

End Termination Kits

For WinterSafe, WinterSafe Plus, AutoWatt Xtra, PermaWatt and VersaTrace heating cables

- ◆ *Low cost, standard, pre-packaged, off-the-shelf kits*
- ◆ *One kit contains all of the necessary components to terminate one heating circuit*
- ◆ *Easy to use, quick and simple to install*
- ◆ *Supplied complete with step-by-step, easy to understand instructions*

TYPE EKR

For use with all versions of WinterSafe, WinterSafe Plus and AutoWatt Xtra self-regulating heating cables

Applicable cable references are WSR, WSR-C, WSR-CR, WSR-CT, WSP, WSP-C, WSP-CT, AWX, AWX-C and AWX-CT

Kit contents:

One Power End Seal (P/N H 07100)
One Back End Seal (P/N H07110)
One tube of RTV Sealant (P/N H07700)
One set of Terminating Instructions

Kit Ordering Ref **EKR**



TYPE PWE

For use with all versions of PermaWatt constant wattage heating cables

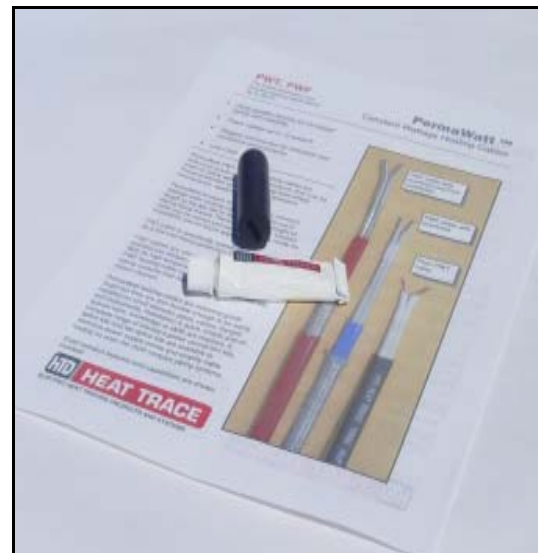
Applicable cable references are PWT, PWT-C, PWF, PWF-C and PWF-CT

Kit contents:

One Back End Seal (P/N H07110)
One tube of RTV Sealant (P/N H 07700)
One set of Terminating Instructions

Note: PermaWatt heating cables do not require a termination seal for the power end of the heating circuit.

Kit Ordering Ref **PWE**



Heating Cable Accessories



End Termination Kits

TYPE VTHP For use with certain versions of VersaTrace, Series Circuitry heating cables.

Applicable cable references are VT 20, VT 20B, VT 20BF, VTN, VTNB, VTNBF.

One kit is required to terminate the power connection end of one heating circuit.

Kit Contents:

- One Metal Power End Cover (P/N H07160)
- One Power End Seal (P/N H07150)
- Two crimps (P/N H07204)
- One tube of RTV Sealant (P/N H07700)
- Three feet of VTCB cold lead cable (P/N VTCB)
- One set of Instructions (ref VTHP Instructions)

Note: To include a custom length of VTCB cold lead cable in this kit, please contact HTD.

Kit Ordering Ref **VTHP**



TYPE VTHE For use with all versions of VersaTrace, Series Circuitry heating cables

Applicable cable references are VT 20, VT 20B, VT 20BF, VTN, VTNB, VTNBF, VTC, VTCB and VTCBF.

One kit is required to terminate the back (non-power end) of one heating circuit.

Kit Contents:

- One Metal Power End Cover (P/N H07160)
- One Back End Seal (P/N H07140)
- One crimp (P/N H07204)
- One tube of RTV Sealant (P/N H07700)
- One set of Instructions (ref VTHE Instructions)

Kit Ordering Ref **VTHE**



ADDITIONAL KITS

Splice Kits, Tee Splice Kits, Power Connection Boxes and End of Circuit Signal Light Kits are also available to complete your system design and requirements. Please contact HTD for full details.



HTD Heat Trace, Incorporated
8 Bartles Corner Road
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Splice Kits

For WinterSafe, WinterSafe Plus, AutoWatt Xtra, PermaWatt and VersaTrace heating cables

Heating Cable Accessories

- ◆ *Low cost, standard, pre-packaged, off-the-shelf kits*
- ◆ *One kit contains all of the necessary components to splice two lengths of heating cable together.*
- ◆ *Easy to use, quick and simple to install*
- ◆ *Supplied complete with step-by-step, easy to understand instructions*

TYPE SK

For use with WinterSafe, WinterSafe Plus, AutoWatt Xtra self-regulating heating cables and PermaWatt constant wattage heating cables

Applicable cable references are WSR, WSR-C, WSR-CR, WSR-CT, WSP, WSP-C, WSP-CT, AWX, AWX-C, AWX-CT, PWT, PWT-C, PWF, PWF-C and PWF-CT

Kit contents:

Two #10-12 uninsulated parallel splice crimps
Two fiberglass insulating sleeves
One #8 uninsulated parallel splice crimp
One roll of self fusing silicone tape
One Splice Caution Label
One set of Instructions



Kit Ordering Ref

SK



ELECTRIC HEAT TRACING PRODUCTS AND SYSTEMS

Splice Kits

TYPE VTHS For use with all versions of VersaTrace, Series Circuitry heating cables.

Applicable cable references are VT 20, VT 20B, VT 20BF, VTN, VTNB, VTNBF, VTC, VTCB and VTCBF

One kit is required to splice two lengths of heating cable together.

Kit Contents;

- One Metal Splice Cover (P/N H07160)
- One Splice (P/N H07150)
- Two stainless steel crimps (P/N H07204)
- One tube of RTV Sealant (P/N H07700)
- One Caution Label (ref Splice Label)
- One set of Instructions (ref VTHS Instructions)



Kit Ordering Ref **VTHS**

ADDITIONAL KITS End Termination Kits, Tee Splice Kits, Power Connection Boxes and End of Circuit Signal Light Kits are also available to complete your system design and requirements. Please contact HTD for full details.



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Tee Splice Kits

For WinterSafe, WinterSafe Plus, AutoWatt Xtra, PermaWatt and VersaTrace heating cables

Heating Cable Accessories

- ◆ *Low cost, standard, pre-packaged, off-the-shelf kits*
- ◆ *Contains all of the necessary components to splice three lengths of heating cable together to make one tee splice*
- ◆ *Easy to use, quick and simple to install*
- ◆ *Supplied complete with step by step, easy to understand instructions*

TYPE TK

For use with WinterSafe, WinterSafe Plus, AutoWatt Xtra self-regulating heating cables and PermaWatt constant wattage heating cables.

Applicable cable references are WSR, WSR-C, WSR-CR, WSR-CT, WSP, WSP-C, WSP-CT, AWX, AWX-C, AWX-CT, PWT, PWT-C, PWF, PWF-C and PWF-CT

Kit contents:

Two #10-12 uninsulated parallel splice crimps
Two fiberglass insulating sleeves
One # 8 uninsulated parallel splice crimp
One roll of self fusing silicone tape
One Back End Seal (P/N H07110)
One tube of RTV Sealant (P/N H 07700)
One Tee Splice Caution Label
One set of Instructions

Kit Ordering Ref **TK**



Tee Splice Kits

TYPE VTHT For use with all versions of VersaTrace, Series Circuitry Heating Cables.

Applicable cable references are VT 20, VT 20B, VT 20BF, VTN, VTNB, VTNBF, VTC, VTCB and VTCBF

One kit is required to make one tee splice in one heating circuit.

Kit Contents:

- One metal Tee Splice Cover (P/N 68004500)
- One rubber Tee Splice Boot (P/N 68004300)
- Two stainless steel crimps (P/N H07204)
- One tube of RTV Sealant (P/N H07700)
- One Caution Label (ref Tee Splice Label)
- One set of Instructions (ref VTHT Instructions)



Kit Ordering Ref VTHT

ADDITIONAL KITS End Termination Kits, Splice Kits, Power Connection Boxes and End of Circuit Signal Light Kits are also available to complete your system design and requirements. Please contact HTD for full details.



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Connection Box Kits

For WinterSafe, WinterSafe Plus, AutoWatt Xtra PermaWatt and VersaTrace heating cables

Heating Cable Accessories

- ◆ *Industrial grade, corrosion resistant, polymer and metal junction boxes complete with mounting hardware*
- ◆ *Convenient, direct attachment to the piping*
- ◆ *Designed to route heating cables safely through the pipe insulation*
- ◆ *Ideal for all indoor and outdoor applications in both hazardous and unclassified areas*

TYPE PBK

Specifically designed to provide a low cost, convenient termination and power connection system for all versions of WinterSafe, WinterSafe Plus, AutoWatt Xtra and PermaWatt heating cables.

Applicable cable references are WSR, WSR-C, WSR-CR, WSR-CT, WSP*, WSP-C*, WSP-CT*, AWX*, AWX-C*, AWX-CT*, PWT, PWT-C, PWF*, PWF-C* and PWF-CT*.

*with these cables, the use of the PBK Kit is limited to applications that involve a Maximum Exposure Temperature less than 290°F.

Kit contents:

One, 4½ by 3 inch, NEMA 4X enclosure
One Mounting Base Assembly Unit
One lock nut and sealing washer
Two sealing grommets
Wire tie wrap
One set of Instructions (ref PBK)

Kit Ordering Reference **PBK**

(One hose clamp is required to attach the PBK box to the pipe. This item is not supplied as part of the kit)



RATING AND APPROVALS

NEMA 4X
Class I, Div 2, Groups B, C & D
Class II, Div 2, Groups F & G
Class III



Connection Box Kits

With Terminal Blocks

TYPE PBK-TB Specifically designed with factory installed terminal blocks to provide a convenient termination and power connection system for all versions of WinterSafe, WinterSafe Plus, AutoWatt Xtra and PermaWatt heating cables.

Applicable cable references are WSR, WSR-C, WSR-CR, WSR-CT, WSP*, WSP-C*, WSP-CT*, AWX*, AWX-C*, AWX-CT*, PWT, PWT-C, PWF*, PWF-C* and PWF-CT*.

*with these cables, the use of the PBK-TB Kit is limited to applications that involve a Maximum Exposure Temperature less than 290°F.

Kit contents:

- One, 4¾ by 4¾ inch, ExE II T6 rated enclosure
- One Mounting Base Assembly Unit
- One lock nut and sealing washer
- Two sealing grommets
- Wire tie wrap
- One set of Instructions (ref PBK-TB)

Kit Ordering Reference **PBK-TB**

(One hose clamp is required to attach the PBK box to the pipe. This item is not supplied as part of the kit)



RATING AND APPROVALS

Class I, Zone 1, AExe II T6, ExE II T6



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Connection Box Kits

With Terminal Blocks

TYPE VTBK For use with all versions of VersaTrace Series Circuitry heating cables as either a :-

Power Connection Box for up to three heating circuits,
A Splice Connection Box
A Tee Splice Connection Box, or
An End Termination Box

Applicable cable references are VT 20, VT 20B, VT 20BF, VTN, VTNB, VTNBF, VTC, VTCB and VTCBF

Kit Contents:

One NEMA 4X Enclosure with factory wired terminal blocks (see below)
One Pipe Mounting Bracket,
Heating cable Entry Conduits (as req'd)

Kit Ordering Refs - *Fiberglass Enclosures only*

F-VTBK-P (1, 2 or 3) Power Connection Box. Specify P1, P2 or P3 to identify the number of heating circuits to be connected within the box.

F-VTBK-S Splice Connection Box

F-VTBK-T Tee Splice Connection Box

F-VTBK-E End Connection Box

Kit Ordering Refs - *Aluminum Enclosures only*

A-VTBK-P (1, 2 or 3) Power Connection Box. Specify P1, P2 or P3 to identify the number of heating circuits to be connected within the box.

A-VTBK-S Splice Connection Box

A-VTBK-T Tee Splice Connection Box

A-VTBK-E End Connection Box

(Two hose clamps are required to attach the VTBK assemble to the pipe. Hose clamps are not supplied with the above kits).



Example shown is a Splice Connection Box using the NEMA 4X fiberglass style of enclosure

Order ref F-VTBK-S



Example shown is a Power Connection Box for one heating circuit, using the optional NEMA 4X aluminum enclosure.

Order ref A-VTBK-P1.

ADDITIONAL KITS An alternate range of low profile termination kits is also available for installation under the pipe insulation. This range also includes End Termination Kits, Splice Kits and Tee Splice Kits. Please contact HTD for details.

Signal Light

For WinterSafe, WinterSafe Plus, AutoWatt Xtra and PermaWatt heating cables

- ◆ *Industrial grade, corrosion-resistant, polymer junction box with pipe mounting hardware*
- ◆ *Direct, convenient attachment to the piping. Provides protected heating cable route through thermal insulation*

Heating Cable Accessories

- ◆ *Can be used at either end of the heating cable circuit to provide visual indication of voltage*
- ◆ *Ideal for all indoor and outdoor applications in both hazardous and unclassified areas*

TYPE PBK-SL

Specifically designed to provide visual indication and monitoring of voltage to all versions of WinterSafe, WinterSafe Plus, AutoWatt Xtra and PermaWatt heating cables. The Signal Light can be positioned at either end of the heating circuit.

Applicable cable references are WSR, WSR-C, WSR-CR, WSR-CT, WSP*, WSP-C*, WSP-CT*, AWX*, AWX-C*, AWX-CT*, PWT, PWT-C, PWF*, PWF-C* and PWF-CT*.

*with these cables, the use of the PBK-SL Signal Light Kit is limited to applications that involve a Maximum Exposure Temperature less than 290°F.

Kit contents:

One, 4½ by 3 inch, NEMA 4X enclosure
One Mounting Base Assembly Unit
One 30mm Red Pilot Light
One lock nut and sealing washer
Two sealing grommets
Wire tie wrap
One set of Instructions (ref PBK-SL)

Kit Ordering Reference **PBK-SL** (1 or 2)
(specify 1 for 120 vac or 2 for 240 vac)

(One hose clamp is required to attach the PBK box to the pipe. This item is not supplied as part of the kit)

RATING AND APPROVALS

NEMA 4X
Class I, Div 2, Groups B, C & D
Class II, Div 2, Groups F & G
Class III,



Fixing / Tying Tapes

For WinterSafe, WinterSafe Plus, AutoWatt Xtra, PermaWatt and VersaTrace heating cables

Heating Cable Accessories

- ◆ *Low cost, standard fixing tapes to permanently attach heating cables to pipes based upon application temperature*
- ◆ *Heat transfer tape for plastic piping and heat sensitive applications*

TYPE
VTFGT

Adhesive backed, fiberglass tape.

For use on all applications up to a maximum temperature of 350°F, with WinterSafe, WinterSafe Plus, AutoWatt Xtra, PermaWatt and VersaTrace heating cables

½ inch wide by 180 ft rolls. (P/N H07600)

Order reference **VTFGT**



TYPE
PGT

Non Adhesive, woven fiberglass tape.

For use on all applications up to a maximum temperature of 850°F

Recommended for the installation of all flexible type heaters used as part of an HB Hopper Heating Module System

½ inch wide by 60 ft rolls. (P/N H07607)

Order reference **PGT**



TYPE
IAAT3

Adhesive backed, aluminum heat transfer tape, with "peel off" protective liner.

For use on all applications up to a maximum temperature of 200°F, with WinterSafe, WinterSafe Plus, AutoWatt Xtra, PermaWatt and VersaTrace heating cables.

Recommended for use on all plastic pipe and tank heating applications.

Also recommended for sealing heating panel edges to tank surfaces on all Eagle and SilcoPad tank heating applications.

3 inch wide by 180 ft rolls. (P/N H01029)

Order reference **IAAT3**



Signal Light

For WinterSafe, WinterSafe Plus, AutoWatt Xtra and PermaWatt heating cables

Heating Cable Accessories

- ◆ *Industrial grade, corrosion-resistant, polymer junction box with pipe mounting hardware*
- ◆ *Direct, convenient attachment to the piping. Provides protected heating cable route through thermal insulation*
- ◆ *Can be used at either end of the heating cable circuit to provide visual indication of voltage*
- ◆ *Ideal for all indoor and outdoor applications in both hazardous and unclassified areas*

TYPE PBK-SL

Specifically designed to provide visual indication and monitoring of voltage to all versions of WinterSafe, WinterSafe Plus, AutoWatt Xtra and PermaWatt heating cables. The Signal Light can be positioned at either end of the heating circuit.

Applicable cable references are WSR, WSR-C, WSR-CR, WSR-CT, WSP*, WSP-C*, WSP-CT*, AWX*, AWX-C*, AWX-CT*, PWT, PWT-C, PWF*, PWF-C* and PWF-CT*.

*with these cables, the use of the PBK-SL Signal Light Kit is limited to applications that involve a Maximum Exposure Temperature less than 290°F.

Kit contents:

- One, 4½ by 3 inch, NEMA 4X enclosure
- One Mounting Base Assembly Unit
- One 30mm Red Pilot Light
- One lock nut and sealing washer
- Two sealing grommets
- Wire tie wrap
- One set of Instructions (ref PBK-SL)

Kit Ordering Reference **PBK-SL** (1 or 2)
(specify 1 for 120 vac or 2 for 240 vac)

(One hose clamp is required to attach the PBK box to the pipe. This item is not supplied as part of the kit)

RATING AND

APPROVALS

NEMA 4X

Class I, Div 2, Groups B, C & D
Class II, Div 2, Groups F & G
Class III,



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