

Electrical heating cable for specialised process heating, or temperature maintenance, where high withstand temperatures are required up to 300°C.

ALUMINIUM FAILSAFE

300°C Self-Regulating Heating Cable

- *Failsafe, automatically adjusts heat output in response to increasing or decreasing temperature*
- *Max exposure temperature 300°C*
- *Can be cut-to-length with no wastage*
- *Will not overheat or burnout, even when overlapped*
- *Unique to Heat Trace Limited*
- *High power outputs up to 120W/m*

FEATURES

AFS is a unique industrial grade, self-regulating heating cable that can be used on high temperature applications where the heater needs to withstand temperatures up to 300°C.

The electrical resistance of the positive temperature coefficient (PTC) heating matrix increases with temperature causing a reduction in power output. This results in a temperature FAILSAFE cable that does not rely on external temperature controls.

It can be cut-to-length on site to exact dimensions without any complicated design considerations.

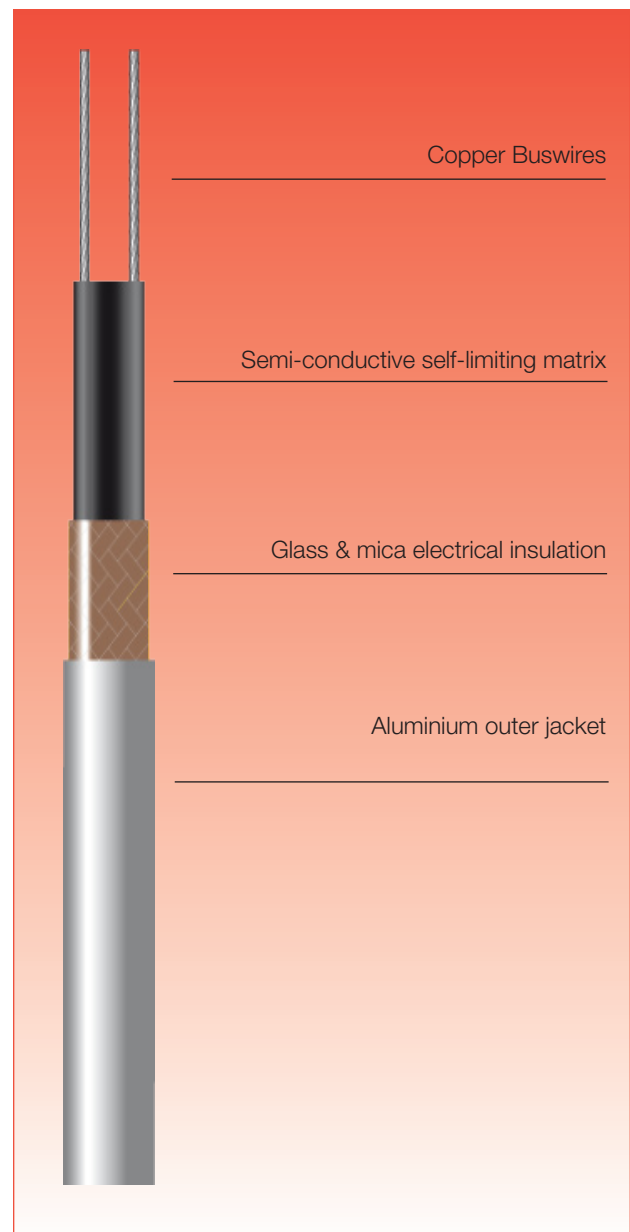
AFS is suitable for use in safe (non-hazardous) or hazardous environments in accordance with IEC EN60079-30.

Its self-regulating characteristics improve safety and reliability. Unlike other high temperature tracers that require temperature controls to ensure temperature safety, AFS will not overheat or burnout, even when overlapped upon itself.

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

APPLICATION

AFS is a high power and high temperature self-regulating heating cable for specialised process heating, or temperature maintenance, where high withstand temperatures are required, without the need for external temperature controls.



SPECIFICATION

MAXIMUM ENERGISED TEMPERATURE 250°C (482°F)

MAXIMUM EXPOSURE TEMPERATURE 300°C (590°F)

MINIMUM INSTALLATION TEMPERATURE -30°C (-22°F)
CENELEC -20°C (-4°F)

POWER SUPPLY 220 - 277 VAC
(other voltages available)

WEIGHTS & DIMENSIONS

Type Ref	Nom. Dims. (mm)	Weight kg/100m	Min. Bending radius @ -20°C	Gland Size
AFS	12.8 x 6.0	16.5	50mm	M20

APPROVAL DETAILS Pending - Details on request

ORDERING INFORMATION

Example

Output 60W/m at 10°C

ALUMINIUM FAILSAFE

Supply Voltage 220 - 240V AC

60AFS2

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. When used in hazardous areas, only use approved components.

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

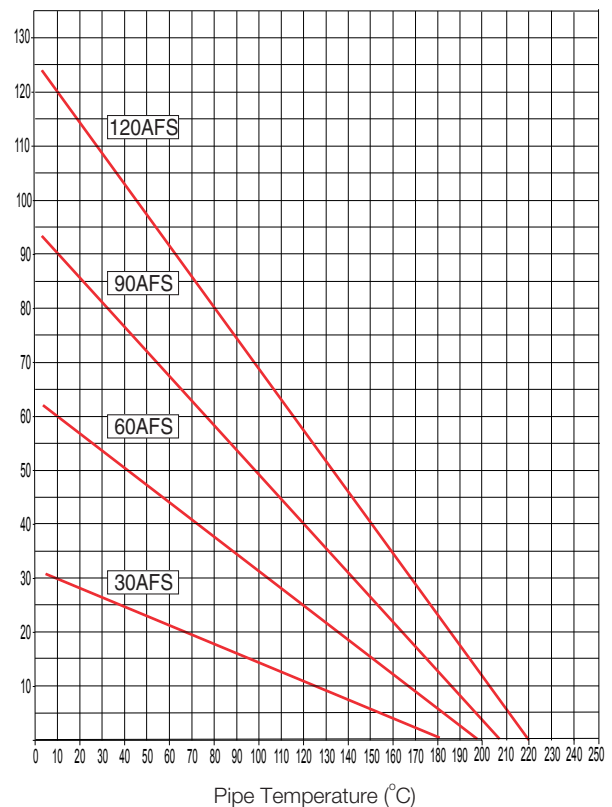
Cat Reference	Start-up Temperature	230V		
		20A	32A	40A
30AFS	10°C	76	108	
60AFS	10°C	52	76	
90AFS	10°C	38	62	
120AFS	10°C	30	50	62

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

THERMAL RATINGS

Nominal output at 230V when AFS is installed on insulated metal pipes.

W/m



HEAT TRACE™
SETTING THE STANDARDS LEADING THE WAY

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