

NELSON™ DOMESTIC HOT WATER TEMPERATURE MAINTENANCE SYSTEM

ACCESSORIES SELECTION GUIDE

Nelson's PLT Series connection kits and accessories is Underwriter's Laboratory approved for use in domestic hot water supplemental heating systems when used with approved Nelson heating cables. The PLT-LP and PLT-LPS connection kits allow maximum versatility to the installer by interfacing with commonly used electrical and/or construction materials.



PLT-LP Connection Kit:

The PLT-LP Connection Kit is suitable for connecting up to two heating cables to customer supplied power wiring or as an in-line splice configuration utilizing a customer supplied junction box.¹ Refer to the selection table for the proper specifying of the complete kit assembly. (Example: PLT-LP-J).

Kit Contents:

- 1 Universal Base, Box Adapter, Sealing Gasket and Locknut
- 1 Sealing Grommet



PLT-LPS Connection Kit:

The PLT-LPS Connection Kit is suitable for connecting up to two heating cables to customer supplied power wiring or as an in-line splice configuration utilizing a customer supplied junction box.¹ This kit differs from the PLT-LP in that it also contains shrink tube cable terminations. Refer to the selection table for the proper specifying of the complete kit assembly. (Example: PLT-LPS-J).

Kit Contents:

- 1 Universal Base, Box Adapter, Sealing Gasket and Locknut
- 1 Sealing Grommet
- 1 Power Termination and Cable End Seal
- 1 Ground Connection Splice
- * Selection of -U grommet includes (1) additional power termination and (1) additional end seal for multiple cable entry.

Heat Shrinkable Terminations:

LT-SP

Heat-Shrinkable Power End Termination Kit. Used for terminating field-fabricated heater cables inside the power connection box. Each kit makes 5 complete terminations.

LT-SE

Heat-Shrinkable End Seal Termination Kit. Used for terminating the ends of field-fabricated heater cables. Each kit makes 5 complete terminations.

Heat Shrinkable Splices:

LT-SS

Heat-Shrinkable In-Line Splice Connection Kit. Used for splicing 2 cables under the insulation. Each kit makes 5 complete assemblies.

LT-ST

Heat-Shrinkable Tee-Splice Connection Kit. Used for splicing 3 cables under the insulation. Each kit makes 5 complete assemblies.



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Pipe Clamps:

- PC-03 (3.0" Diameter and below)
- PC-12 (3.5" – 12.0" Diameter)
- PC-20 (12.5" – 20.0" Diameter)

Pipe Clamps, stainless steel. Used to attach connection kits to pipe.

Junction Box:

JB552

Non-Metallic Junction Box, 5" x 5" x 2", NEMA 4X. Used for terminating field fabricated heating cables. Suitable for use with PLT-LP and PLT-LPS connection kits.

Tape:

- GT-60 (60 Yards)
- GT-6 (20 Yards)

Fiberglass Tape, 0.5" wide. Used to attach heater cables to pipe or to attach temperature sensors to the pipe when corrosive conditions prevent the use of aluminum tape.

Warning Sign:

WS-100

Weatherproof Warning Sign. Used for cautioning maintenance personnel of the presence of electric heat tracing cable under the insulation. Attached to the outside of pipe insulation in frequent intervals. Black Lettering with Yellow background.

Nelson's PLT Series non-metallic connection kits include all components necessary to complete the installation of Nelson's full line of heat tracing cables. The selection table below allows for the proper specifying of the complete connection kit assembly (example: PLT-LP-J).

PLT -

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¹Suitable for use with any approved industrial enclosure with a maximum wall thickness of .1875" or any conduit body, outlet box or junction box with .75" threaded entries.

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.

