

Very high temperature self-regulating heating cable.

FailSafe Super Inherently Temperature-Safe Heating Cable

- 225°C exposure temperature withstand, (energised or switched off).
- *Inherently temperature-safe. (ITS)*
- High power outputs to 75W/m at 10°C
- External temperature controls not necessary.

DESCRIPTION

FSS is a very 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.

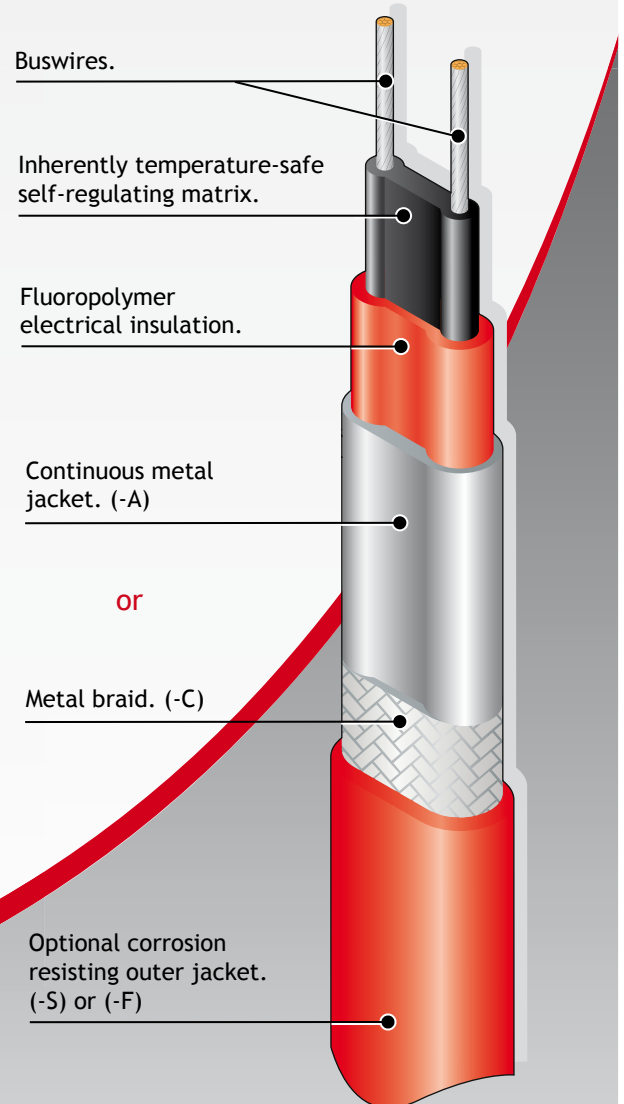
Safest ever self-regulating product range for very high temperature exposure; will not overheat even when exposed to 225°C when energised or switched off as it is *inherently temperature-safe*.

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



SPECIFICATION

MAXIMUM CONTINUOUS EXPOSURE TEMPERATURE: 225°C (437°F)
(ENERGISED OR SWITCHED OFF)

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

MINIMUM AMBIENT TEMPERATURE: -60°C (-76°F)

POWER SUPPLY: 208 - 277V AC
(other voltages available on request)

WEIGHTS & DIMENSIONS:

Type Ref	Nom. Dims. (mm)	Weight kg/100m	Min Bending radius	Gland size
FSS-A	11.25 x 5.05	12.4	20mm	M20
FSS-AS	12.25 x 6.05	15.6	20mm	M20
FSS-AF	12.05 x 5.85	15.8	20mm	M20
FSS-C	10.45 x 4.25	10.4	20mm	M20
FSS-CF	11.25 x 5.05	13.4	20mm	M20

APPROVAL DETAILS:

ATEX - Sira 02ATEX3072 - EN 60079-0:2009, IEC 60079-31:2008, EN 60079-30-1:2007
IECEX - SIR 11.0120 - IEC 60079-0:2011, IEC60079-30-1:2007-01, IEC60079-31:2008

ORDERING INFORMATION:

Example; 30 FSS 2 - A or C F or S

Output 30w/m at 10°C
FSS Heating Cable
Supply Voltage 220 - 240V AC
Continuous Outer jacket
Metal Braid
Outer Sheath, Fluoropolymer
Outer Sheath, Silicone Rubber

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 (IMEHT010) for further details.

MAXIMUM LENGTH (m) vs. CIRCUIT BREAKER SIZE:

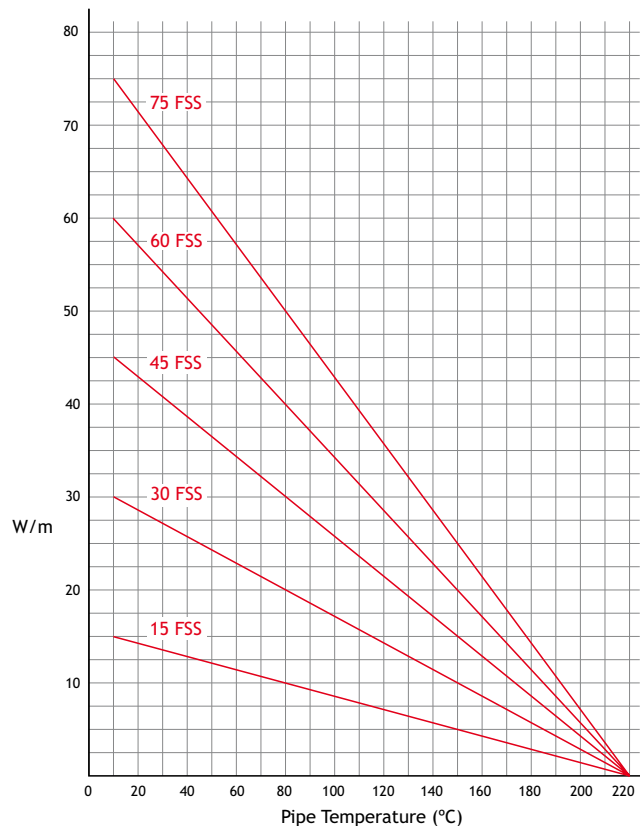
The following circuit details relate specifically for the trace heating of pipework and equipment. For any other application consult Heat Trace.

Cat Reference	Start-up Temperature	230V	
		20A	32A
15FSS	10°C	154	-
30FSS	10°C	102	108
45FSS	10°C	76	88
60FSS	10°C	62	76
75FSS	10°C	52	68

For use with Type C circuit breakers to IEC 60898

THERMAL RATINGS:

Nominal output at 230V when FSS is installed on thermally insulated carbon steel pipes, being fixed with aluminium fixing tape.



FLUXO