

- 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
- Approved for use in non-hazardous, hazardous and corrosive environments
- Full range of controls and accessories
- Available for 110-120VAC and 220-277VAC

FEATURES

FREEZSTOP EXTRA is an industrial grade, self-regulating heating tape that can be used freeze protection or temperature maintenance to 100°C.

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

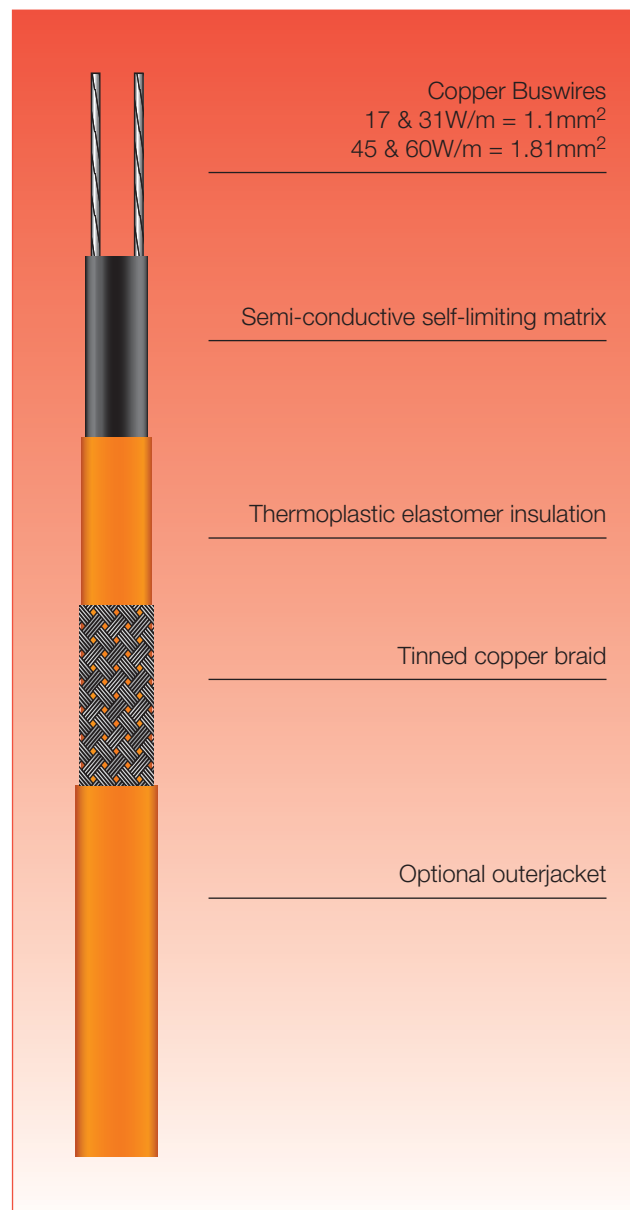
FREEZSTOP EXTRA is approved for use in non-hazardous and hazardous areas to world wide standards.

Its self-regulating characteristics improve safety and reliability. FREEZSTOP EXTRA will not overheat or burnout, even when overlapped upon itself.

The installation of FREEZSTOP EXTRA heating tape is quick and simple and requires no special skills or tools. Termination, splicing and power connection components are all provided in convenient kits.

OPTIONS

- FSE(w) .. C Tinned copper braided heater for where traced equipment does not provide an effective earth path, eg. plastic pipework
- FSE(w) .. CT Thermoplastic overjacket over tinned copper braid provides additional protection.
- FSE(w) .. CF Fluoropolymer overjacket over tinned copper braid provides protection where corrosive chemical solutions or vapours may be present.



SPECIFICATION

MAXIMUM TEMPERATURE 100°C (212°F)

MAX. PERMISSIBLE TEMPERATURE 100°C (212°F)

MINIMUM INSTALLATION TEMPERATURE -40°C (-40°F)
(CENELEC -20°C, -4°F)

POWER SUPPLY 110 - 120 VAC, 220 - 277 VAC

TEMPERATURE CLASSIFICATION T4 (135°C)




MAXIMUM RESISTANCE OF PROTECTIVE BRAIDING 18.2 Ohm/km

WEIGHTS & DIMENSIONS

Type Ref	Nominal Dimensions (mm)	Weight kg/100m	Minimum Bending radius	Gland Size
FSE	10.9 x 3.8	5.8	20mm	M20
FSE .. C	11.8 x 4.7	11.2	25mm	M20
FSE .. C*	13.1 x 6.0	13.2	30mm	M20
FSEw	12.5 x 3.9	11.5	20mm	M20
FSEw .. C	13.5 x 5.0	18.4	25mm	M20
FSEw .. C*	15.0 x 6.5	18.9	30mm	M25

* Denotes (T)hermoplastic, or (F)luoropolymer outerjacket

APPROVAL DETAILS

Testing Authority	Certificate No.	Standard
ATEX 	Sira 02ATEX3076	EN60079-0/EN60079-7
IEC 	Sira 02Y3066	CEI IEC62086
DNV 	E-6865	

Further approvals are available on request.

ORDERING INFORMATION

Example 45FSEw2-CF

Output 45W/m at 10°C _____

FREEZSTOP EXTRA _____

Wide version (45 and 60W/m only) _____

Supply Voltage 220 - 277V AC _____

Tinned Copper Braid _____

Fluoropolymer Outerjacket _____

ACCESSORIES

Heat Trace supply a complete range of accessories including termination/splice kits, end seals, junction boxes and controls. Such items carry separate approvals from the heating tapes.

MAXIMUM LENGTH (m) vs. CIRCUIT BREAKER SIZE

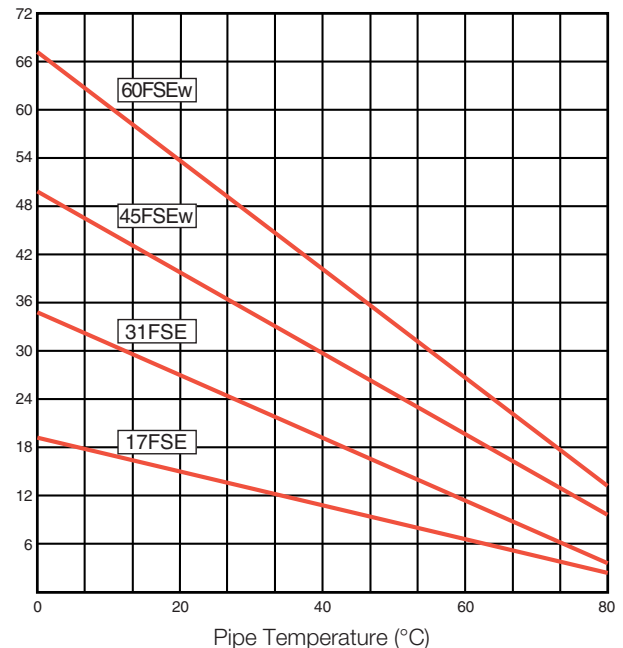
Cat Ref	Start-up Temperature	230V				
		6A	10A	16A	20A	25A
17FSE	10°C	46	76	120	148	-
	0°C	36	62	98	122	148
	-20°C	24	42	66	82	102
	-40°C	16	28	44	56	68
31FSE	10°C	32	52	82	104	110
	0°C	26	42	68	84	106
	-20°C	16	28	46	56	70
	-40°C	12	18	30	38	48
45FSEw	10°C	24	38	62	76	96
	0°C	20	32	50	64	80
	-20°C	12	22	34	42	52
	-40°C	8	14	22	28	34
60FSEw	10°C	20	35	52	66	82
	0°C	16	28	44	56	70
	-20°C	12	20	32	40	50
	-40°C	8	14	22	28	34

For use with Type C circuit breakers to BS EN60898:1991

THERMAL RATINGS

Nominal output at 115V or 230V when FREEZSTOP EXTRA is installed on insulated metal pipes.

W/m



FURTHER INFORMATION

Please consult the appropriate termination instructions and the Heat Trace Installation, Maintenance and Testing Manual (MEHT010) for further details.