

PP-PC-OL
PowerPod™ Power/Splice Connection System
Low Temp Ordinary Location



These installation instructions are for use with Drexan™ HeatTracer PipeGuard™ and RoofGuard Self-Regulating heater products rated for T6, 150°F (65°C)

Note: The PP-PC-OL Connection system can be used as a heater to heater splice.

This kit may be installed in temperatures as low as -40°F (-40°C).

For technical support call Drexan™ HeatTracer at 1.800.663.6873

WARNING!

This is an electrical device and in order to ensure proper operation and prevent shock or fire it must be installed correctly. Read these important warnings. Follow all installation instructions.

Ground-fault equipment protection must be used to minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed and to comply with Drexan™ HeatTracer requirements, agency certifications and national electrical codes. Conventional circuit breakers may not stop arcing.

Do not use substitute parts or substitute electrical tape. Component approvals and performance characteristics are based on Drexan™ HeatTracer specific parts only. Substitution will void approvals and performance claims.

The heating cable core is conductive and can short if not properly insulated and kept dry.

Heating cable core bus wires can overheat and short when damaged. When cutting the cable jacket or core do not break bus wire strands.

Component and heating cable ends must be kept dry before and during installation.

Fire-resistant thermal insulation materials should be used.



Approvals

Ordinary Locations

US Patent 7878868/ Patent Pending in Canada

Additional Materials Required

- Pipe Straps
- Glass Fiber Cloth Tape, Drexan FG Tape or equivalent

Equipment Required

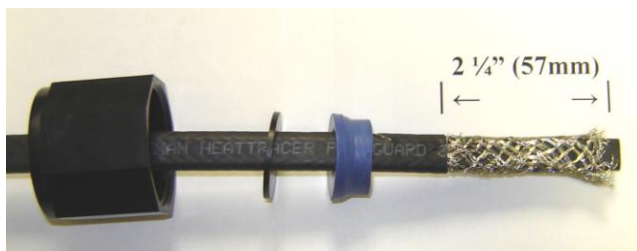
The following equipment will be needed for this assembly:

- Utility Knife
- Wire Cutter
- Multi Head Screw Driver
- Pipe Wrench

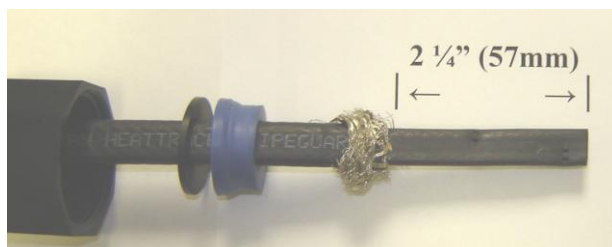
Assembly Instruction Details

Heating Cable Side

1. Allow approximately 2' (60 cm) of heating cable for installation from the pipe.
2. Mount the PowerPod™ housing to the desired location.
3. Disassemble and slide the compression nut, retaining washer and grommet onto the cable approximately 12" (30cm) from the end of the cable.
4. Cut the heating cable straight across.
5. Strip 2 1/4" (57mm) of the outer cable jacket from the heating cable taking care not to cut the ground braid.



6. Roll the ground braid back over the heating cable outer jacket.



7. Ensure the screws are loosened on the contact terminals so the cable will pass under the cutting teeth of the contact terminal.
8. Push the heating cable into the desired location of the PowerPod™ until the cable contacts the end of the channel.
9. Position the grommet in the housing ensuring that the heater braid is compressed between the grommet and the ground guide in the PowerPod™.
10. Tighten the ground screw to engage the ground spring to the cable braid and secure the heating cable to the power connection kit with the compression nut.
11. Make the electrical connection with the heating cable bus wires by tightening the contact terminal screws until the contact terminal bottoms out. Note: the lid cannot be properly closed until the screws on the contact terminal are tightened and the electrical connection is made.
12. Repeat as required for the other side if a heater to heater splice is required.

Power Cable Side

Cab tie insulated power cable method or conduit method.

Note: If using conduit eliminate step 1 & 2.

1. Slide Compression nut, retaining washer and power cable grommet (round hole) onto the power cable.
2. Strip back 2 ¾" (70mm) of power cable jacket.
3. Place striped conductor under contact terminals as shown in the photo and tighten contact screws. Be sure to connect the ground to the ground screw.



4. Attach lid and tighten down all six screws until there is no visible gap, ensuring an environmental seal.

Note: If using NMW – 10 AWG Outdoor Cable

1. on the power side remove and discard the nut, washer and grommet.
2. on the GG2 remove the ground spring and reinstall the ground screw.
3. provide the appropriate ¾" T & B strain relief for the power cable.
4. insert the cable so that the ground wire passes over (not through) the GG2.
5. make electrical connections as required.