

# NELSON™ HEAT TRACING SYSTEMS

## PLT-LP POWER CONNECTION KIT WITHOUT ENCLOSURE

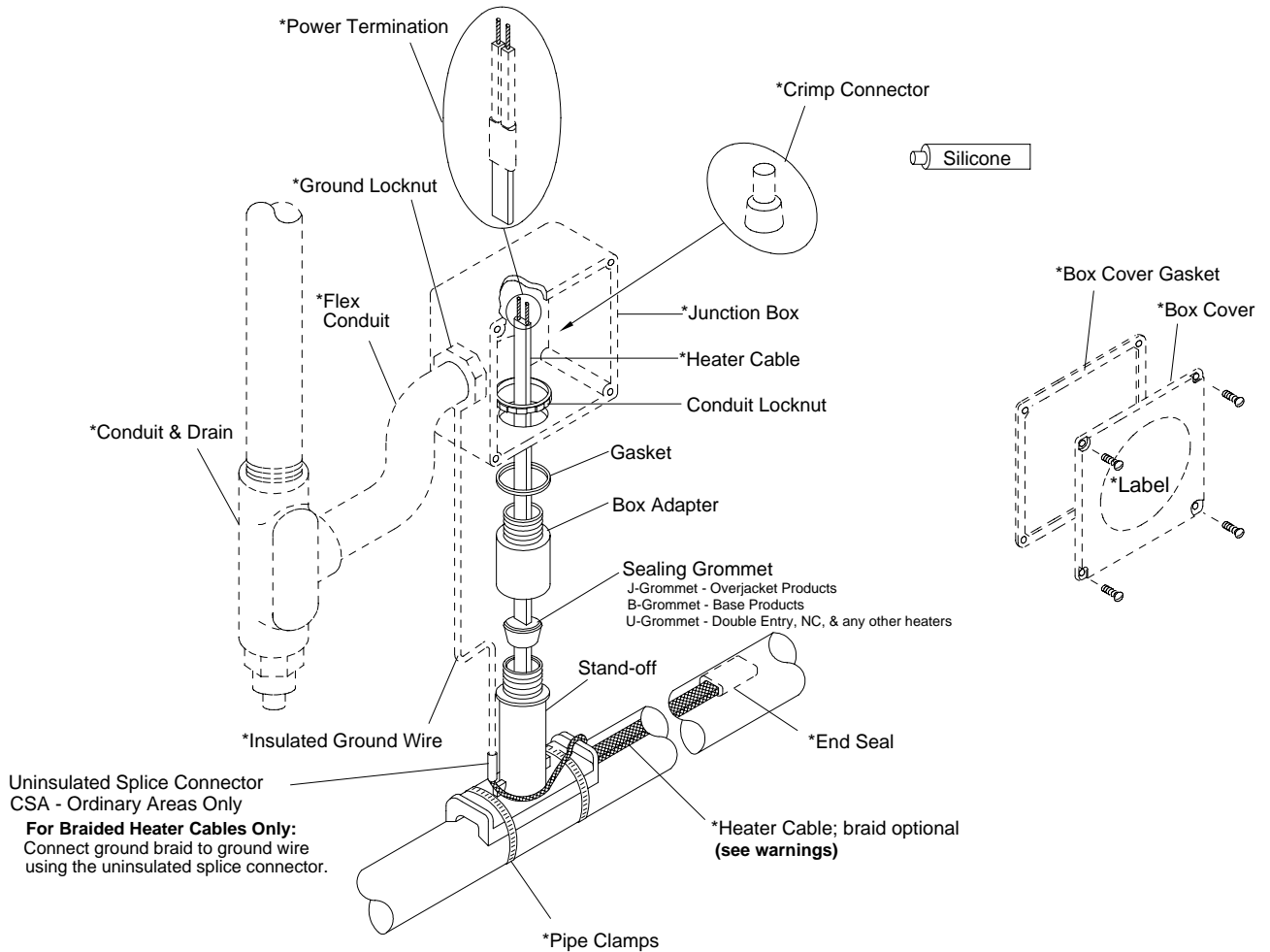
## INSTALLATION INSTRUCTIONS

### Description:

The PLT-LP Power Connection Kit without Enclosure is for use with all versions of Nelson Heat Tracing Systems' LT, CLT, HLT and NC heater cables. Compatible for use with any vendor's heater cables smaller than 11mm (0.44") dia.

### Kit Contents:

1 Conduit Locknut	1 Box Adapter
1 Sealing Grommet	1 Gasket
1 Stand-off	1 Uninsulated Splice Connector
1 Tube of Silicone	



**\*ITEMS NOT INCLUDED IN KIT**  
(customer supplied junction box must be approved for this application.)

**Note:** This detail shows external grounding of braid. For internal grounding of braid overjacket products, connect to ground inside of junction box.

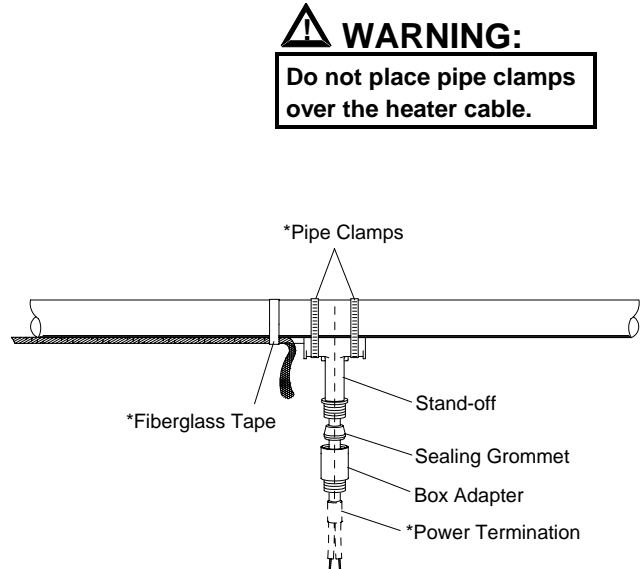
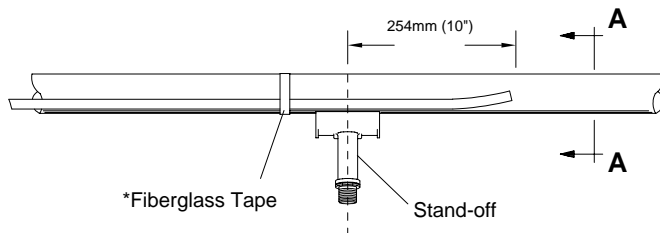
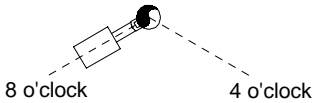
### **⚠** WARNINGS:

- Canadian Div. 2 Hazardous installations must use internal ground connection of braid.
- Article 427 of the National Electric Code requires that all heaters shall have metal coverings and be provided with branch circuit ground-fault protection.
- If nuisance tripping of ground fault breakers occurs due to condensation in the junction box, electrical connections should be moisture proofed by use of a coating or sealant.

## STAND-OFF POSITIONING

### Section View A A

(recommend installing at the  
4 or 8 o'clock positions.)



### \*ITEMS NOT INCLUDED IN KIT

1. Mark pipe where stand-off will be mounted.
2. **For External Braid Connection - CB Products only:**
  - Remove braid from heater cables, back to the point the cables leave the pipe.
  - Proceed to step 3 below.

**For Internal Braid Connection - CB, J or JT Products:**

  - Proceed to step 3 below.
3. Push heater cable through the bottom opening of stand-off.
4. Place stand-off on the pipe and fasten with pipe clamps (not included in kit).
5. Slide the sealing grommet over the heater cable and position inside stand-off opening.
6. Apply silicone around the heater cable on top of the sealing grommet and fill any voids in sealing grommet.
7. Slide the box adapter over the heater cable and tighten securely to stand-off.
8. Prepare heater cable for power termination using an approved termination kit.

Nelson Heat Tracing Systems products are supplied with a limited warranty. Complete Terms and Conditions may be found on Nelson's website at [www.nelsonheaters.com](http://www.nelsonheaters.com).