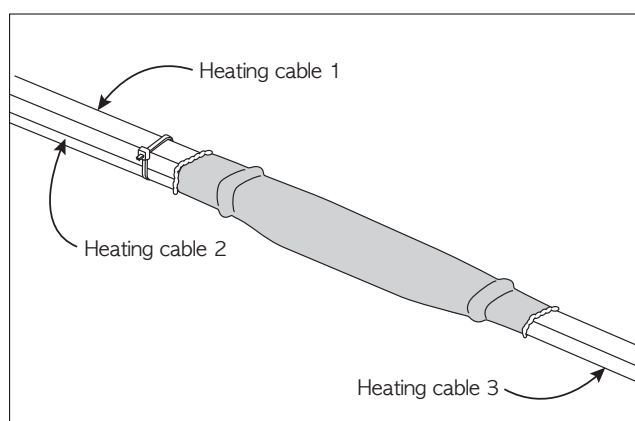


HT-CTS-1

Tee and Splice Connection Kit Installation Instructions

The following instructions illustrate a tee connection of three heat cables. A splice connection is identical but includes only two heat cables (Cables 1 and 3 in the illustration below).



Description

- HT-CTS-1 is a tee or splice connection kit for CRGX and LSRX with -CR suffix self-regulating heating cables. This kit includes materials for one tee or one splice connection.
- CRGX and LSRX with -CR suffix self-regulating heating cables are allowed for both pipe freeze protection and roof & gutter de-icing applications.

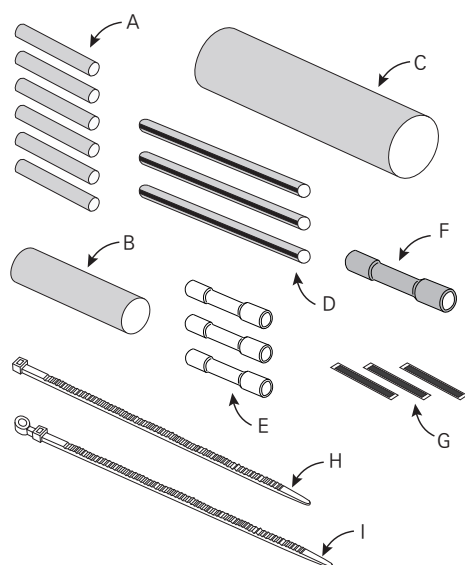
Tools Required

- Ratcheting Crimp tool, Klein 3005CR
- Utility knife
- Heavy duty scissors
- Needle nose pliers
- Heat gun
- Wire stripper

Additional Materials Required

- Additional accessories may be required for roof & gutter application; roof clips (RC-RG) and downspout hangers (DS-RG).

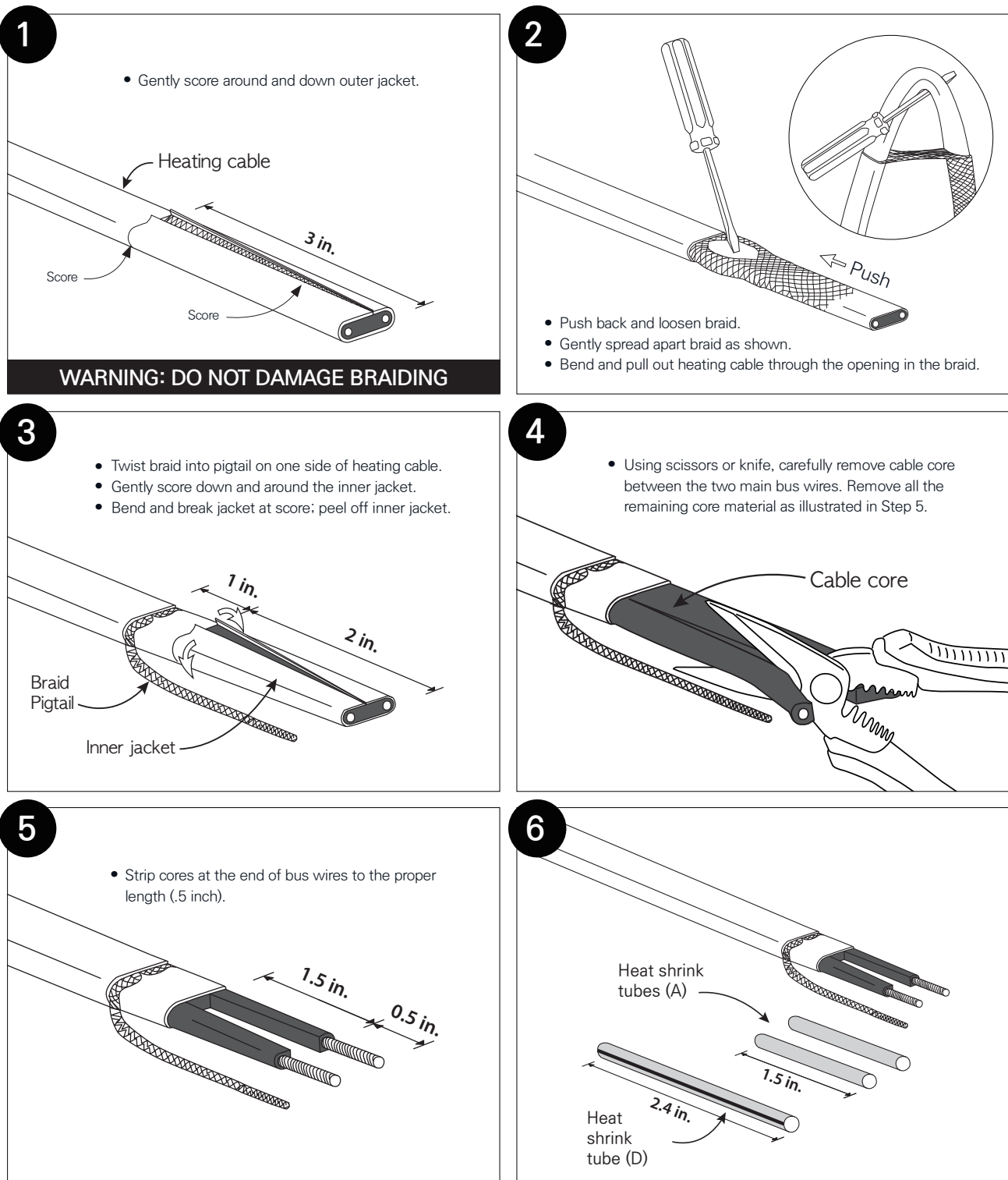
Kit Contents



Item	Description	Dimension	Qty.
A	Heat shrink tube (Black)	0.16×1.5 in.	6
B	Heat shrink tube (Black)	0.63×6.3 in.	1
C	Heat shrink tube (Black)	0.79×12 in.	1
D	Heat shrink tube (Green/Yellow)		3
E	Heat shrink butt splice (Yellow)		3
F	Heat shrink butt splice (Pink)		1
G	Mastic tape		3
H	Cable tie	0.18×7.91 in.	1
I	Cable tie	0.19 ×8 in.	1

HT-CTS-1

Tee and Splice Connection Kit

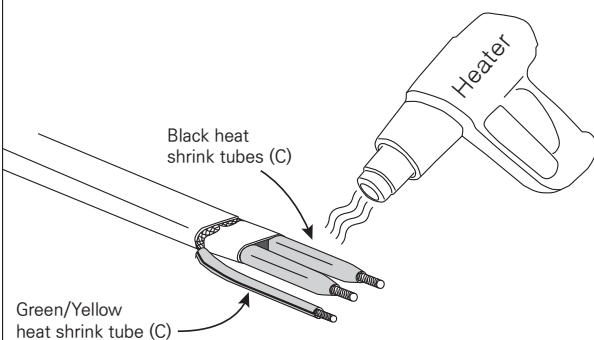


HT-CTS-1

Tee and Splice Connection Kit

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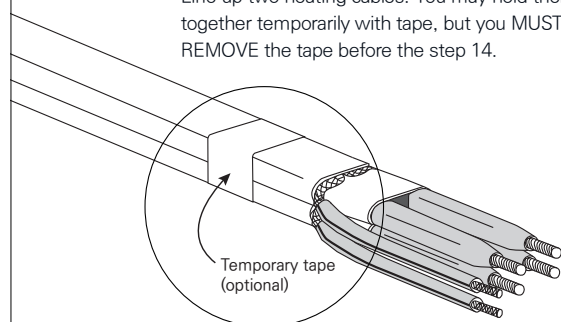
- Slip Black tubes (A) over bus wires.
- Slip Green/Yellow tube (C) over braid pigtail.
- Shrink all three tubes by using heat gun continuously from side to side.



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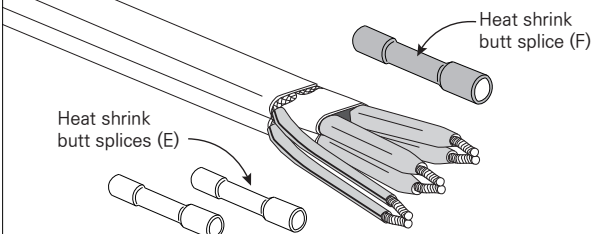
IMPORTANT:

- For tee connection, repeat steps 1 through 7 for second and third heating cables. For a splice, the third heating cable is not used.
- Line up two heating cables. You may hold them together temporarily with tape, but you **MUST REMOVE** the tape before the step 14.



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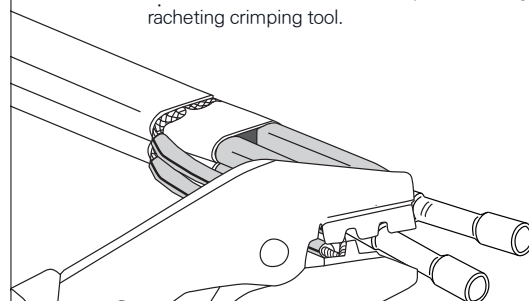
- Hold each section of bus wires and braids together as shown.
- Prepare Heat shrink butt splices (E) and (F).



WARNING: Make sure bus wires from the same heating cable are not twisted together.

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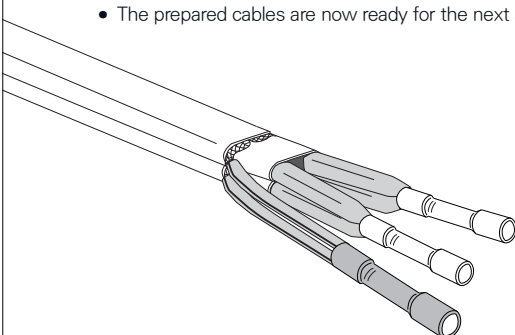
- Crimp each set of bus wires with butt splices (E) and the set of braids with butt splice (F) using a ratcheting crimping tool.



As with a tee connection, use butt splices (E) to connect bus wires of heating cables.

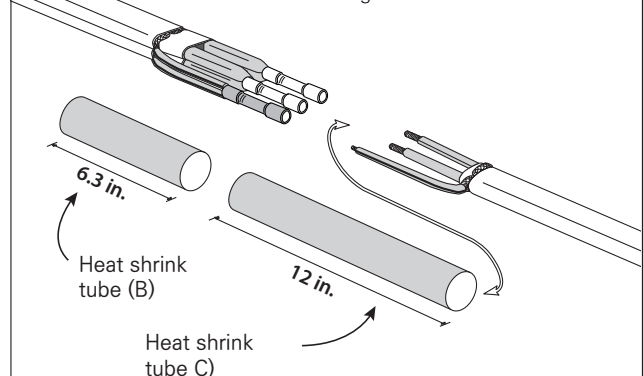
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- The prepared cables are now ready for the next step.



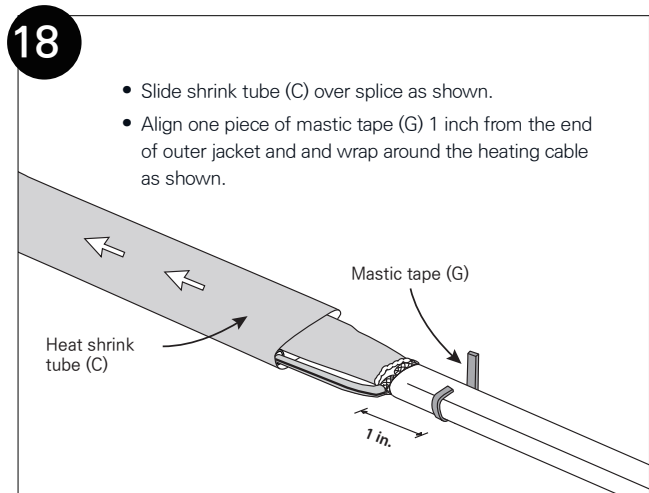
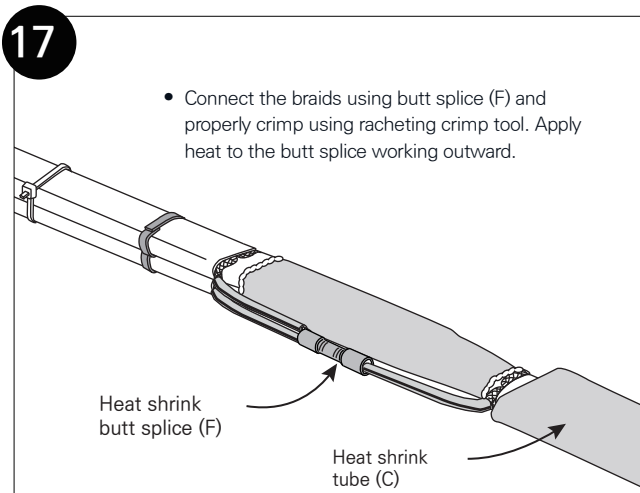
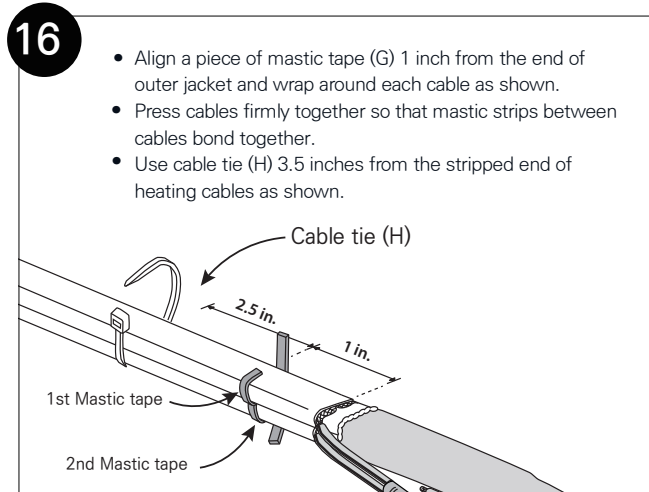
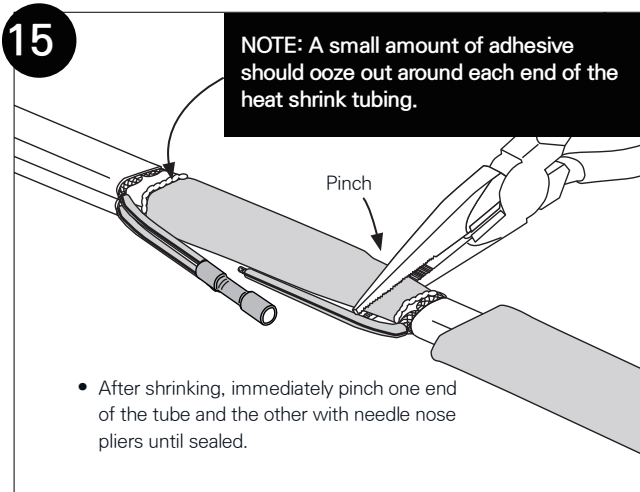
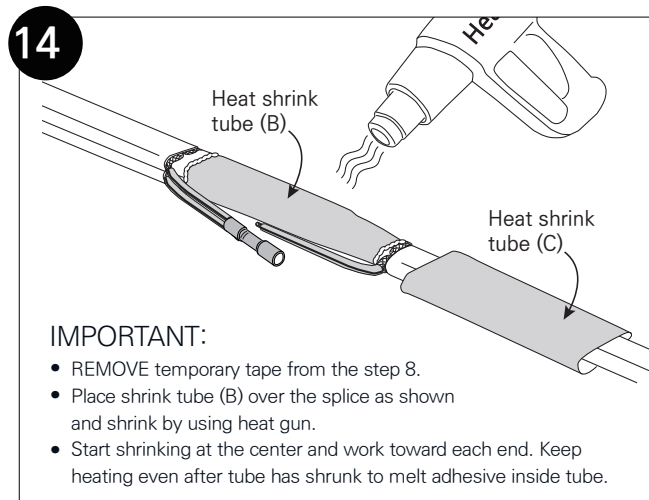
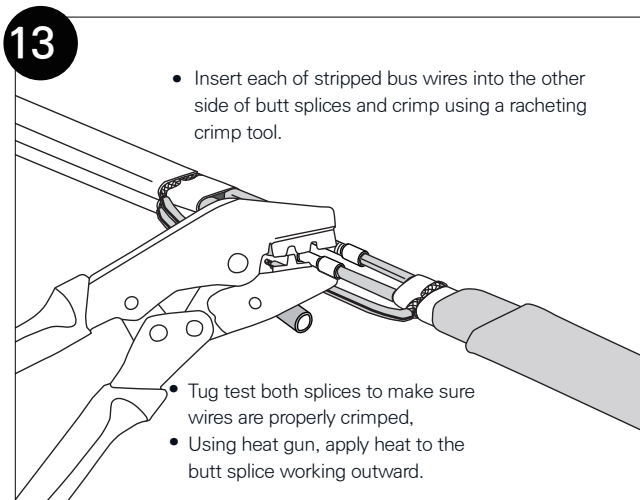
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- Slide shrink tubes (B) and (C) onto the heating cable.



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Tee and Splice Connection Kit



HT-CTS-1

Tee and Splice Connection Kit

