



Installation Instructions

SLCABUC-EU Power Connection Kit / End Termination Kit

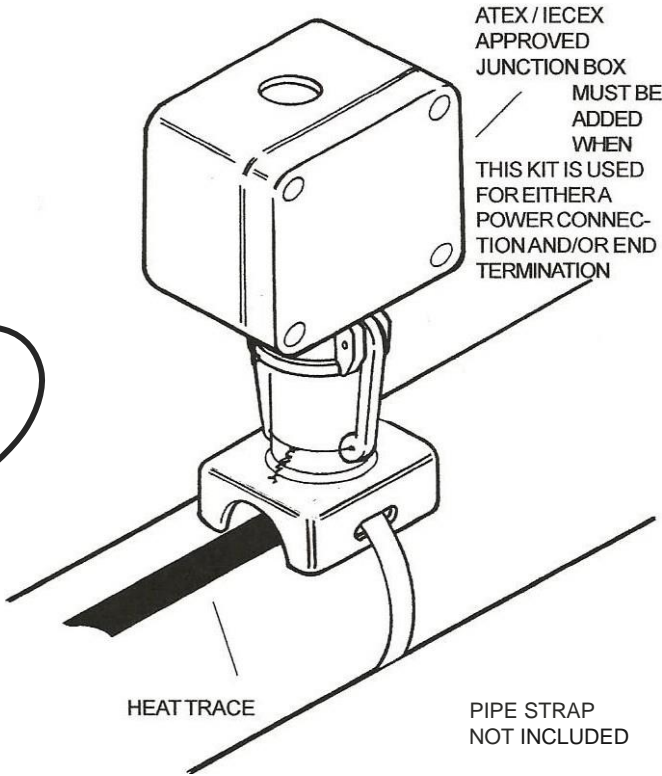
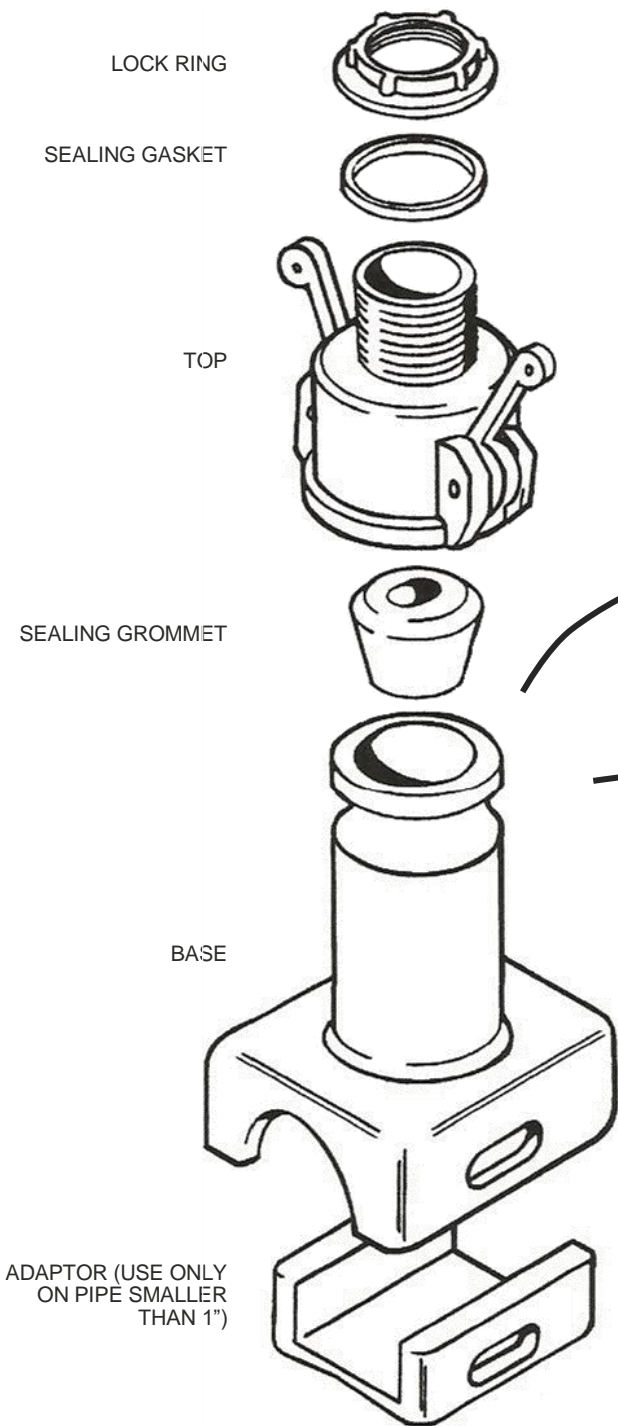
(For use with SLCAB, SLMCAB, and SLXCAB Families of Heating Cables that are IECEx and ATEX approved)

Kit Description

This kit is designed to be used in conjunction with an IECEx / ATEX approved electrical box / enclosure. It can be used for either a power connection or an end termination of a cable installation.

Kit Contents

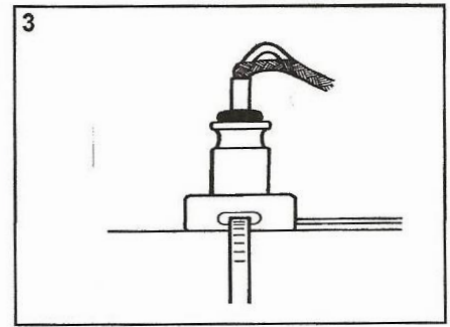
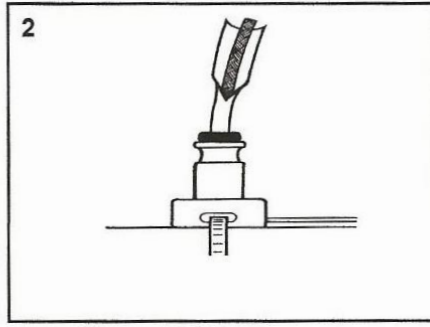
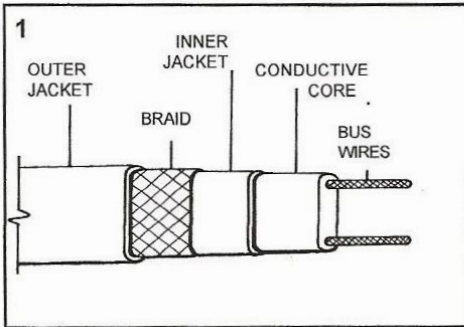
Qty.	Description
1	Base
1	Top
1	Sealing Grommet (large hole)
1	Sealing Grommet (small hole)
1	Sealing Gasket
1	Termination Boot (Red Silicone "Pair of Pants")
1	Shrink Tube ½" x 5 ½" (green/yellow)
1	Tube of Dow Corning silicone (securing gasket)
1	Lock Ring
1	Adaptor (for installation on pipe smaller than 1")
1	Nylon Zip Tie
1	End Boot



The material contained in this document is presented in good faith and believed to be reliable and accurate. However, because testing conditions may vary and material quality or information that may be provided in whole or in part by others may be beyond our control, no warranty, expressed or implied, is given and no liability assumed for results obtained or damages incurred through the application of the data and tests presented.

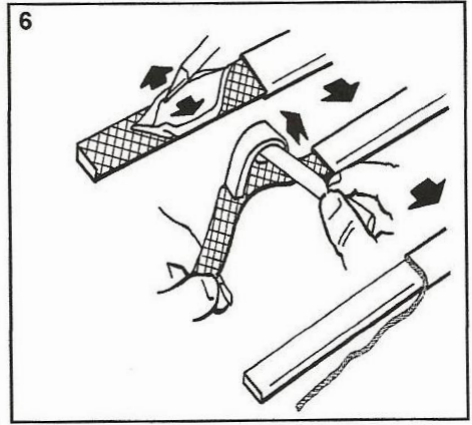
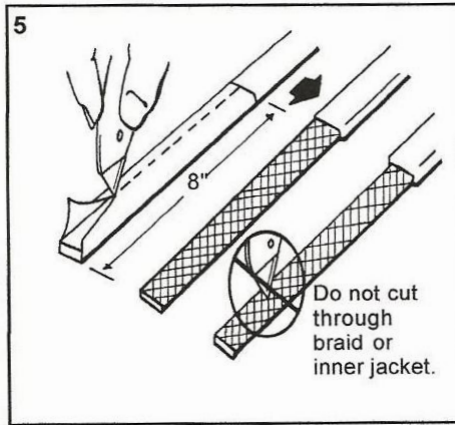
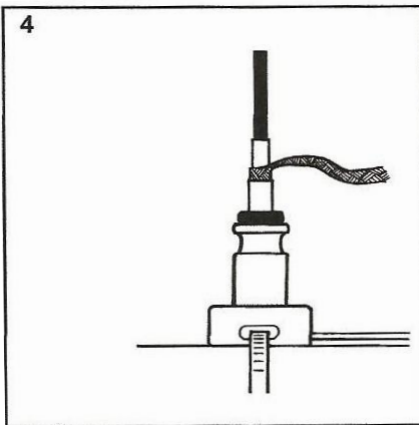
Installation for Power Connection

(Note: If using kit for end termination, skip ahead to next section, **Using the Kit as an End Termination.**)



Extend the heater 7 1/2" above the base. Slide the grommet over the heater inserting the grommet in the base. Strip outer jacket 7" from end. Attach the base to the pipe with a pipe strap.

Make an opening in the ground braid, bend the heater, and pull the inner jacket and core through the opening in the braid. Twist the ground braid into a pigtail.

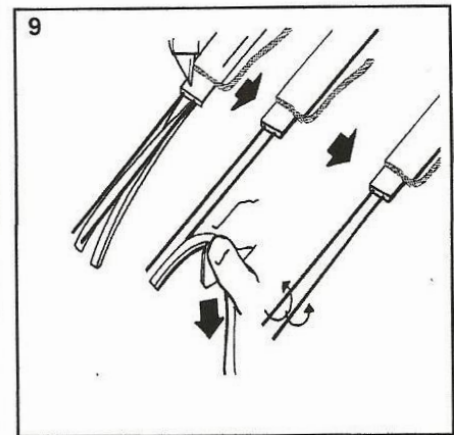
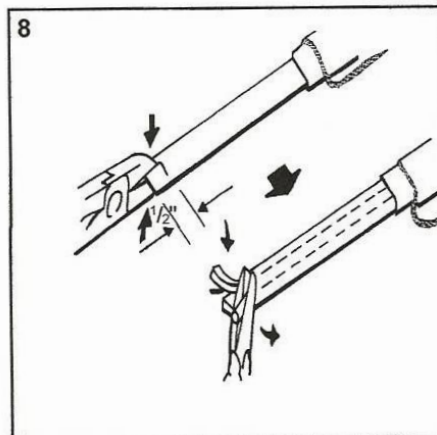
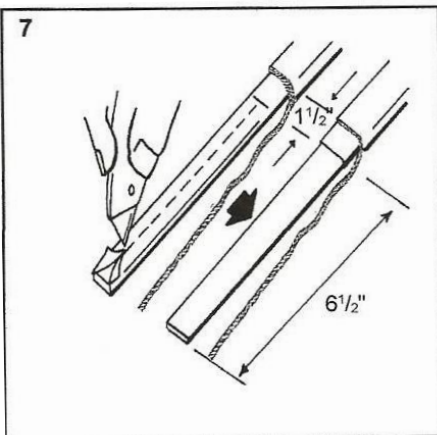


Strip the inner jacket 6" from the end. Strip the bus wires out of the core, following the Heat Trace Stripping Instructions.

Lightly score the outer jacket and strip as shown.

Work opening through braid at jacket, cut back and pull out inner core.

Twist braid into a pigtail.

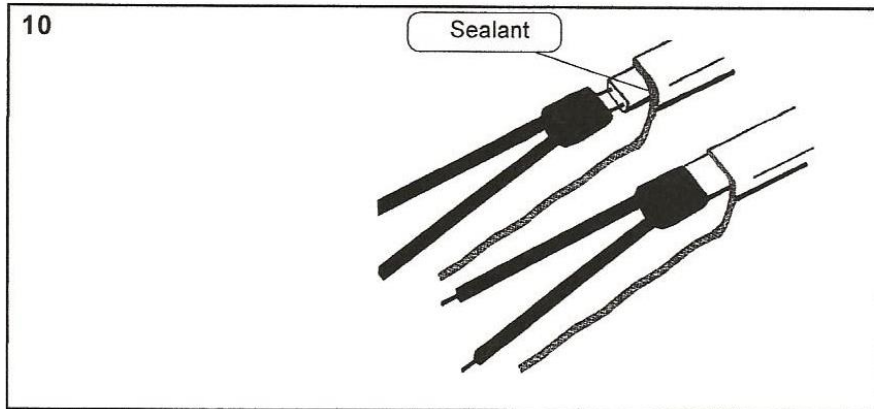


Lightly score the inner jacket and strip as shown.

Cut inner core at end as shown. Roll back with pliers and peel bus wires away from core.

Remove core material from between the bus wires and any core material remaining on the bus wires

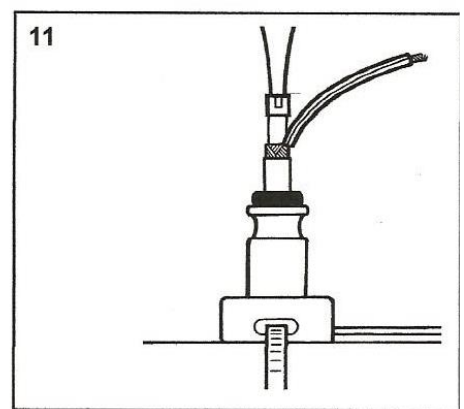
Retwist bus wires.



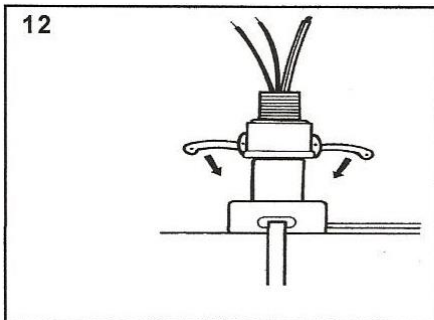
Start sliding the bus wires into the clear tubes (these function as guide tubes) that are inside the termination boot.

Before the boot is completely on, fill the boot end with RTV sealant. Pull the clear tubes out of the termination boot.

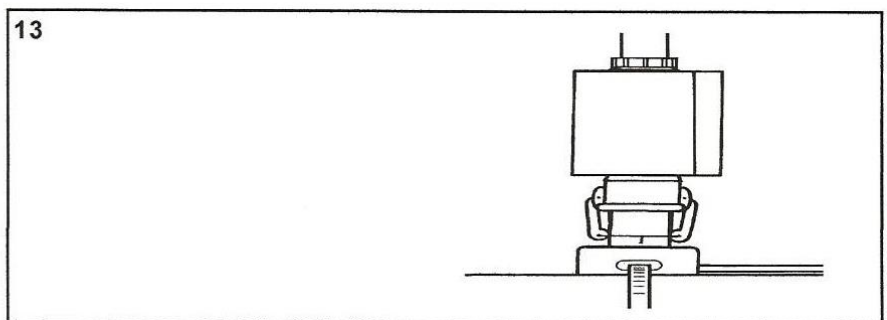
Continue sliding the heater into the boot until fully inserted. Make sure the wires do not touch or cross. Trim the ends of the wires to 1/2".



Make sure the sealing grommet is set in the base.



Slide the top in place and push and lock the cam levers into position. Lock cam levers by inserting the nylon zip tie wire through the holes in the ends of the cam levers and twisting together, inserting nylon zip tie through holes in the ends of the cam levers and pull tight to secure.



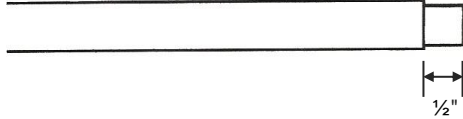
Mount appropriate ATEX / IECEx approved junction box with non-threaded opening for 3/4" conduit. First, apply silicone material from the supplied tube onto one side of the supplied sealing gasket. Place the gasket onto the top of the cam locking device, silicone applied side facing downward toward the top of the device. The threads of the top of the cam device should go through the sealing ring. Once the gasket is in place, allow the silicone to cure before the heating cable system is powered. Place the junction box onto the top of the sealing gasket making sure the threads of the cam lock device are completely through the junction box. Make sure that the base of the junction box is flat against the sealing gasket to insure a good seal. Once the box is in place, use the supplied lock ring to hold the box tightly in place.

Using the Kit as an End Termination

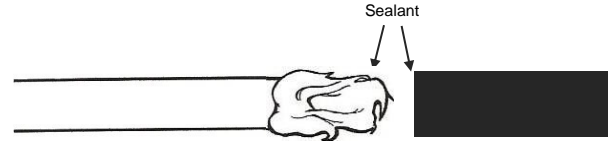
(Note: As noted above, when using the components as a power connection kit, push the cable through the supplied standoff and grommet so that the end of the cable is 4 inches above the top of the standoff/ grommet.)

Prepare the end of the cable per the following steps:

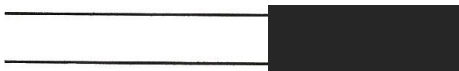
1. Score and remove $\frac{1}{2}$ " of the outer jacket. Unravel the braid and trim it back to the outer jacket cut back.



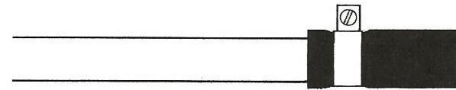
2. Apply RTV Sealant into the end cap and also over 1" of the end of the heater.



3. Slide the end cap on the heater. (Make sure $1\frac{1}{4}$ " of heater goes in the cap, including $\frac{3}{4}$ " of the outer jacket.)



4. Slide the clamp over the end cap and position it $\frac{1}{4}$ " from the heater entrance point. (Note: The screw may have to be completely removed in order to get the clamp over the cap, and then reinstalled.) Tighten the clamp until the cap deforms.



5. Make sure the sealing grommet is set in the base.

6. Slide the top in place and push and lock the cam levers into position. Lock cam levers by inserting the nylon zip tie wire through the holes in the ends of the cam levers and twisting together, inserting nylon zip tie through holes in the ends of the cam levers and pull tight to secure.

7. Mount appropriate ATEX / IECEx approved junction box with non-threaded opening for $\frac{3}{4}$ " conduit. First, apply silicone material from the supplied tube onto one side of the supplied sealing gasket. Place the gasket onto the top of the cam locking device, silicone applied side facing downward toward the top of the device. The threads of the top of the cam device should go through the sealing ring. Once the gasket is in place, allow the silicone to cure before the heating cable system is powered. Place the junction box onto the top of the sealing gasket making sure the threads of the cam lock device are completely through the junction box. Make sure that the base of the junction box is flat against the sealing gasket to insure a good seal. Once the box is in place, use the supplied lock ring to hold the box tightly in place.

SLCABUC-EU Connection Kit Information and Instructions

IECEX	ATEX
IEC 60079-0: 2011	EN 60079-0: 2012 (+All:2013)
IEC 60079-7: 2015	EN 60079-7: 2015
IEC 60079-31: 2013	EN 60079 -31: 2014

European Directive 2014/34/EU

Certifications: IECEx - Ex eb IIC Gb / Ex tb IIIC Db

ATEX - Ex eb IIC Gb / EX tb IIIC Db

Marking Information

Detail	IECEX	ATEX
Certificate number:	IECEX SIR 20.0037X	CSANe 20ATEX3224X
Certification code:	Ex eb IIC Gb / Ex tb IIIC Db	Ex eb IIC Gb / EX tb IIIC Db
Other marking:		CE nnnn Ex II 2GD
Model number:	SLCABUC-EU	
Manufacturer's name:	BriskHeat Corporation	
Manufacturer's address:	BriskHeat Corporation 4800 Hilton Corporate Dr.; Columbus, OH 43232 USA	
Serial number:	XXXX	
Year of manufacture:	YYYY	
Warnings:	WARNING: "POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS"	

Service Temperature - (-34 deg C to 110 deg C)

Warnings: POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS BELOW

Conditions of Certification/Specific Conditions of Use

- The Connection Enclosure has a non-conducting coating and may generate an ignition -capable level of electrostatic charge under certain extreme conditions. The user shall ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.
- The SLCABUC-EU Heat Trace Standoff must be connected to a suitably certified terminal enclosure for termination of cables.
- The user must ensure a minimum of IP54 is maintained between the standoff and enclosure by following the information provided in the installation manual and selecting the relevant grommet for the size of cable in use.
- The SLCABUC-EU Heat Trace Standoff is suitable over a service temperature range of between -34°C to +110° C. Both the trace heating cable and the terminal box used with the standoff shall be selected so that this temperature range is not exceeded.
- The standoff is suitable for use with cables of 0.250" X 0.450" (6.35 mm x 11.43 mm) and 0.225" X 0.580" (5.715 mm X 14.732 mm) size.
- Cables must be secured to ensure that no mechanical strain can be applied to the cable.

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