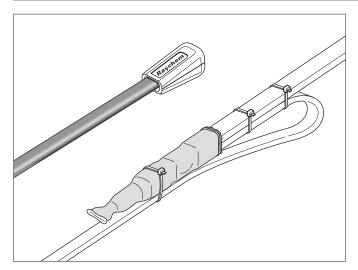


# **Raychem** H910

# WINTERGARD SPLICE AND TEE KIT WITH END SEAL INSTALLATION INSTRUCTIONS



## **APPROVALS**





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

### **KIT CONTENTS**

Item	Qty	Description
A	2	Insulated bus wire crimps
В	1	Uninsulated braid crimps
С	3	Cable ties
D	6	Mastic strips
E	1	Heat-shrinkable cap
F	1	Heat-shrinkable tube (6 inch long, 1 inch dia.)
G	2	Black cloth tape (6 inch long)
Н	1	Clamp tie
I	1	End seal

#### **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 or H908 power connection kit for a complete installation.

#### **APPLICATIONS**

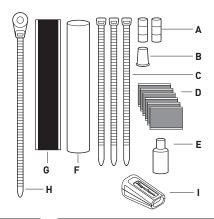
Use the H910 kit with the following WinterGard heating cables: H311, H611, H612, H621, and H622. All are designed for pipe freeze protection in dry locations, but H612 and H622 cables are designed for both wet and dry areas, as well as for roof and gutter de-icing. The cable type is printed on the outer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

## **TOOLS REQUIRED**

- Diagonal Cutters
- Utility knife
- Needle nose pliers
- Heat gun or torch
- Crimp tools (Ideal 30-425 and T&B WT112M or WT2000)
- Hammer and nail (for gutter/downspout applications only)

#### INSTALLATION AND SUPPORT

The minimum installation temperature for this kit is  $0^{\circ}F$  (-18°C). See the WinterGard Application and Design Guide (H53585), H900, or H908 installation instructions for design information. For additional technical support call Pentair Thermal Management at (800) 545-6258.



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This component is an electrical device that must be installed correctly to ensure proper operation and to prevent shock or fire. Read these important warnings and carefully follow all the installation instructions.

- 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 Pentair Thermal Management,
  agency certifications, and national electrical codes, groundfault equipment protection must be used. Arcing may not be
  stopped by conventional circuit breakers.
- Bus wires will short if they contact each other. Keep bus wires
  spharated.
- Keep components and heating cable ends dry before and during installation.
- The black heating cable core is conductive and can short. It must be properly insulated and kept dry.
- Component approvals and performance are based on the use of Pentair Thermal Management-specified parts only. Do not use substitute parts or vinyl electrical tape.
- Leave these instructions with end user for reference and future use.

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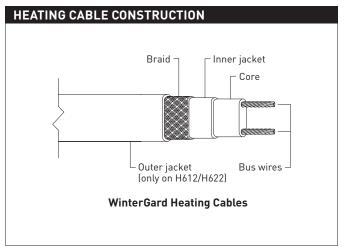
(800) 545-6258.

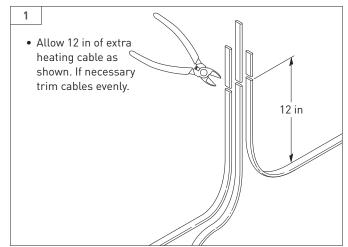
**HEALTH HAZARD**: Overheating heat-shrinkable tubes will produce fumes that may cause irritation. Use adequate ventilation and avoid charring or burning. Consult MSDS RAY3122 for further information. CHEMTREC 24-hour emergency telephone:

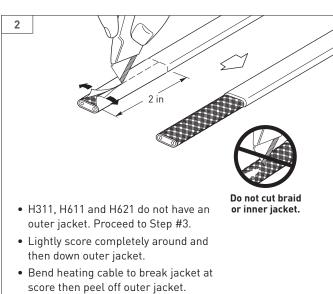
(800) 424-9300 Non-emergency health and safety information:

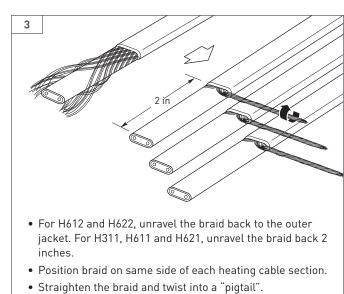
## Splice or Tee Connections

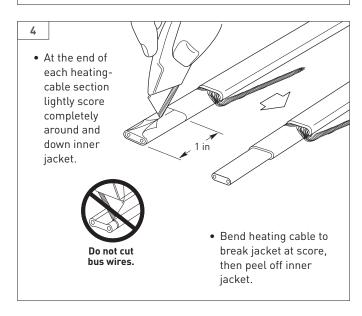
The instructions are shown for a tee connection. Splice connections are done the same way, without the third heating cable section.

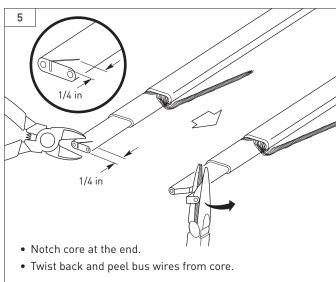


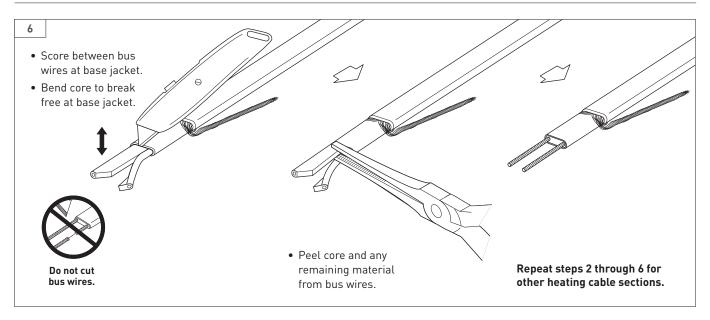


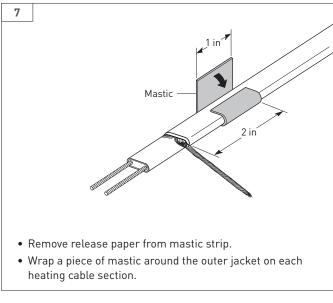


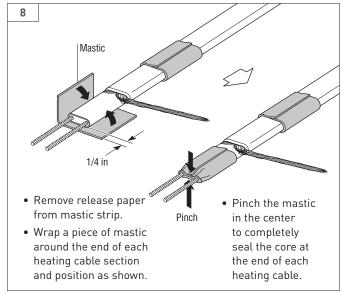


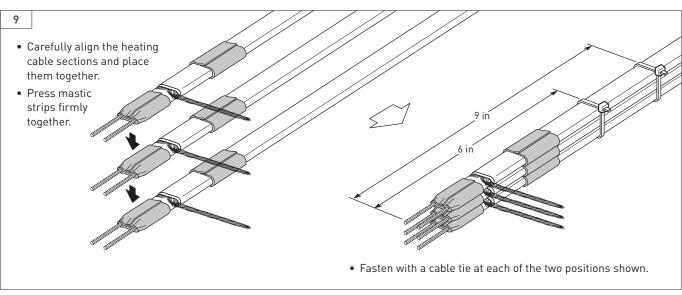


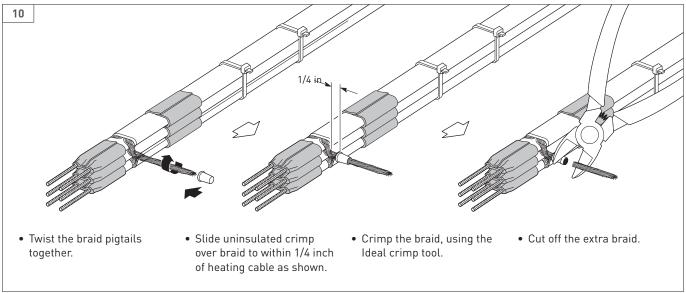


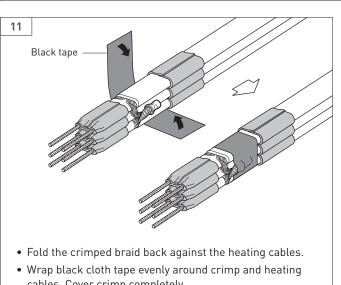




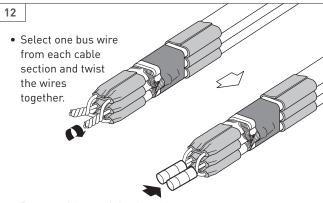




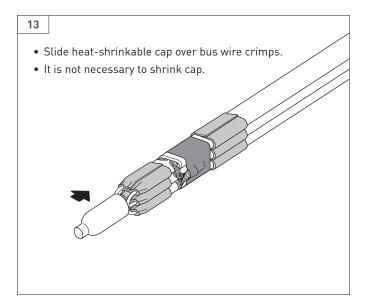


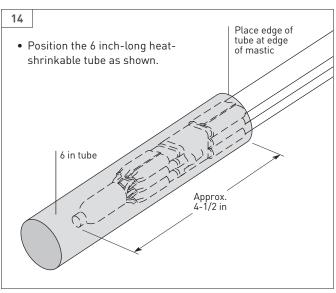


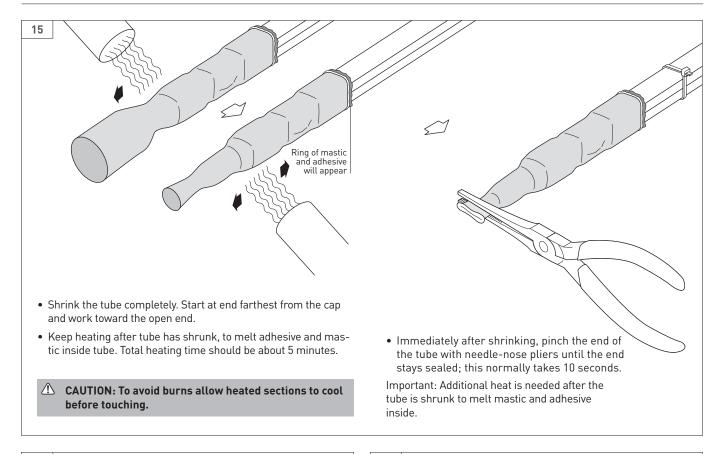
cables. Cover crimp completely.

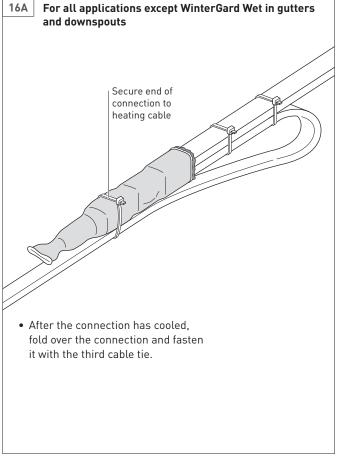


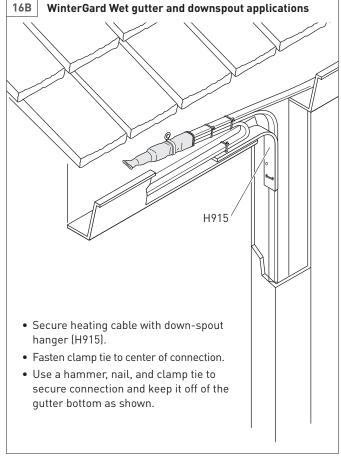
- Repeat with remaining bus wires. Be careful not to twist together bus wires from the same heating cable.
- Use insulated bus wire crimps and T&B crimp tool to crimp each set of bus wires together.





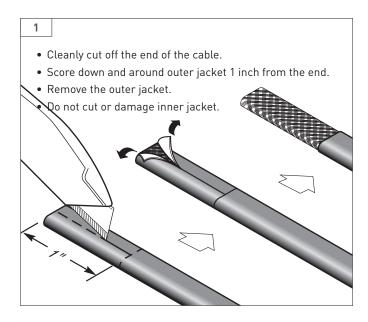


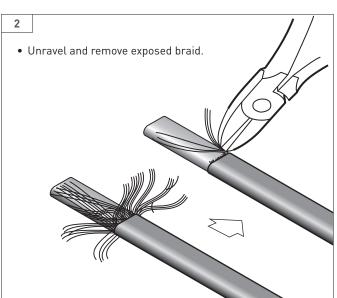




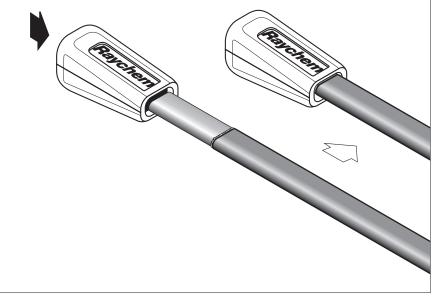
# End Seal Installation Instructions for H612 and H622 Heating Cables

Note: The end seal is designed to be installed only once. It cannot be removed from the heating cable once it is installed. Do not install it until instructed to do so in Step 3



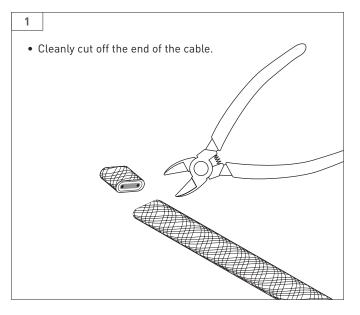


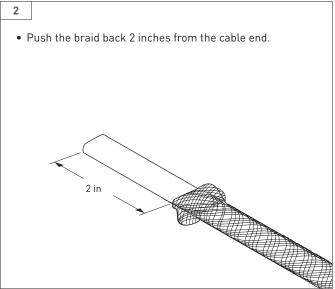
- 3
- Firmly push end seal onto the cable (at least 1½ inch). Some gel may ooze out.
- Do not twist or try to remove the end seal during or after insertion.
- Do not reuse an end seal.



# End Seal Installation Instructions for H311, H611 and H621 Heating Cables

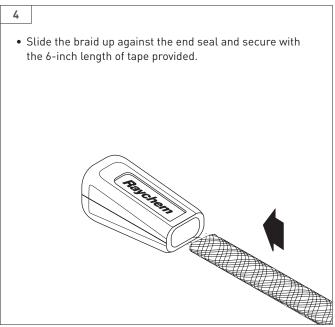
**Note**: The end seal is designed to be installed only once. It cannot be removed from the heating cable once it is installed. Do not install it until instructed to do so in Step 3





• Firmly push end seal onto the cable (at least 1½ inch). Some gel may ooze out. • Do not twist or try to remove the end seal during or after insertion. • Do not reuse an end seal.

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