

A high temperature self-regulating heating cable.

FailSaf

Inherently Temperature-Safe Heating Cable

- 225°C exposure temperature withstand, (energised or switched off).
- Inherently temperature-safe. (ITS)
- Power outputs to 60W/m at 10°C
- External temperature controls not necessary.

DESCRIPTION

FS+ is a high temperature self-regulating heating cable, having an exposure limit of 225°C, energised or not.

It may be provided with a continuous extruded metal jacket for applications where high mechanical strength is required or a metal braid where flexibility is preferred.

The continuous metal outer jacket is ductile, yet withstands high mechanical loads, thus averting damage when being installed in arduous environments.

Easy terminations, cut-to-length.

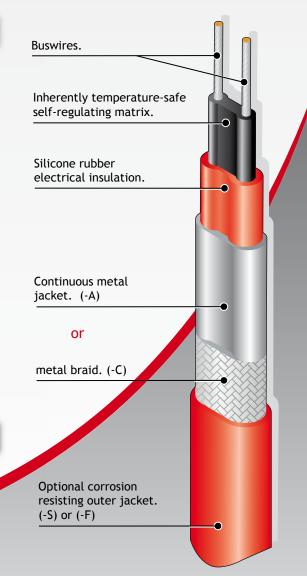
Safest ever self-regulating product range for high temperature exposure; will not overheat even when exposed to 225°C when energised or switched off as it is inherently temperature-safe.

ATEX/IECEx Approved.

INHERENTLY TEMPERATURE-SAFE

"The inherent ability to self-regulate at a temperature level below the maximum product rating and withstand temperature of the insulating materials, without the need for temperature control."

Similar competitor self-regulating products are typically limited to a maximum energised temperature, typically 120°C at which point, their retained power output prevent the cable from selfregulating at its own limiting temperatures. All such products require temperature control to ensure their own temperature safety.





















SPECIFICATION

MAXIMUM CONTINUOUS EXPOSURE

TEMPERATURE:

(ENERGISED OR SWITCHED OFF)

225°C (437°F)

MINIMUM OPERATING

TEMPERATURE: -65°C* (-85°F)

MINIMUM INSTALLATION

TEMPERATURE: -40°C (-40°F)

POWER SUPPLY: 1 - 277V AC

TEMPERATURE CLASSIFICATION: T3 (200°C)

WEIGHTS & DIMENSIONS:

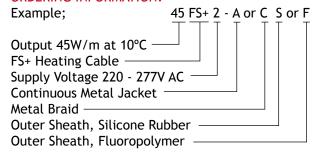
FS+A 11.25 x 5.85 11.9 50mm M2	nd
FS+AS 13.25 x 7.85 15.1 50mm M2	ze
FS+AF 12.15 x 6.75 15.0 50mm M2 FS+C 10.45 x 5.05 9.9 25mm M2 FS+CS 12.45 x 7.05 12.9 25mm M2 FS+CF 11.35 x 5.95 12.8 35mm M2	20 20 20 20 20

APPROVAL DETAILS:

- Sira 12ATEX3136 ΔTFX - SIR 12.0054 **IECEx** DNV-GL - E12834

EAC* - TC RU C-GB.ГБ05.В.00186

ORDERING INFORMATION:



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 cables. Use only approved components, as per system certification.

FURTHER INFORMATION:

Please consult the appropriate termination instructions and the Heat Trace Installation, Maintenance and Testing Manual (HTDIMM 010) for further details.

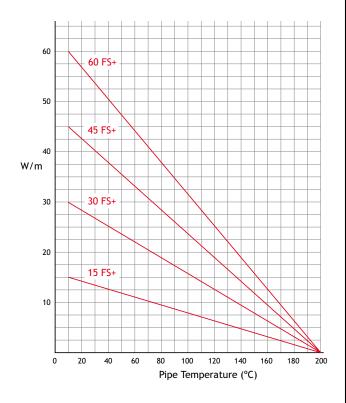
MAXIMUM LENGTH (m) vs. CIRCUIT BREAKER SIZE: The following circuit details relate specifically for the trace heating of pipework and equipment. For any other application consult Heat Trace.

Cat	Start-up	230V			
Reference	Temperature	10A	16A	20A	32A
15FS+	10°C	76	122	154	154
	0°C	70	112	140	146
	-20°C	62	98	122	138
	-40°C	52	82	102	126
30FS+	10°C	52	82	102	108
	0°C	46	74	92	104
	-20°C	40	66	82	98
	-40°C	30	50	62	88
45FS+	10°C	38	62	76	88
	0°C	32	52	66	84
	-20°C	24	38	46	76
	-40°C	14	24	28	46
60FS+	10°C	24	38	46	76
	0°C	18	30	36	58
	-20°C	12	20	26	42
	-40°C	8	12	16	24

For use with Type C circuit breakers to IEC60898

THERMAL RATINGS:

Nominal output at 230V when FS+ is installed on thermally insulated carbon steel pipes.





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