

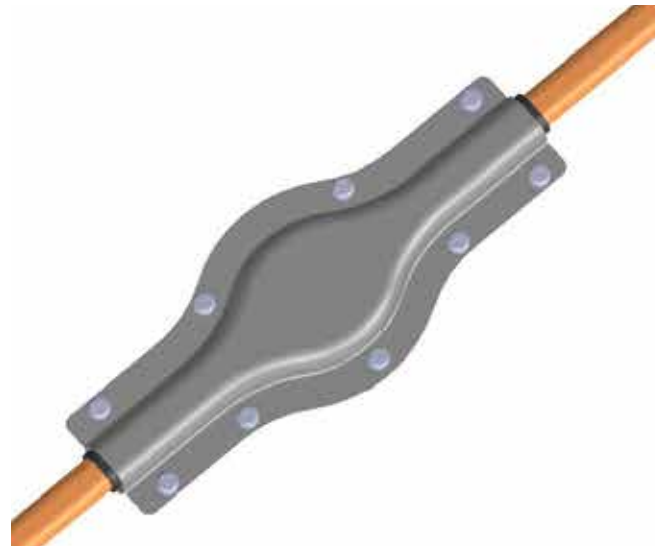
SK-SX

Splice Connection Kit

INSTALLATION PROCEDURES

**SK-SX Splice for BSX, RSX, HTSX,
VSX, VSX-HT, KSX, RRT, RCL**

Order separately to be used in conjunction
with Thermon connection kits



SK-SX

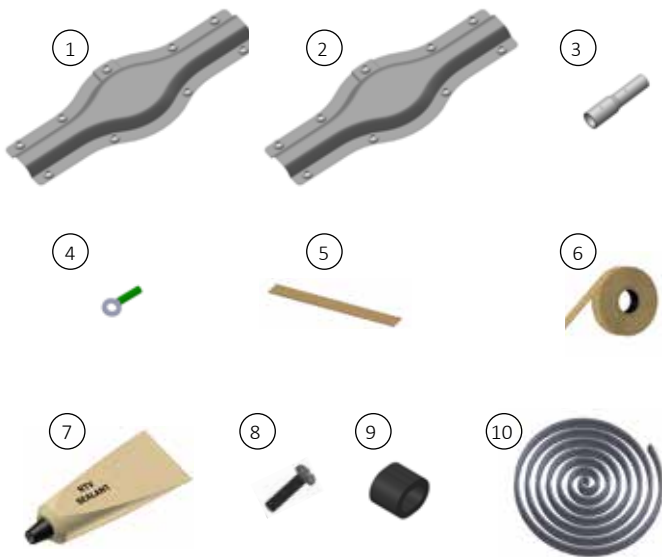
INSTALLATION PROCEDURES

The following installation procedures are guidelines for the installation of the Splice Connection Kit.

Receiving, Storing and Handling

1. Inspect materials for damage incurred during shipping.
2. Report damages to the carrier for settlement.
3. Identify parts against the packing list to ensure the proper type and quantity has been received.
4. Store in a dry location.

Kit Contents



Item	Qty.	Description
1	1	Metallic Cover Top
2	1	Metallic Cover Bottom w/ Pem Nut SP-632-0 Attached
3	2	High Temp Lug
4	2	Ring Terminal
5	4	150 mm Teflon Tape Strip
6	2	Teflon Tape 2 ft.
7	3	RTV Tube
8	10	Screw, 6-32
9	2	Grommet SXL, SXM, SXS
10	1	Optional: RCL Cold Lead

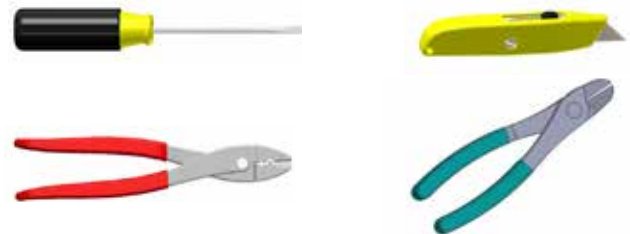
Grommets (per cable)

SXL	for RSX, RRT, RCL
SXM	for BSX, VSX, VSX-HT, BRT
SXS	for KSX, HTSX

Warnings

- Due to the risk of electrical shock, arcing and fire caused by product damage or improper usage, installation or maintenance, a ground-fault protection device is required.
- Installation must comply with Thermon requirements (including form PN 50207U for Ex systems) and be installed in accordance with the regulations as per the norm EN IEC 60079-14 for hazardous areas (where applicable), or any other applicable national and local codes.
- Component approvals and performance ratings are based on the use of Thermon specified parts only.
- De-energize all power sources before opening enclosure.
- Keep ends of heating cable and kit components dry before and during installation.
- Minimum bending radius of heating cable is 32 mm.
- Individuals installing these products are responsible for complying with all applicable safety and health guidelines. Proper Personal Protective Equipment (PPE) should be utilized during installation. Contact Thermon if you have any additional questions.

Tools Required

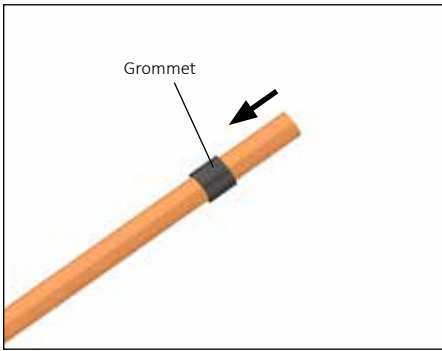


SK-SX Certifications/Approvals¹

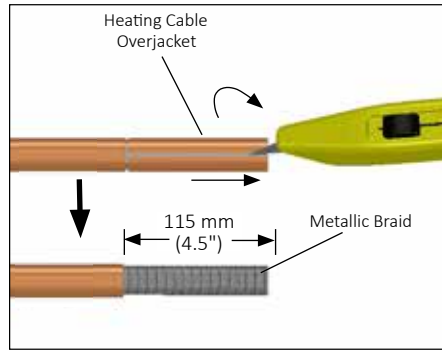


Note:

1. These sets have been evaluated as components of Thermon's Approved connection kits, such that the area use ratings depend on the rating of the connection kits.

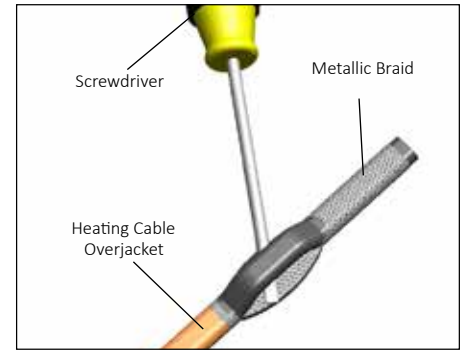


1. Slide the grommet onto each end of the cable.

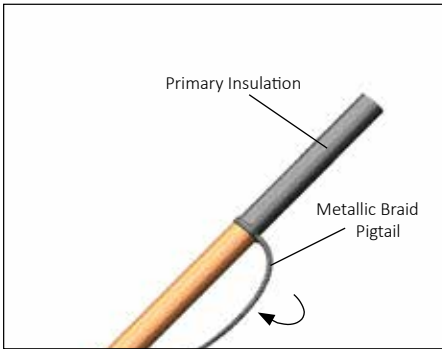


2. Cut cable as shown. Cut and remove heating cable overjacket exposing metallic layer.

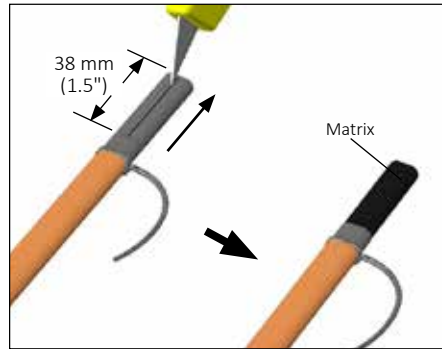
Do not cut metallic braid.



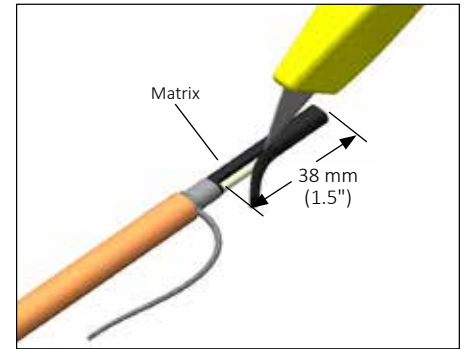
3. Separate braid strands at edge of overjacket and pull cable through opening. Twist braid into a pigtail. Trim ends of braid.



4. Twist braid into a pigtail. Trim ends of braid.

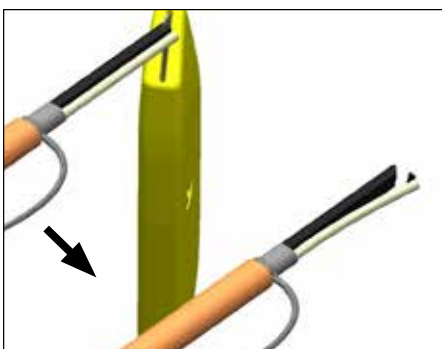


5. Cut and remove 38 mm (1.5") primary insulation jacket (BSX and RSX cables only).

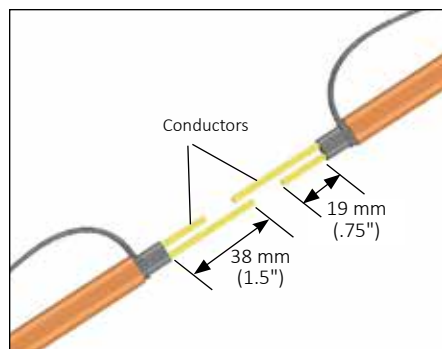


6. Skive outside edges of black matrix.

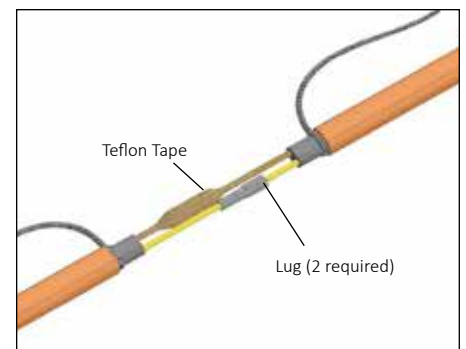
Do not cut bus wire strands.



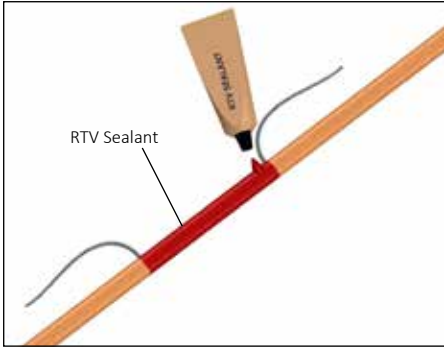
7. Cut V-notch in matrix and pull bus wires from matrix. Cut and remove center matrix.



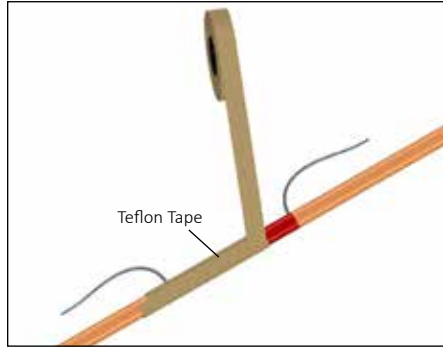
8. Stagger cut the conductor wires as shown.



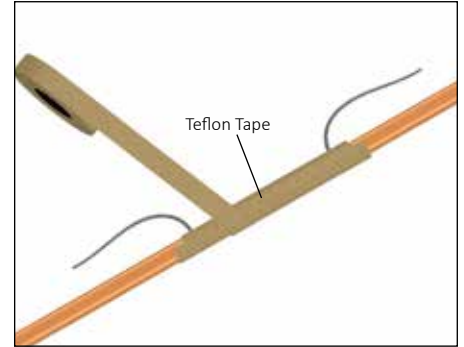
9. Slip a lug over each set of conductor wires and crimp lug securely. Wrap each lug separately (using a 50% overlap) with two (2) 150 mm teflon tape strips.



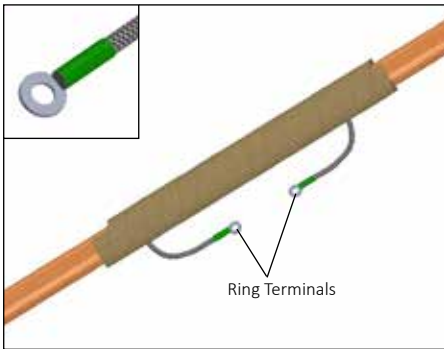
10. Apply RTV sealant between the conductor wires and over the braid as shown.



11. Starting 13 mm before the metallic braid, wrap Teflon tape over the two (2) conductors using a 50% overlap. Wrap over and past the braid 13 mm.



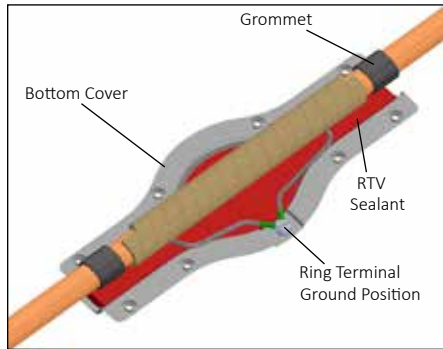
12. Apply a second layer (again using a 50% overlap) over the first Teflon layer moving in the opposite direction.



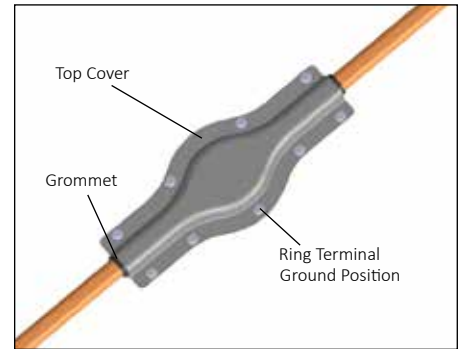
13. Cut ends of both braids in order to square them up. Insert braid into one of the two (2) grounding ring terminals. Line the braid up with the end of the barrel, then crimp. Repeat on other side.



Do not allow braid to extend beyond end of barrel.



14. Place both ring terminals into grounding position and secure with screw provided. Fill the top and bottom covers with RTV sealant leaving no voids or air pockets. Press cable into sealant.



15. Connect the top and bottom covers with the screws provided. Secure the assembled cover and cable to the pipe.

