

Ultra high temperature self-regulating heating cable.

FailSafe Ultimo + Inherently Temperature-Safe Heating Cable

- 275°C exposure temperature withstand, (energised or switched off).
- Very high power outputs to 125W/m at 10°C
- *Inherently temperature-safe. (ITS)*
- External temperature controls not necessary.

DESCRIPTION

FSU+ is an ultra high temperature self-regulating heating cable, having an exposure limit of 275°C, energised or not.

FSU+ is provided with a continuous extruded metal jacket for applications where high mechanical strength is required.

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.

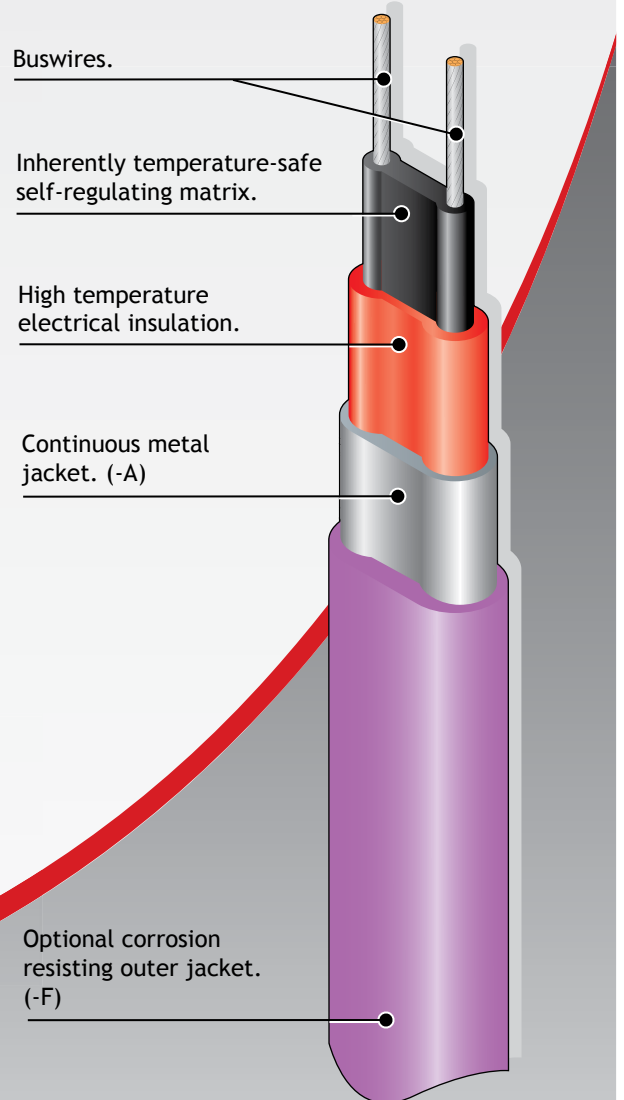
Safest ever self-regulating product range for very high temperature exposure; will not overheat even when exposed to 275°C when energised or switched off as it is *inherently temperature-safe*.

IECEx Approval Pending.

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 self-regulating at its own limiting temperatures. All such products require temperature control to ensure their own temperature safety.



SPECIFICATION

MAXIMUM EXPOSURE TEMPERATURE: 275°C (527°F)
(ENERGISED OR SWITCHED OFF)

MINIMUM OPERATING TEMPERATURE: -65°C (-85°F)

MINIMUM INSTALLATION TEMPERATURE: -40°C (-40°F)

POWER SUPPLY: 12 - 277V AC

WEIGHTS & DIMENSIONS:

Type Ref	Dimensions (mm)+/-0.5	Weight kg/100m	Min Bending radius	Gland Size
FSU+A	13.0 x 6.3	14.6	50mm	M25
FSU+AF	13.8 x 7.1	18.7	50mm	M25
FSU+w-A	15.4 x 6.6	19.7	50mm	M25
FSU+w-AF	16.2 x 6.7	23.5	50mm	M25

APPROVAL DETAILS: IECEx (pending)

ORDERING INFORMATION:

Example; 75 FSU+ 2 - A F

Output 75w/m at 10°C _____

FSU+ Heating Cable _____

Supply Voltage 220 - 277V AC _____

Continuous Metal Jacket _____

Outer Sheath, Fluoropolymer _____

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 Reference	Environmental Start-up Temp.	230V				
		10A	16A	20A	32A	50A
15FSU+	10°C	76	122	154	172	172
	0°C	70	112	140	172	172
	-20°C	62	98	122	172	172
	-40°C	52	82	102	164	172
30FSU+	10°C	52	82	102	122	122
	0°C	46	74	92	122	122
	-20°C	40	66	82	122	122
	-40°C	34	54	68	110	122
45FSU+	10°C	38	62	76	100	100
	0°C	34	56	70	100	100
	-20°C	30	50	62	98	100
	-40°C	22	34	44	70	100
60FSU+	10°C	30	50	62	86	86
	0°C	28	44	56	86	86
	-20°C	20	32	40	62	86
	-40°C	12	18	24	38	60
75FSU+	10°C	22	34	44	70	76
	0°C	16	26	34	54	76
	-20°C	12	18	24	38	60
	-40°C	8	12	14	22	36
100FSU+w	10°C	18	30	36	58	84
	0°C	18	28	34	56	84
	-20°C	16	24	30	50	76
	-40°C	14	22	28	46	70
125FSU+w	10°C	12	18	22	36	58
	0°C	10	18	22	34	54
	-20°C	10	16	20	30	48
	-40°C	8	14	18	28	44

For use with Type C circuit breakers to IEC 60898

These circuit lengths may be exceeded dependant on specific design parameters.

THERMAL RATINGS:

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

