O.E.M. HEATERS

FLV CE 0518

Electrical heating tape for frost protection or temperature maintenance of pipework and vessels.

FREEZSTOP
Low Voltage
Self-Regulating Heating Tape

- *Automatically adjusts heat output in response to increasing or decreasing pipe temperature*
- *Can be cut to length with no wastage*
- *Will not overheat or burnout, even when overlapped*
- *Full range of controls and accessories*
- *Available for 22/24VAC, and 11/12VAC*
- *Available in outputs 12W/m; 17W/m & 30W/m*

FEATURES

Freezstop Low Voltage is a light industrial/commercial grade self-regulating heating tape that can be used for freeze protection or temperature maintenance of pipework and vessels in the construction and refrigeration industries.

It can be cut-to-length at site and exact piping lengths can be matched without any complicated design considerations.

Its self-regulating characteristics improve safety and reliability. Freezstop Low Voltage will not overheat or burnout, even when overlapped upon itself. Its power output is self-regulated in response to the pipe temperature.

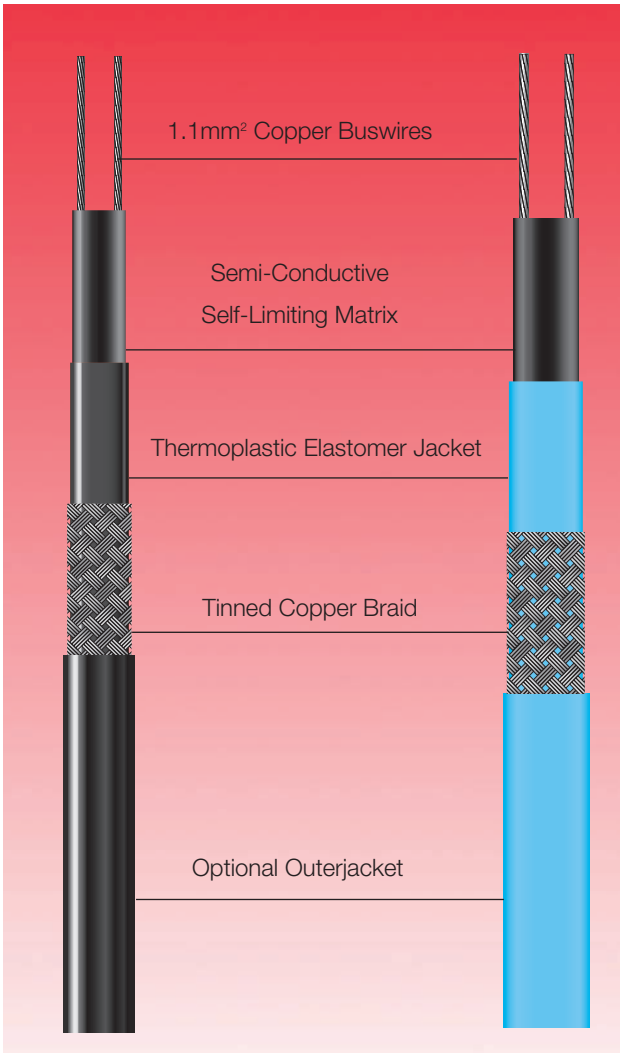
The installation of Freezstop Low Voltage is quick and simple and requires no special skills or tools. Termination, splicing and power connection components are all provided in convenient kits.

OPTIONS

FLV .. C	Tinned copper braid providing mechanical protection or where traced equipment does not provide an effective earth path. eg. plastic pipework.
FLV .. CT	Thermoplastic overjacket over tinned copper braid provides additional protection.
FLV .. CF	Fluoropolymer overjacket over tinned copper braid provides protection where corrosive chemical solutions or vapours may be present.

NOTE

30FLV is generally for use with specialist applications only. For detailed information on 30 FLV please contact **O.E.M. Heaters.**



12/17FLV 30FLV

SPECIFICATION

MAXIMUM TEMPERATURE	85°C (185°F)
MAX. PERMISSIBLE TEMPERATURE de-energised (1000 hrs cumulative)	85°C (185°F)
MINIMUM INSTALLATION TEMPERATURE	–30°C (–22°F)
POWER SUPPLY	22 – 24VAC (11 – 12 VAC on demand)
MAXIMUM RESISTANCE OF PROTECTIVE BRAIDING	18.2 Ohm/km

WEIGHTS AND DIMENSIONS (12 & 17FLV only)

Type Ref	Nominal Dimensions (mm)	Weight kg/100m	Min. Bending radius @-20°C	Gland Size
FLV	8.5 x 3.9	5	25mm	M20
FLV .. C	9.3 x 4.7	11	30mm	M20
FLV .. CT	10.5 x 5.9	10	35mm	M20
FLV .. CF	10.5 x 5.9	11	35mm	M20

ORDERING INFORMATION

Example 12FLV2-CT

- Output 12W/m at 5°C
- Freezstop LowVoltage
- Supply Voltage 22 – 24VAC
- Tinned Copper Braid
- Thermoplastic Outerjacket

ACCESSORIES

Heat Trace supply a complete range of accessories including termination/splice kits, end seals, junction boxes and controls. These items are recommended for the correct operation of FLV products.

FURTHER INFORMATION

Please consult the appropriate termination instructions and the Heat Trace Installation, Testing and Maintenance Manual (IMEHT010) for further details.

MAXIMUM LENGTH (m) vs. CIRCUIT BREAKER SIZE

CAT REF	START UP TEMP	START UP CURRENT †	24V 6A	24V 10A	24V 16A
12FLV	5°C	0.729 A/m	8	14	20
	0°C	0.780 A/m	8	12	20
	–20°C	1.016 A/m	6	10	16
	–40°C	1.245 A/m	4	8	12
17FLV	5°C	0.921 A/m	6	10	16
	0°C	0.968 A/m	6	10	16
	–20°C	1.175 A/m	6	8	14
	–40°C	1.378 A/m	4	8	12

For use with Type C circuit breakers to BS EN60898:1991
† 300 second rating.

Important Note

30FLV — 30 FLV is used for specialist applications only. For details of circuit lengths and start-up currents, contact Heat Trace Limited Head Office - Technical Services Department.

THERMAL RATINGS

Nominal output at 12V or 24V when FLV is installed on insulated metal pipes.