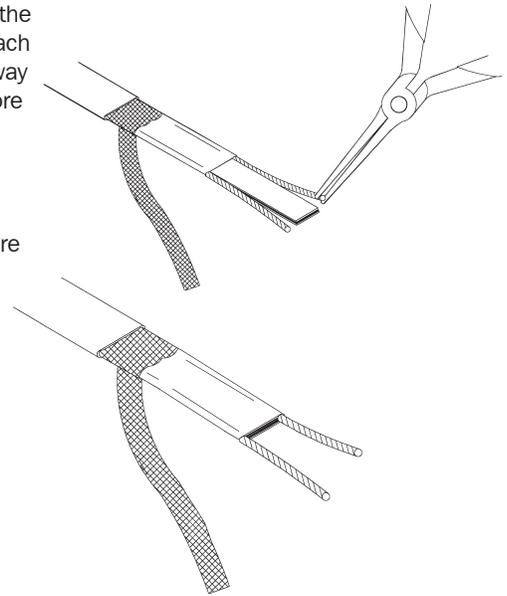
1. Lightly cut around heater jacket 2" (51mm) from the end. Bend cable to break jacket.
2. Lightly cut the jacket up the center between the first cut mark and the cable end. Bend cable to break jacket.
3. Remove the jacket from the heater cable.



**WARNING!
DO NOT CUT OR
NICK BUS WIRES**

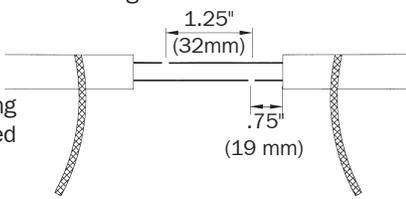
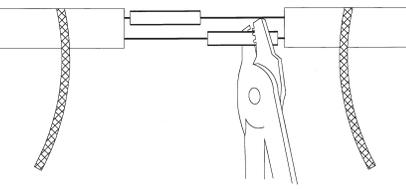
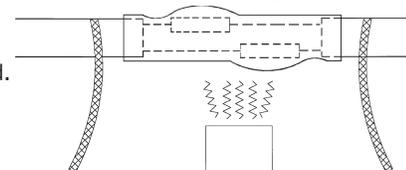
4. Shave the core material from the outside of each bus wire.

5. Starting at the end, pull each bus wire away from the core material.
6. Cut and remove the exposed core material.

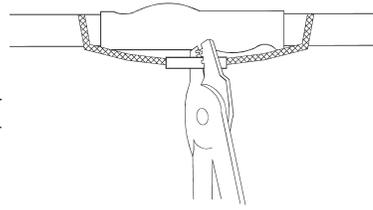


7. Repeat steps 1 through 6 for the other heater cable.
8. Proceed to Connection Procedures.

CONNECTION PROCEDURES

1. Position both heater cables with ground braid on the same side. Remove 1.25" (32mm) of one bus wire from each heater cable, creating an offset for insulated splice connectors.
 
2. Slide the 0.5" O.D., 6" (152mm) length shrink tube over one of the heater cables and the 1.2" (30mm) O.D., 9" (229mm) length shrink tube over the other heater cable.
3. Crimp an insulated splice connector to each bus wire connecting the two heater cables together.
 
4. Center the 0.5" (13mm) O.D., 6" (152mm) length shrink tube over the connectors leaving the braid straps exposed. Shrink with heat gun until completely shrunk. A uniform
 

bead of glue should appear around the ends of the shrink tube.

5. Shorten (cut) each braid strap until they butt at the splice centerline and tightly twist each braid strap. Crimp the braid straps together into the uninsulated splice connector. Secure connector at the indented area with one and a half wraps of fiberglass tape (not included in the kit).
 
6. Center the 1.2" (30mm) O.D., 9" (229mm) length shrink tube over the splice. Shrink with heat gun until completely shrunk. A uniform bead of glue should appear around the ends of the shrink tube.

