



self-regulating heating cable.

- 300°C exposure temperature withstand, (energised or switched off).
- The worlds highest self-regulating heating cable, power output - 150W/m at 10°C

# DESCRIPTION

**AFS** is a high strength self-regulating heating cable having temperature and power capabilities beyond those of any competitor worldwide. Its limit of 300°C, energised or not, is beyond the limits of conventional polymers. Its high power capabilities (of up to 150W/m @ 10°C) makes it eminently suited to medium and high temperature applications such as bitumen melt-out. Its continuous metal jacket is ductile, yet withstands high mechanical loads, thus averting damage when being installed in arduous environments. It is easy to terminate and cut-to-length. AFS is the safest ever self-regulating product for high temperature exposure; it will not overheat even when exposed to 300°C, when energised or switched off as it is *inherently temperature-safe*.

IECEx & ATEX Approval Pending.

A safer, more convenient option to traditional series resistance MI cables, which must be individually designed, are difficult to terminate and are not *inherently temperature-safe*.

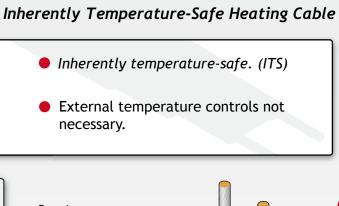
### INHERENTLY TEMPERATURE-SAFE

"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."

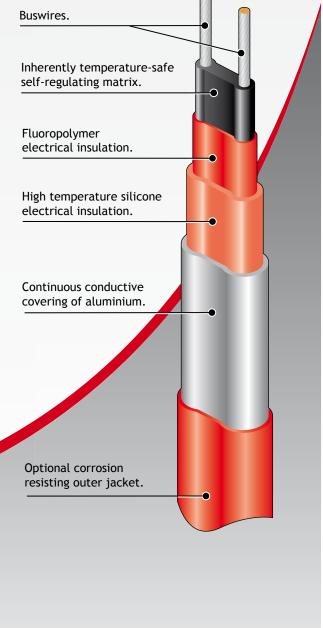
Similar competitor self-regulating products are typically limited to a maximum energised temperature, typically 120°C at which point, their retained power output prevent the cable from selfregulating at its own limiting temperatures. All such products require temperature control to ensure their own temperature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







Auto FailSafe





SRDS0109 (Dec 15)

# **SPECIFICATION**

GISED OR SWIT	CHED OF	F)	. ,		
d to 275°C when op	tional fluor	opolymer jacket i	is fitted.		
	ON				
ERATURE:	-40°C (-40°F)				
UM AMBIENT					
TEMPERATURE:			-60°C (-76°F)		
POWER SUPPLY:			1 - 277V AC		
ITS & DIMENSIC	DNS:				
Dimensions (mm)+/-0.5	-	-	Gland Size		
16.75 x 7.95	22.0	50mm	M25		
17.65 x 8.85	26.7	50mm	M25		
APPROVAL DETAILS:			IECEx (pending) ATEX (pending)		
	GISED OR SWIT d to 275°C when op UM INSTALLATION RATURE: UM AMBIENT RATURE: R SUPPLY: TTS & DIMENSIC Dimensions (mm)+/-0.5 16.75 x 7.95 17.65 x 8.85	GISED OR SWITCHED OF d to 275°C when optional fluor UM INSTALLATION ERATURE: UM AMBIENT ERATURE: R SUPPLY: TTS & DIMENSIONS: Dimensions Weight (mm)+/-0.5 kg/100m 16.75 x 7.95 22.0 17.65 x 8.85 26.7	ERATURE: -40°C   UM AMBIENT -60°C   ERATURE: -60°C   R SUPPLY: 1 - 2   ITS & DIMENSIONS: Dimensions   Weight Min Bending (mm)+/-0.5 kg/100m   16.75 x 7.95 22.0 50mm   17.65 x 8.85 26.7 50mm   WAL DETAILS: IECEx (provide the second secon		

Example;	<b>75 AFS 2 - F</b>
Output 75w/m at 10°C ——— AFS Heating cable ——— Supply Voltage 220 - 277V AC —	
Fluoropolymer outer jacket —	

### 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.

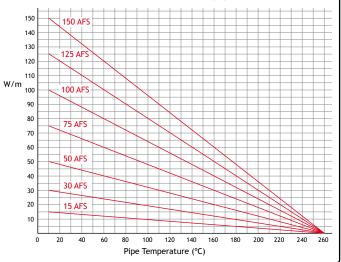
#### MAXIMUM LENGTH (m) vs. CIRCUIT BREAKER SIZE:

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	16A	20A	32A	63A
15AFS	10°C	122	154	196	196
	0°C	114	144	190	190
	-20°C	102	128	178	178
	-40°C	94	118	172	172
30AFS	10°C	74	92	138	138
	0°C	68	86	134	134
	-20°C	62	76	122	126
	-40°C	56	70	114	122
50AFS	10°C	50	62	98	108
	0°C	46	58	92	104
	-20°C	40	52	82	98
	-40°C	38	48	76	94
75AFS	10°C	36	46	74	88
	0°C	34	42	68	84
	-20°C	28	36	58	80
	-40°C	22	28	46	76
100AFS	10°C	22	28	46	76
	0°C	18	24	36	72
	-20°C	14	16	26	52
	-40°C	10	12	20	40
125AFS	10°C	12	16	24	48
	0°C	10	12	20	38
	-20°C	6	8	14	28
	-40°C	6	6	10	22
150AFS	10°C	8	8	14	28
	0°C	6	8	12	22
	-20°C	4	6	8	16
	-40°C	4	4	6	12
For use wit	h Type C circuit	break	kers to	IEC 6	50898

### THERMAL RATINGS:

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





Heat Trace Ltd, Mere's Edge, Chester Road, Helsby, Frodsham, Cheshire, WA6 0DJ, England. Tel: +44 (0)1928 726451 Fax: +44 (0)1928 727846

www.heat-trace.com

com email: info@heat-trace.com

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