FLX™
Self-Regulating Heating Cable

Product Specifications

Application: Freeze Protection

FLX self-regulating heating cables are designed to provide freeze protection and temperature maintenance to metallic and nonmetallic 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 . . .

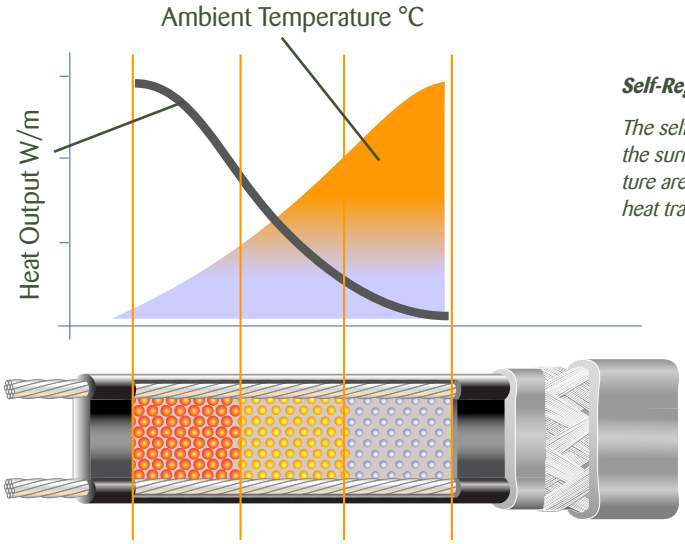
Whether the application is a small project or a complex network of piping and equipment, designing an electric heat traced freeze protection system is easy with Thermon self-regulating cables. A simple cable selection chart based on pipe size confirms product application; see selection guide for details.

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.

www.heattracing.co.uk
Thorne and Derrick UK
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ISO 9001 REGISTERED

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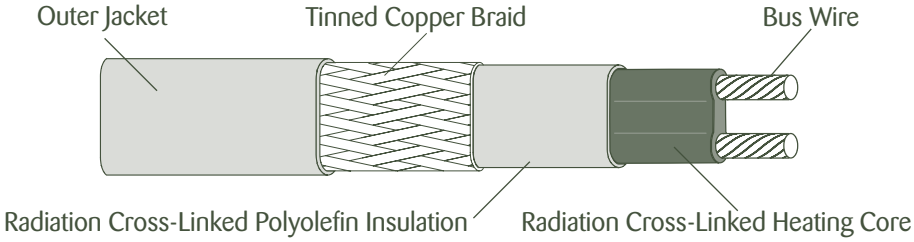
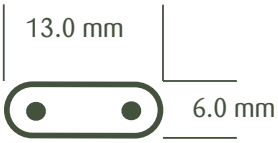
Characteristics . . .

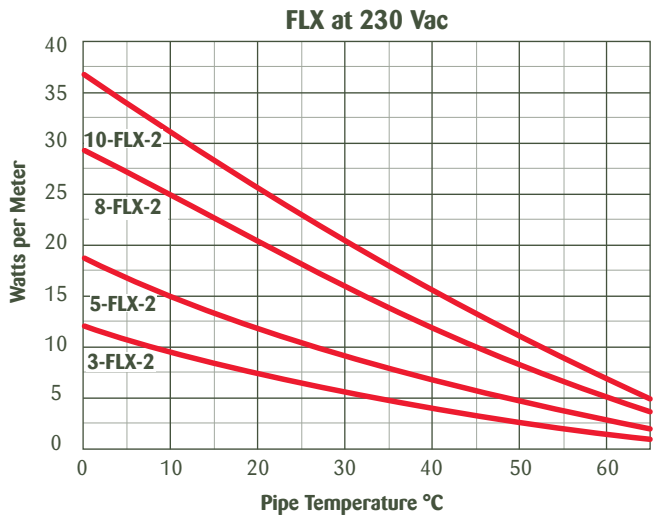


Nominal Outside Dimension . . .



Bus wire ..... 1,3 mm nickel-plated copper
Metallic braid ..... tinned copper
Outer jacket ..... -OJ, polyolefin; -FOJ, fluoropolymer
Minimum bend radius
@ -15°C ..... 10 mm
@ -60°C ..... 32 mm
Supply voltage ..... 230 Vac
Circuit protection ..... 30 mA ground-fault protection required
Maximum continuous exposure temperature ..... power-on: 65°C; power-off: 85°C

Power Output Curves . . .



Circuit Breaker Sizing and Type . . .

230 Vac Service Voltage			Max. Circuit Length vs. Breaker Size Meters (B and C-Type Breakers)		
Product Type	Power Output at 10°C W/m	Start-Up Temp. °C	16A	25A	32A
3-FLX-2	9	10	191	226	226
		0	191	226	226
		-20	156	226	226
5-FLX-2	15	10	117	184	184
		0	117	184	184
		-20	98	153	184
8-FLX-2	25	10	93	146	146
		0	93	146	146
		-20	74	116	146
10-FLX-2	32	10	67	105	120
		0	58	91	117
		-20	45	71	91

Certifications/Approvals . . .

DVE No. 2043400

CE

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