

# Make the Easy Connection

Freeze Protection with Thermon **Heat Tracing**



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[www.thermon.com](http://www.thermon.com)



The Heat Tracing Specialists®

# Make the Easy Connection



## A Perfect Match

### FLX Application: Freeze Protection and Temperature Maintenance

FLX self-regulating heating cables are designed to provide freeze protection and temperature maintenance to metallic and non-metallic pipes, tanks and equipment. FLX heating cables are rated for heat outputs of 10, 16, 26 and 33 watts/meter at 10°C when powered at 230 Vac. FLX is a proven, simple, practical solution for both metal and plastic pipes.

### Rugged and Reliable

FLX self-regulating cables are protected by a tinned copper braid and a polyolefin outer jacket to provide grounding and additional mechanical protection for the cable. An optional fluoropolymer outer jacket is available if additional environmental protection is required. Heat tracing users expect quality products and services from a reputable manufacturer. Thermon exceeds these expectations by operating under the ISO 9001 standard for quality.

### Easy to Design

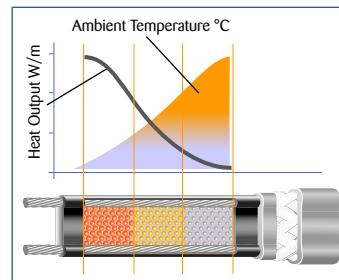
Whether the application is a small project or a complex network of piping and equipment, designing an electric heat traced freeze protection system is easy with Thermon self-regulating cables. A simple cable selection chart based on pipe size confirms product application. With parallel circuitry, self-regulating cables do not require piping dimensions and can be cut to length in the field. Heat tracing circuits for field-routed piping can be quickly and easily designed on site.

### Easy to Install

FLX is installed directly on metallic or nonmetallic piping under conventional thermal insulation with ordinary hand tools. Kits for power connection, end termination and splicing, plus other accessories, are designed for quick and easy installation. Simply pull FLX from the supply reel, install directly on the pipe and complete circuit fabrication. Tee splices may be installed anywhere along the circuit to match the layout of the piping.

### Self-Regulating Heat Output

The self-regulating heat output of the cables varies in response to the surrounding temperature. Variations in the ambient temperature are automatically compensated for along the entire length of a heat traced pipe.



## Freeze Protection With Thermon Heat Tracing

### Easy Connect System

Based on proven technology, Thermon's Easy Connect System is safe and reliable. It's modular design provides quick installation and ease of maintenance. The modular components also provide flexibility when a heat traced circuit changes. Quick, simple and adaptable, the Easy Connect System reduces down time of heat traced equipment.

### Connectors

Compatible with all Thermon FLX cable types, the Easy Connect System connectors have integral strain relief and are available with spring or screw connection technology. Available customized junction boxes with pre-wired connectors allow heat tracing or power cables to be plugged in on-site and integrated into the installation.

### EC-TCE1 Electronic Thermostat

Self-regulating heating cables can, under many design conditions, be operated without the use of any temperature control; however, some method is generally used for freeze protection. Thermon offers a wide range of controllers from simple on/off mechanical thermostats for freeze protection to versatile electronic controllers for more demanding applications. All Thermon thermostats are provided in weatherproof housing, for pipe or wall mounting and are "plug and play" ready for use in combination with the E-Connectors

### TraceSelect

This user friendly calculation program is designed to help you to make quick product selections. It also instantly generates a bill of material of all components you need for your application, based on the piping information you enter into the program. The bill of material generated can be used for your own quotation to your customer or can be sent by email or fax to order your materials.



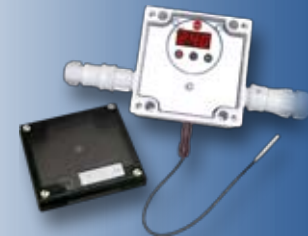
ECF Connector



ECM Connector



ECS Connector



EC-TCE1 Electronic Thermostat



Customized Junction Box (Optional)

