



FREEZSTOP REGULAR Electrical heating cable for freeze protection or temperature maintenance.

Inherently temperature safe.

Suitable for use in safe, hazardous and corrosive areas.

Self-Regulating Heating Cable

- Available up to 277V AC/DC.
- Full range of controls and accessories available.

DESCRIPTION

Can be cut-to-length.

FREEZSTOP REGULAR is an industrial grade, self-regulating heating cable that can be used for freeze protection or temperature maintenance to 85°C.

Automatically adjusts heat output in response

to increasing or decreasing pipe temperature.

It can be cut-to-length on site and exact piping lengths can be matched without any complicated design considerations.

FREEZSTOP REGULAR is approved for use in non-hazardous, hazardous and corrosive environments to world wide standards.

Its self-regulating characteristics improve safety and reliability. FREEZSTOP REGULAR will not overheat or burnout, even when overlapped upon itself. Its power output is self-regulated in response to the pipe temperature.

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

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."

Other manufacturers self-regulating products are typically limited to a maximum energised temperature, typically 65°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

	ATURE (Power OI		85°C† (185°F)			
	M PERMISSABLE I ATURE (Power OI		85°C <mark>†</mark> (1	85°F)		
MINIMUN TEMPERA	A OPERATING ATURE:		-40°C (-	-40°F)		
	INSTALLATION					
TEMPERA POWER S		-40°C (-40°F) 12 - 277V AC/DC				
	ATURE CLASSIFIC		2-2///			
up to 31	/up to 40W W/m @ nom 230V	'm @ nom v powered to n @ nom vo	o 277V - T6 ltage - T4 ((85°C) 135°C)		
INGRESS	PROTECTION			IP67		
WEIGHTS Type Ref	5 & DIMENSIONS: Dimensions (mm) +/-0.5	Weight kg/100m	Min Bend radius	Gland Size		
FSRC FSRCT FSRCF		9.5 12.9 14.8	30mm 35mm 35mm	M20 M20 M20		
ATEX† IECEx† EAC† DNV† CNEX UKEX CCC	- CML 19ATEX - CML 19.0121 - EAЭC RU C-C - TAE0000272 - CNEx19.155 - CML 21UKEX - 2020312312	I GB.HA65.B 5U (31139	.01383/22	2		
Example Output 1	7W/m at 10°C -		17 <u>FSR 2</u>	- <u>C T</u>		
Supply V Metal Br	> REGULAR ——— oltage 220 - 277 aid ——————————— olastic Outerjack	V AC/DC-				
ATEX, IE	CEx & UKEX MAR	RKINGS:				
Ex 60079 Ex 60079	0-30-1 IIC T4 Gb 0-30-1 IIC T4 Gb	C Db				

MAXIMUM LENGTH (m) vs. CIRCUIT BREAKER SIZE:

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

		ult Heat Irad					
Cat	Start-up)	230V				
Reference	Temperat	ure 10A	16A	20A	32A		
10FSR	10°C	136	198	198	198		
	0°C	122	188	188	188		
	-20°C	108	174	176	176		
	-40°C	96	154	166	166		
17FSR	10°C	92	148	152	152		
	0°C	84	134	144	144		
	-20°C	74	118	136	136		
	-40°C	66	106	128	128		
25FSR	10°C	74	118	124	124		
	0°C	68	108	120	120		
	-20°C	60	94	112	112		
	-40°C	52	84	106	106		
31FSR	10°C	58	92	112	112		
	0°C	52	84	104	106		
	-20°C	46	74	92	100		
	-40°C	42	66	82	94		
40FSR	10°C	46	74	92	98		
	0°C	42	66	84	94		
	-20°C	36	58	74	88		
	-40°C	32	52	66	84		
Residentia	l Co	ommercial Industry and		nd			
buildings		ouildings	Infra	Infrastructure			
MCB's certif IEC 60898-		MCB's certified according both IEC 60898-1 & IEC 60947-2					

THERMAL RATINGS:

Nominal output at 115V or 230V when FSR is installed on thermally insulated carbon steel pipes.



FURTHER INFORMATION:

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



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

www.heat-trace.com Email: info@heat-trace.com

The information given herein, including drawings, illustrations and schematics are intended for illustration purposes only. Heat Trace Ltd makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Users of Heat Trace Ltd products should make their own evaluation to determine the suitability of each such product for specific applications. In no way will Heat Trace Ltd be liable for any damages arising out of the misuse, resale or use of the product.