

### DESCRIPTION

The Warmup End-Kit is a solid termination kit for NAMSR self-regulating cables.

### APPLICATION

Used on both Roof & Gutter and for Pipe-Freeze Protection applications, the End-Kit provides the installer with a solid, mechanical cable termination. It saves time and materials over traditional heat-shrinking techniques. These connection kits must be installed according to NAMSR guidelines and minimum installation temperatures.

### APPROVALS



### REQUIRED TOOLS

- Wire cutter
- Nose pliers
- Screwdriver
- Tie Wrap

### WARNING

The 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 the national electrical codes, ground-fault equipment protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection.
- Bus wires will short if they contact each other. Keep bus wire separated.
- Keep ends of heating cable and kit components dry before and during installation.

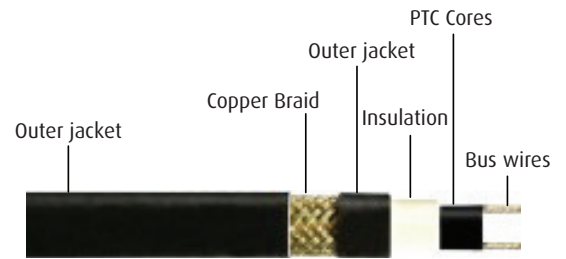


### KIT CONTENT

Item	Qty	Description
A	1	Seal Plate for Main box
B	1	Main End Seal Box
C	1	(colour) Grommets
D	1	Label

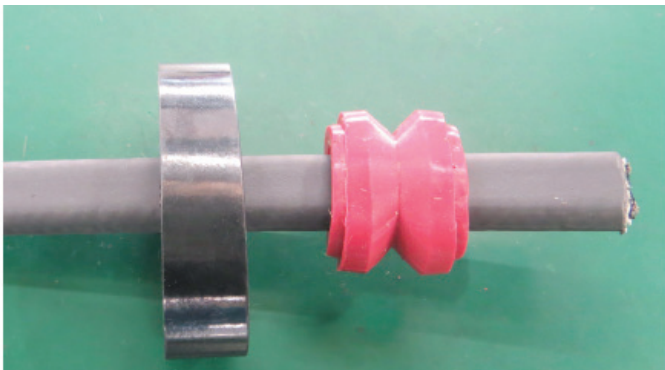
- The black heating cable core is conductive and can short. It must be properly insulated and kept dry.
- Component approvals and performance are based on the use of specified parts only. Do not substituted parts or use vinyl electrical tape.
- Leave these installation instructions with the user for future reference.
- The heating cable should not be embedded in the thermal insulation.
- The cable should not be twisted during installation.
- De-energize all power circuits before installation or servicing.
- The conductive layer of this heating cable device must be connected to a suitable grounding/earthing terminal.

### INSTALLATION INSTRUCTIONS

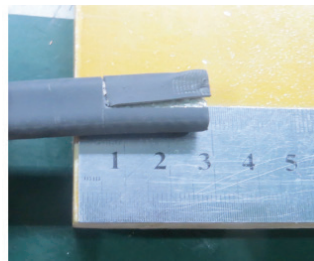
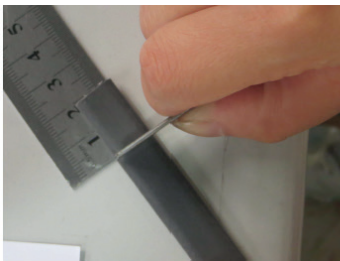


Cable with outer jacket for dry and wet conditions

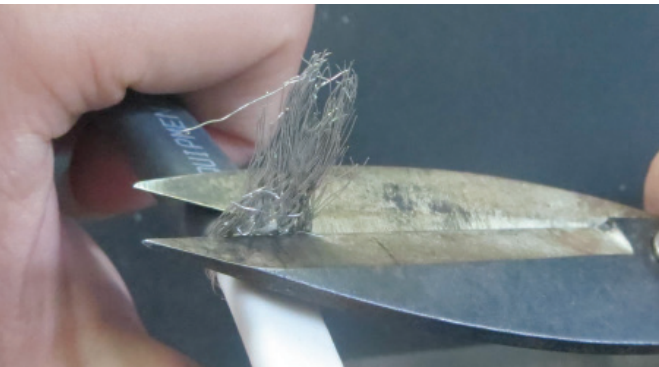
1- Insert first the Pressure Seal End then the Grommet into the cable.



- 2-
- Do not cut the braiding.
  - Strip outer jacket.
  - Slightly bend the cable where you made the cut to strip it.



3- Remove excess braiding.



- 4-
- Insert the heating cable into the main box.
  - Install the grommet into position.
  - Screw the Pressure Seal End into the main box.



- 5-
- Affix the Low Profile End Seal Box and side wires to the pipe with tape.
  - Install insulation.
  - Install label on the top of the insulation protector.
  - Give instructions to the owner/user.

