

Therma-Link



**PRE-TERMINATED,
INTER-LINKABLE
SELF-REGULATING
HEATING CABLE SYSTEM**

TLX

For freeze protection of metal and plastic pipes and piping systems.



Therma-LinX

INTRODUCTION

Self-regulating heating cables were first introduced in the early 1970s. For the last 30 years, self-regulating technology has advanced to the point where this style of heating cable is commonly recognized worldwide as one of the safest and most reliable forms of heating cable. Self-regulating cables will not overheat or burn out even when operated without any form of temperature control.

Field installation of all forms of self-regulating heating cable requires the use of end seals and termination kits and the inherent safety built into the design of the cable is lost unless all terminations are completed properly.

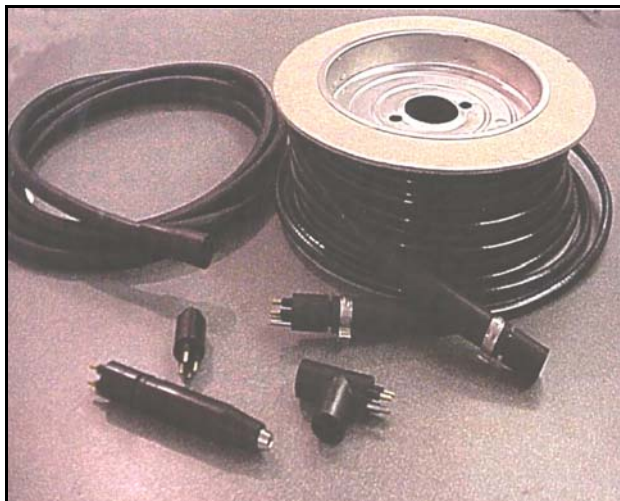
Therma-LinX is not just another self-regulating heating cable ***IT IS A COMPLETE SELF-REGULATING SYSTEM***

The Therma-LinX product and system combines self-regulating cable technology with factory made, pressure sealed, end, splice and tee terminations that can be plugged together in seconds to form a heating circuit that is 100% waterproof throughout its entire length.

The need, expense and uncertainty of field made terminations is eliminated. The system is simple to design, simple to use, simple to install and, whenever necessary, simple to change. Most importantly, the safety and reliability of the entire system no longer depends upon the skill and integrity of the installer.

Therma-LinX has taken self-regulating heating cable to a whole new level in technology, simplicity and reliability.

THE THERMA-LINX SYSTEM



The Therma-LinX system consists of the following components:

- Therma-LinX heating cable with male and female end connections.
- Power Cord with a female connection
- End Cap with a male connection
- Tee Splice connector with one male and two female connections
- LED Light Stick with a male connection

Even the most complex piping systems can be quickly and easily freeze protected using one or more lengths of Therma-LinX and a combination of the unique "plug in" connectors shown in the opposite photograph.

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FACTORY MADE TERMINATIONS

The key design feature that makes Therma-LinX different from all other types of self-regulating heating cable is that Therma-LinX is supplied with **factory-made terminations**

These rugged terminations are marine grade plug-and-socket style connectors that can be joined together in seconds to provide **completely watertight connections throughout the entire heating circuit**

Factory-made terminations assembled under precisely controlled manufacturing conditions are much safer and more reliable than any termination that has to be made at the job site. **They are also less costly !**

The Therma-LinX system arrives at site ready for immediate installation.

Therma-LinX is also an ideal inventory item and a small stock of cable lengths and components can be held to address the inevitable emergency freeze protection needs that seem to arise every winter.



Male end of heating cable



Tee Splice connection

MODULAR LENGTH DESIGN

Therma-LinX is manufactured in five modular, inter-linkable lengths of 5, 10, 20, 50 and 100 feet. Therma-LinX cables can be used individually as one heating circuit or they can be joined together in any combination of lengths to match the design of a complex piping system that includes valves, instruments and branch lines.

Therma-LinX heating cables can be overlapped without fear of hot spots or overheating and they can be straight traced or spiral wrapped to ensure uniform coverage on any given length of pipe.

Additionally, each modular length of Therma-LinX cable is offered with a power rating of 5, 8 or 10 watts per foot, such that each different size of pipe within the piping system can be traced with the correct level of power to meet its individual freeze protection needs.

TLX

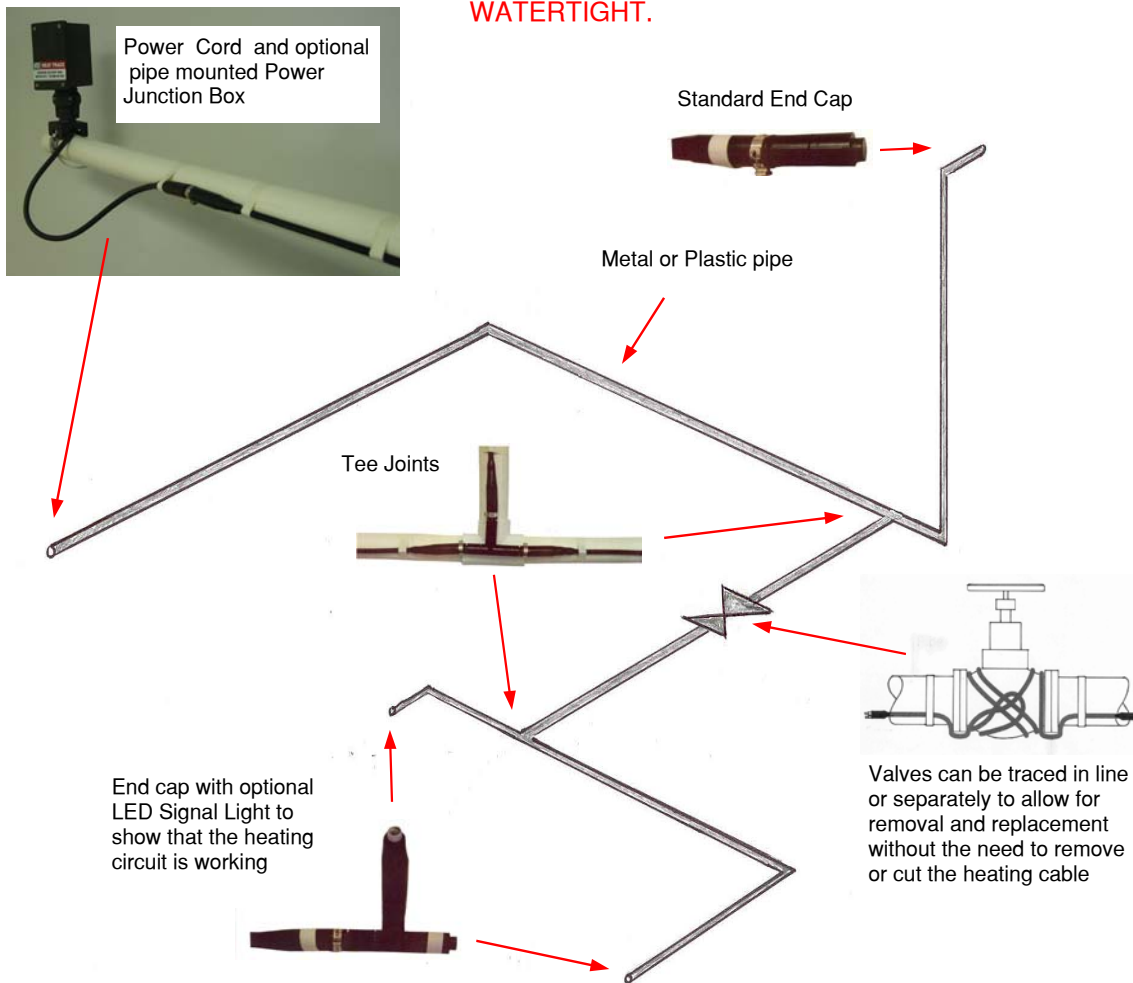
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**SIMPLE, USER FRIENDLY,
LOW COST INSTALLATION**

The design of a Therma-LinX heating cable system is extremely simple. Just match each individual run of pipe within the piping system with one or more modular lengths of heating cable and join each section of the heating circuit together using the appropriate "plug in" connection component.

ALL ITEMS ARE INTER-LINKABLE AND COMPLETELY WATERTIGHT.



Therma-LinX heating cable is also manufactured with a unique round shape that is flexible through 360°. Unlike conventional flat self regulating heating cables, Therma-LinX is quickly and easily installed on irregularly shaped objects such as elbows, valves and instruments.

THERMA-LINX IS THE MOST PRACTICAL AND ADAPTABLE SOLUTION FOR THE FREEZE PROTECTION OF INDUSTRIAL PIPES AND PIPING SYSTEMS.

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PRODUCT SPECIFICATIONS

Product family	Therma-LinX
Product type	Inter-linkable, self-regulating heating cable system
Maximum operating temperature	150°F (65°C)
Primary application	Freeze protection of metal and plastic pipes and piping systems
Power ratings	5, 8 or 10 w/ft (16, 26 or 33 w/m)
Voltage	120 vac
Approvals	Underwriters Laboratories listed in the USA and Canada for use in unclassified areas

PRODUCT RANGE AND ORDER REFERENCES

Heating cable lengths

5 ft heating cable	TLX 5
10 ft heating cable	TLX 10
20 ft heating cable	TLX 20
50 ft heating cable	TLX 50
100 ft heating cable	TLX 100

Power ratings

5 w/ft	Add 5 to heating cable reference
8 w/ft	Add 8 to heating cable reference
10 w/ft	Add 10 to heating cable reference
	<i>(example - a 10 ft heating cable at 8 w/ft is TLX 10 - 8)</i>

Inter-linking System Components

10 AWG Power Cord	PC 10
12 AWG Power Cord	PC 12
14 AWG Power Cord	PC 14
End Cap	EC 1
Tee Splice Connector	TSC 1
LED Light Stick	LS 1

MAXIMUM HEATING CIRCUIT LENGTH (ft) ON STANDARD CIRCUIT BREAKER SIZES

(The 2002 National Electric Code section 427-22 requires the use of a ground-fault breaker with this and other styles of heating cable)

SWITCH ON TEMP (°F)	5 WATTS / FT			8 WATTS / FT			10 WATTS / FT		
	15A	20A	30A	15A	20A	30A	15A	20A	30A
-40	100	135	205	65	85	130	40	55	80
-20	130	175	220	75	105	150	50	65	100
0	150	190	235	85	115	170	60	80	120
20	170	210	250	100	130	200	75	100	150
40	200	235	270	135	180	210	105	140	180

For further information on the revolutionary Therma-LinX self-regulating heating cable system, please contact HTD.



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