

### DESCRIPTION

The WARMUP Low-Profile Speedfit-Splice Kit is suitable for use with self-regulating heating cables to make splice and end seal connections. The kit contains materials for one splice kit. This kit does not provide a power connection: use WARMUP Power Connection kit for a complete installation.

### APPLICATION

The Speedfit-Splice is used to create an inline connection with 2 self-regulating cables. This application is found on tracing runs for water lines as well as on roof and gutter applications. The Speedfit-Splice saves considerable time and is mechanically sounder than traditional heat-shrink connections. These connection kits must be installed according to NAMS guidelines and minimum installation temperatures.

### APPROVALS



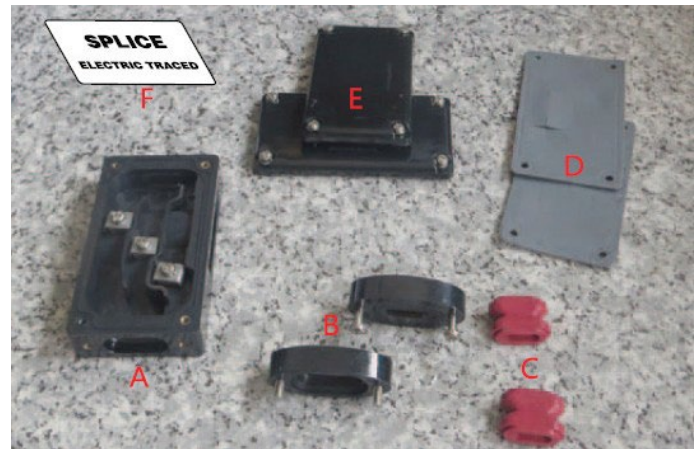
### FEATURES & BENEFITS

- Waterproof
- NEMA 4X
- Class 1 Division 2 compliant

### 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	Main box
B	2	Pressure Seal End
C	2	Grommets
D	2	Gaskets for Main Box
E	2	Cover for Main Box
F	1	Label

### USAGE CLASSIFICATION

Self-Regulating series connection kits are CSA certificated with Self-Regulating cable.

For Hazardous Locations:  
Class I, Div. 2, Groups A, B, C, D; Class II, Div. 2, Groups E, F, G; Class III; T-coded (T5 or T6)

- 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

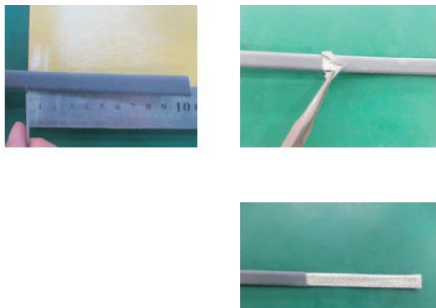
1- Leave extra wire for connections and mishaps.



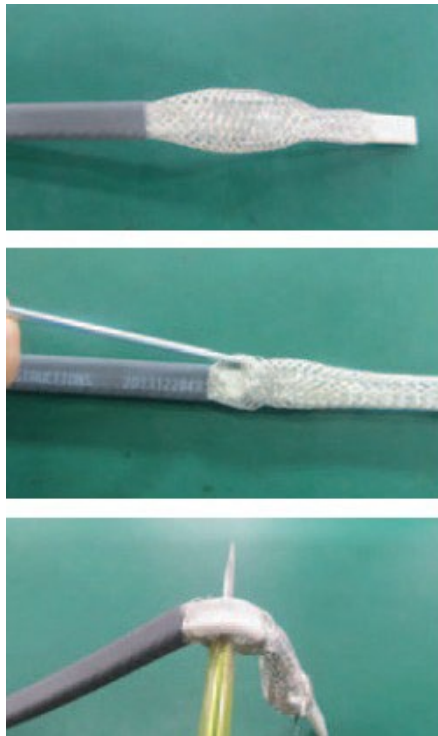
2- Insert the Pressure Seal End first and then the grommet for each cable.



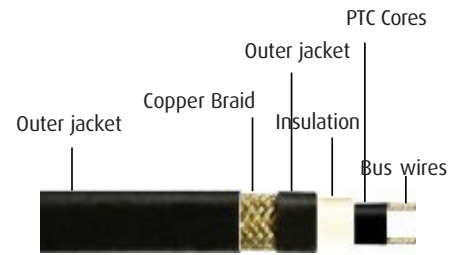
3-  
• Do not cut the braiding.  
• Strip the outer jacket.  
• Slightly bend the cable where you made the cut to strip it.



4-  
• Push the braid back to create a bump.  
• Then use a screwdriver or similar to create an opening and slide the inner cable out of the braided ground mesh.  
• Do not cut the ground braid.

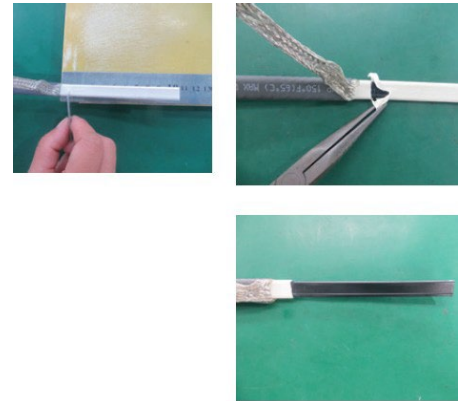


5- Twist the ground braid clean for future connection to screw connector.

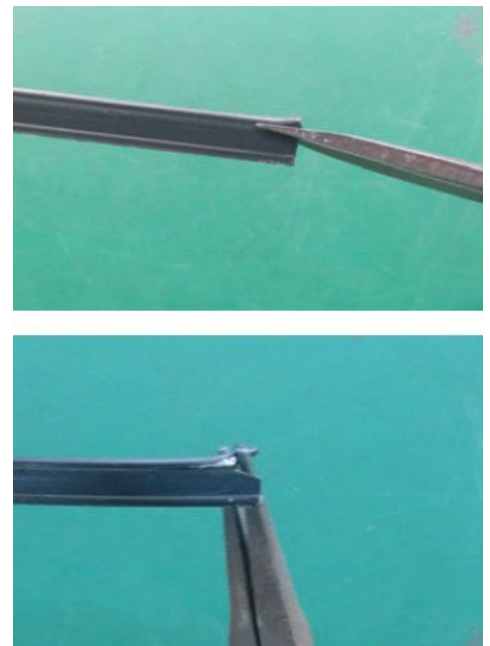


Cable with outer jacket for dry and wet conditions

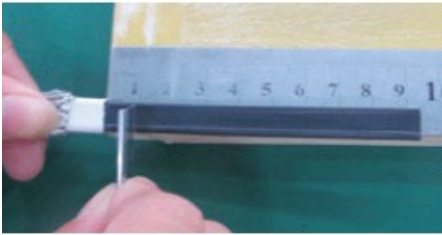
6- Now expose the inner core cables and carbon matrix by carefully removing the inner jacket. Do not cut the conductor cables.



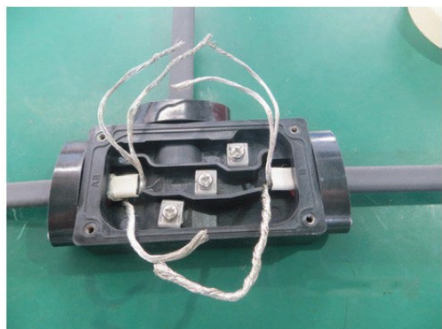
7- Separate bus wires from the solid carbon center and peel them off.



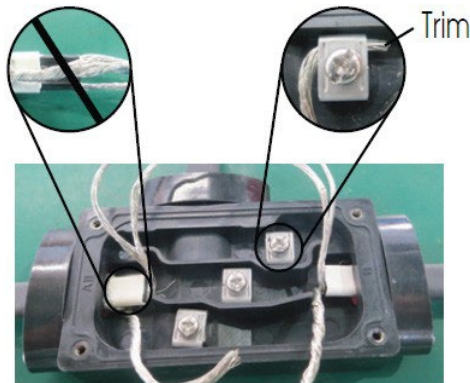
8- Clear about 3-4" of the inner wires from the carbon matrix, then cut off the excess matrix in between. You should be left with a twisted ground braid, and two inner conductor cables about 3-4" long.



- 9-
- Insert the two heating cables into the main box.
  - Install the 2 grommets into their positions.
  - Screw the 2 Pressure Seal Ends into the main box.



- 10-
- Remove screws.
  - Install the wires in the main box.
  - Take out any loose or extra wire.
  - Take the wire away from the bus wire.
  - Tighten screws back into position.



- 11-
- Install the gaskets and the covers onto the main box.
  - Tighten main cover with the four screws on the main box.



- 12-
- Affix the Low-Profile Splice Connection and side wires to the pipe.
  - Affix insulation.
  - Install label on the top of the insulation protector.
  - Give instructions to the owner/ user.





The world's **best-selling** electric floor heating brand™

# SPEEDFIT-SPLICE SUBMITTAL SHEET WSC-2804

## TECHNICAL SUPPORT

Warmup is available 24/7/365 at (888) 927-6333.

For quotes, layouts and specific technical information, contact us at:

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## RELATED PRODUCTS

- NAMSUR CABLE FOR ROOF & GUTTER APPLICATIONS - see WSC-0929
- NAMSUR CABLE FOR PIPE FREEZE PROTECTION - see WSC-0930
- SPEEDFIT-END KIT - see WSC-3004
- SPEEDFIT-TEE - see WSC-0105

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