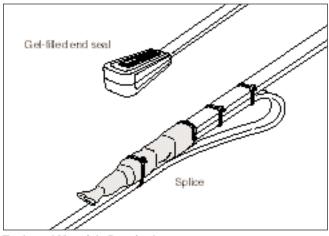
Raychem

H910

WinterGard Splice and Tee Kit with End Seal

Installation Instructions



Tools and Materials Required

- Diagonal cutters
- Needle nose pliers
- Utility knife
- Screwdriver
- Crimp tools (Ideal 30-425 and T&B WT112M or WT2000)
- Heat gun or torch (Raychem H40 or equivalent)
- Hammer and nail (for roof and gutters only)
- WinterGard H904 kit (for downspout installations)

Description

The WinterGard H910 Splice and Tee Kit is for use with WinterGard self-regulating heating cables to make splice, tee, and end seal connections. The kit contains materials for one splice and one end seal, or one tee connection and one end seal. This kit does not provide a power connection; use an H900, H908, or H911 power connection kit for complete installation.

Applications

Use the H910 kit with the following WinterGard heating cables: H311, H611, H612, H621, and H622. All are designed for pipe freeze protection in dry locations, but H612 and H622 cables are designed for both wet and dry areas, as well as for roof and gutter de-icing. The cable type is printed on the outer jacket of the cable.

Installation and Support

The minimum installation temperature for this kit is $0^{\circ}F$ ($-18^{\circ}C$). See the WinterGard Application and Design Guide (H53585) or the H900, H908, or H911 installation instructions for design information. For additional technical support call Raychem at (800) 542-8936.

Approvals



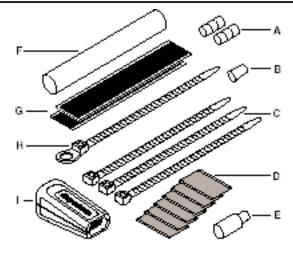
718K Pipe Heating Cable or 877Z De-icing and Snow Melting Equipment



Desig. 3A, 3B, 3C, 2E

Kit Contents

Item	Qty	Description
A	2	Insulated wire bus crimps
В	1	Uninsulated braid crimp
С	3	Cable ties
D	6	Mastic strips
E	1	Heat-shrinkable cap
F	1	Heat-shrinkable tube (6" long, 1" in diameter)
G	2	Black cloth tapes (6" long)—for use with H311, H611, and H621
Н	1	Clamp tie—for use with gutter/downspout applications
I	1	Gel-filled end seal—for tee connection only



MARNING:

These components are electrical devices. They must be installed correctly to ensure proper operation and to prevent shock or fire. Carefully follow all of the installation instructions and read these important warnings.

- To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with the requirements of Raychem and the 1996 National Electrical Code, ground-fault equipment protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection.
- Component approvals and performance are based on the use of specified parts only. Do not substitute parts or use vinyl electrical tape.
- The black heating-cable core is conductive and can short. It must be properly insulated and kept dry.

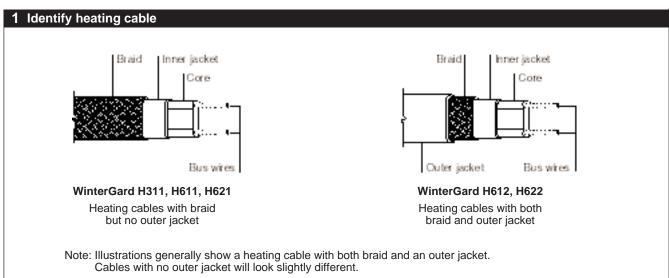
- Keep components and heating cable ends dry before and during installation.
- Damaged bus wires can overheat or short.
 Do not break braid or bus wire strands when scoring the jacket or core.
- Bus wires will short if they contact each other.
 Keep bus wires separated.
- Heat-damaged components can short.
 Use a heat gun or a torch with a soft, yellow, low-heat flame, not a blue focused flame.
 Keep the flame moving to avoid overheating, blistering, or charring the heat-shrinkable tubes.
 Avoid heating other components. Replace any damaged parts.
- Use only fire-resistant insulation materials such as fiberglass wrap.
- Leave these installation instructions with the user for future reference.

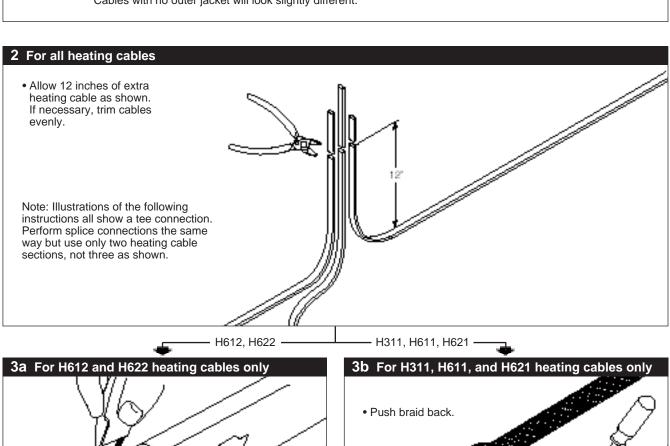
CAUTION:

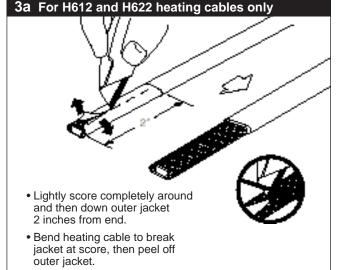
Charring or burning the heat-shrinkable tubes in this kit will produce fumes that may cause eye, skin, nose and throat irritation. Consult Material Safety Data Sheet RAY/3122.

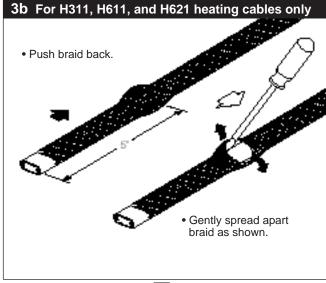
CHEMTREC 24-hour emergency telephone: (800) 424-9300.

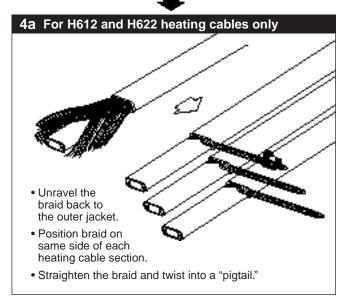
Nonemergency health and safety information: (650) 361-4907.

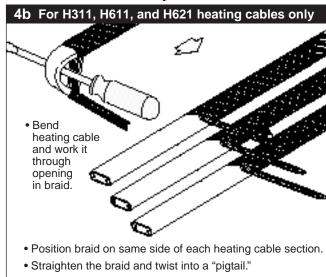


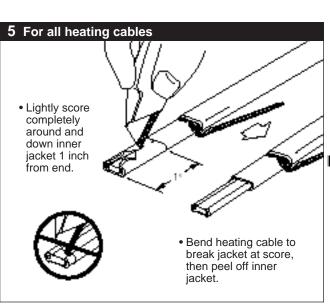


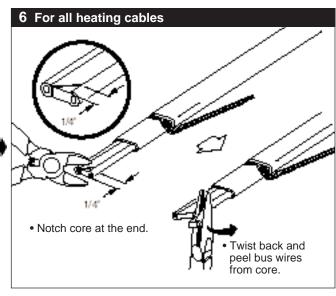


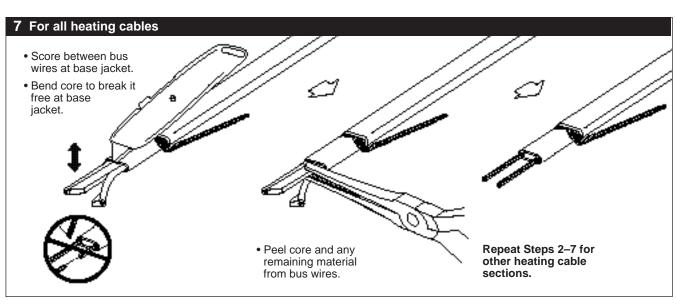


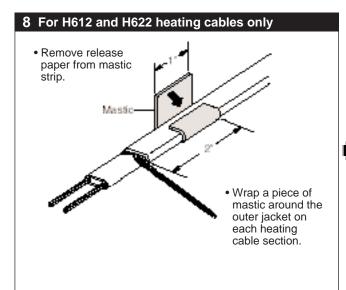


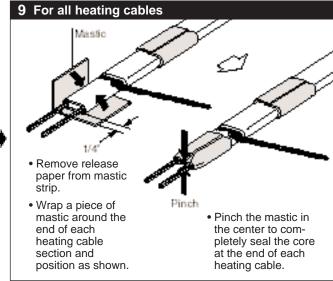


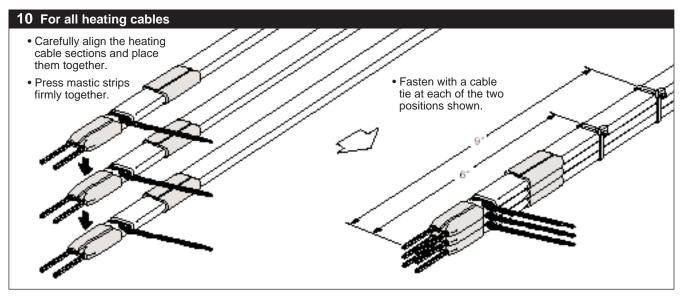


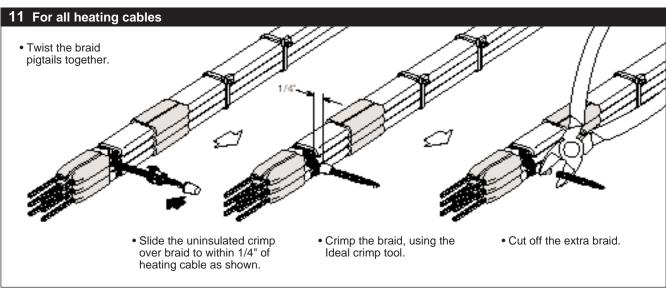


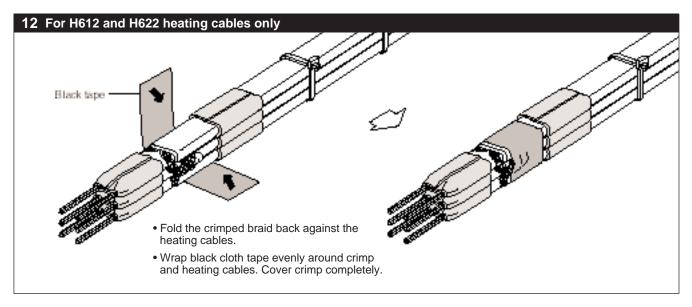


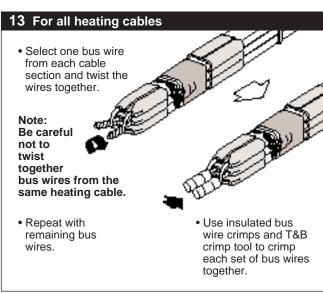


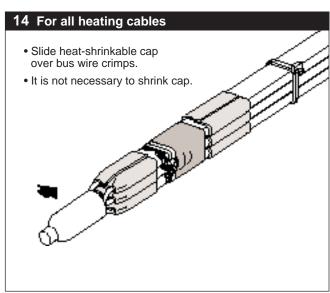


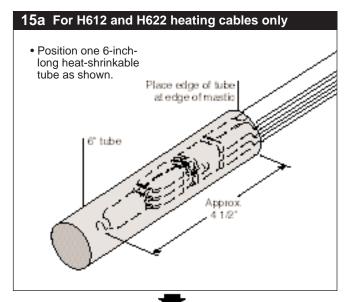


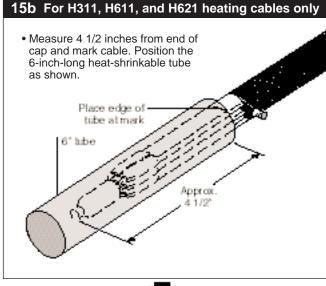


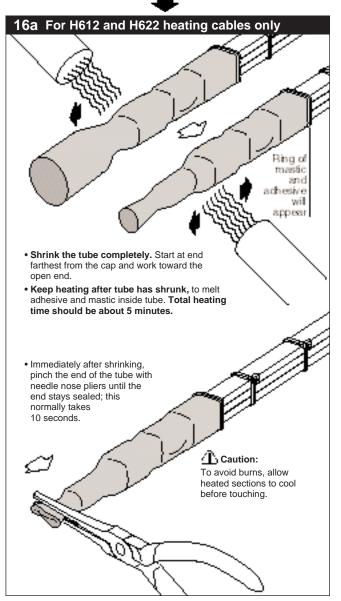


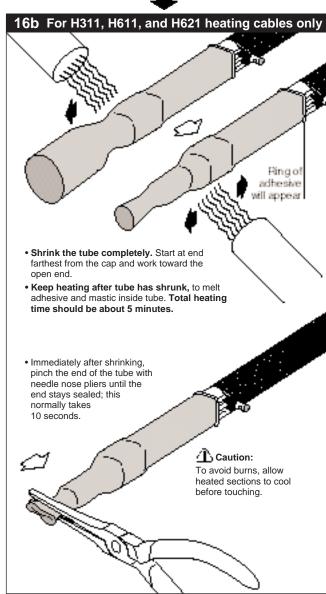


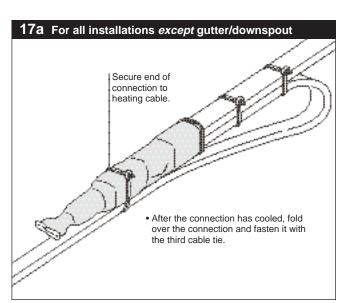


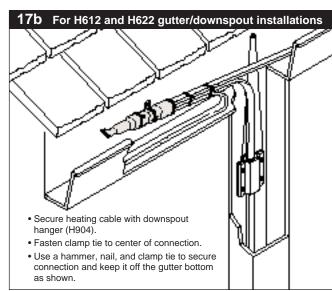






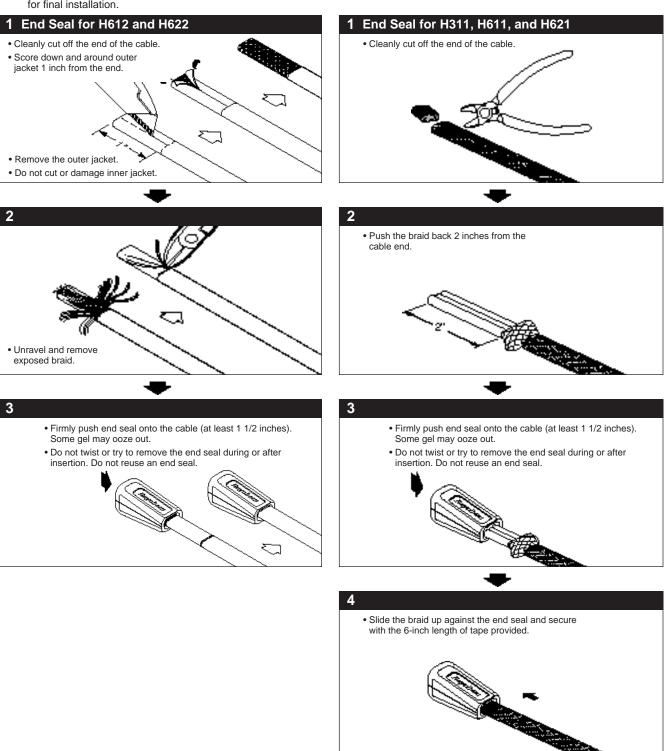






Installation Instructions H910 End Seal (for tee connections only)

Note: The end seal is designed to be installed only once; it cannot be removed from the heating cable once installed. Do not use until ready for final installation.



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