HEAT SHRINK
POWER CONNECTION

EQUIPMENT REQUIRED:

- Utility knife
- Wire cutter
- Multi-head screwdriver
- Pipe wrench
- Wire stripper—*optional*
- Measuring tape
- Crimp tool
- Heat gun
- Needle-nose pliers

ADDITIONAL MATERIALS REQUIRED:
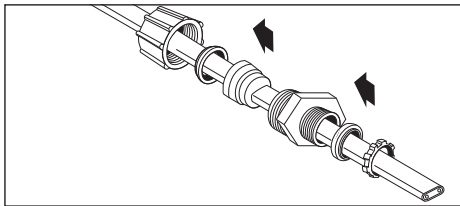
- Certified junction box for suitable location

KIT CONTAINS:

3 – Wire nuts
2 – 1" black heat shrink tubes
2 – Black bus wire heat shrink tubes
1 – Green/Yellow ground wire heat shrink tube
1 – End seal heat shrink cap
1 – Compression washer, grommet & sealing gasket
1 – Lock nut
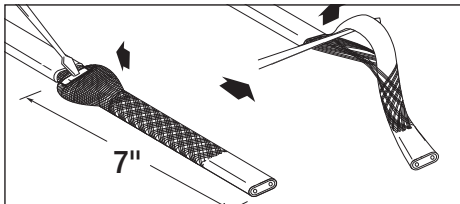**1** – Caution label (End seal)

HOW TO CREATE A POWER CONNECTION:

NOTE: HeaterZone **recommends conducting continuity testing at this point of the installation.**

1. Slide the compression washer, sealing gasket and grommet onto cable.
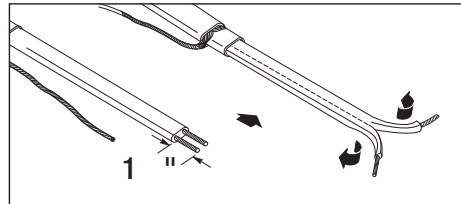

2. Lightly score around and down outer jacket 7" from the end of the heating cable. Bend heating cable to break jacket at score; peel off outer jacket.

3. Push back braid to loosen. Spread apart braid, bend the heating cable and work it through the opening in the braid.
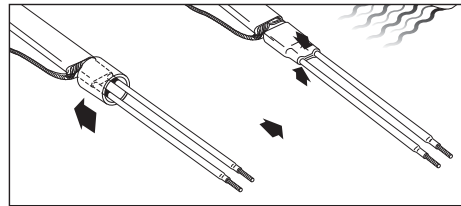

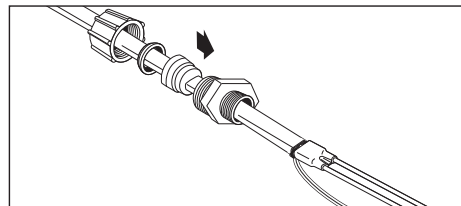4. Position braid on one side of cable and twist into a pigtail.

5. Lightly score around and down the inner jacket 6.5" from the end of the heating cable and remove.

6. Remove 1 ½" of the conductive core from the tip of the cable exposing the bus wires. Cut down the center of the conductive core to separate the two bus wires. Trim away just enough conductive core to allow the bus wire to fit in a black heat shrink tube.

7. Slide a black heat shrink tube over each trimmed bus wire until the tube meets the inner jacket. Heat shrink.

8. Slide green / yellow heat shrink tube over pigtailed braid and heat shrink.

9. Slide the 1" heat shrink tube over both covered bus wires until the tube meets the outer jacket. Heat shrink until inner sealant flows from both ends. Using pliers, pinch tube between the two bus wires and hold for 15 seconds.

10. Slide compression washer, grommet and sealing gasket over heat shrinked wires.

11. Insert the heating cable into a junction box approved for the application. Use the sealing gasket and lock nut to securely connect the cable to the junction box.

12. Make the final electrical connections within the junction box and ensure the box is sealed in accordance to manufacturer's instructions.

NOTE: Complete heat shrink end seal at the opposite end of the heating cable by following the Heat Shrink End Seal instructions included in this booklet.

Warning: Electrical Device

In order to ensure proper operation and prevent shock or fire, all products must be installed correctly. Read all warnings and follow all installation instructions.

Ground-fault equipment protection must be used to minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed and to comply with manufacturer requirements, agency certifications and national electrical codes. Conventional circuit breakers may not stop arcing.

Do not substitute parts or use electrical tape. Component approvals and performance characteristics are based on manufacturer specific parts only Substitution will void approvals, warranties and performance claims.

The heating cable core is conductive and can short if not properly insulated and kept dry.

Heating cable core bus wires can overheat and short when damaged. When cutting the cable jacket or core, do not break bus wire strands.

Component and heating cable ends must be kept dry before and during installation.

Fire-resistant thermal insulation materials should be used.

BEFORE YOU START:

• Read through entire installation instructions prior to beginning installation.
• DO NOT install Freeze Protection products in direct contact with combustible surfaces or materials.
• DO NOT rest a hot heat gun on any Freeze Protection Products.
• DO NOT make any modifi cations to Freeze Protection Products while connected to power.
• THIS HEATING PRODUCT SHOULD ONLY BE INSTALLED BY QUALIFIED PERSONNEL WHO ARE FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE APPARATUS AND RISKS INVOLVED.
• THE INSTALLATION OF THIS HEATING PRODUCT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND REGULATIONS OF THE AUTHORITY HAVING JURISDICTION