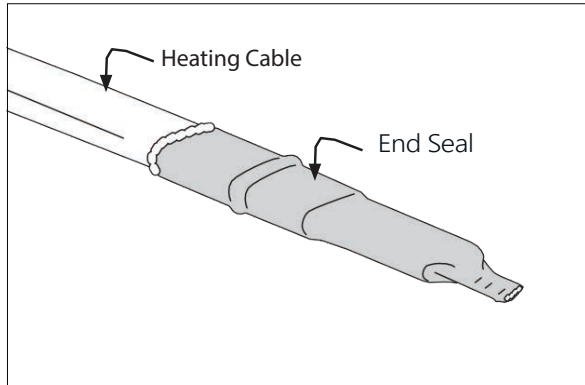


HTW300 Installation Instructions

Heat Shrink End Seal Kit



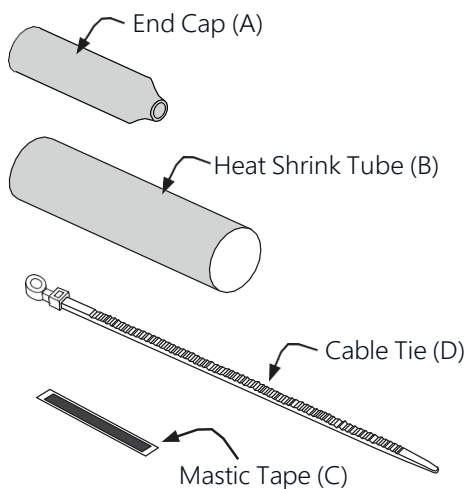
Description

- HTW300 is an end seal kit to terminate HTW self-regulating heating cables. This kit includes materials for one end seal.
- Warning: Do not place end seal in areas subjected to prolonged submersion in water.

Tools Required

- Utility knife
- Pliers (with wire cutters)
- Heat gun

Kit Contents



Item	Description	Dimension	Qty.
A	End Cap (heat shrink)	0.51×2 in.	1
B	Heat Shrink Tube	0.63×6 in.	1
C	Mastic Tape	0.4×2 in.	1
D	Cable Tie	8×0.19 in.	1

HTW300 Installation Instructions

Heat Shrink End Seal Kit

1

- Slide heat shrink tube (B) onto heating cable.
- Gently score around and down outer jacket.
- Remove outer jacket.

WARNING: DO NOT DAMAGE BRAIDING

2

- Push back the braid up to the end of exposed inner jacket.
- Cut 2 inches of cable from the end.

3

- Slip End cap (A) over end of cable.

4

- Use heat gun to shrink End cap (A).
- Start shrinking at end tip and work toward to other end.
- Allow end cap to cool down before moving on to the next step.

NOTE: DO NOT OVERHEAT the end cap.

NOTE: A small amount of adhesive should ooze out around the heat shrink tubing.

5

- Pull braid back to its original position and twist the end.
- Trim end of the braid (A) and fold inward (B).
- Apply Mastic Tape (C) 1 inch from the end of outer jacket and wrap around the heating cable as shown.

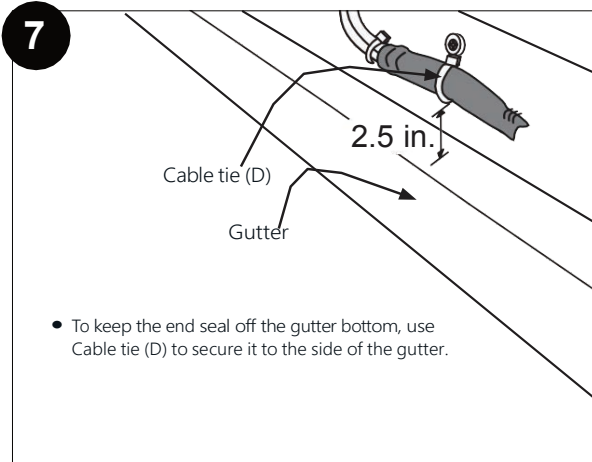
6

- Pull Heat Shrink Tube to extend over the twisted braid.
- Using heat gun, shrink tubing by starting on one end and working towards the other end.
- Before tubing cools, pinch the end of the tube with pliers for 10 seconds until the end stays sealed.

NOTE: A small amount of adhesive should ooze out around the heat shrink tubing.

HTW300 Installation Instructions

Heat Shrink End Seal Kit



HTW200 Installation Instructions

Tee and Splice Connection Kit

13

- Insert each of stripped bus wires into the other side of butt splices and crimp using a ratcheting crimp tool.
- Tug test both splices to make sure wires are properly crimped.
- Using heat gun, apply heat to the butt splice working outward.

14

Heat shrink tube (B)
Heat shrink tube (C)

IMPORTANT:

- REMOVE temporary tape from the step 8.
- Place shrink tube (B) over the splice as shown and shrink by using heat gun.
- Start shrinking at the center and work toward each end. Keep heating even after tube has shrunk to melt adhesive inside tube.

15

NOTE: A small amount of adhesive should ooze out around each end of the heat shrink tubing.

Pinch

- After shrinking, immediately pinch one end of the tube and the other with needle nose pliers until sealed.

16

- Align a piece of mastic tape (G) 1 inch from the end of outer jacket and wrap around each cable as shown.
- Press cables firmly together so that mastic strips between cables bond together.
- Use cable tie (H) 3.5 inches from the stripped end of heating cables as shown.

Cable tie (H)
1st Mastic tape
2nd Mastic tape

17

- Connect the braids using butt splice (F) and properly crimp using ratcheting crimp tool. Apply heat to the butt splice working outward.

Heat shrink butt splice (F)
Heat shrink tube (C)

18

- Slide shrink tube (C) over splice as shown.
- Align one piece of mastic tape (G) 1 inch from the end of outer jacket and wrap around the heating cable as shown.

Heat shrink tube (C)
Mastic tape (G)

HTW200

Installation Instructions

Tee and Splice Connection Kit

19

- Move heat shrink tube (C) over the splice as shown and shrink by using heat gun. Check to see the tube extends over the end of the heating cables.
- Shrink the tube thoroughly.

NOTE: A small amount of adhesive should ooze out around each end of the heat shrink tubing.

20

- The completed tee connection should look like this.

Heating cable 1
Heating cable 2
Heating cable 3

21

Cable Tie (l)
Gutter
2.5

- To keep the connection off the gutter bottom, use Cable Tie (l) and self-tapping screw to secure it to the side of the gutter.