

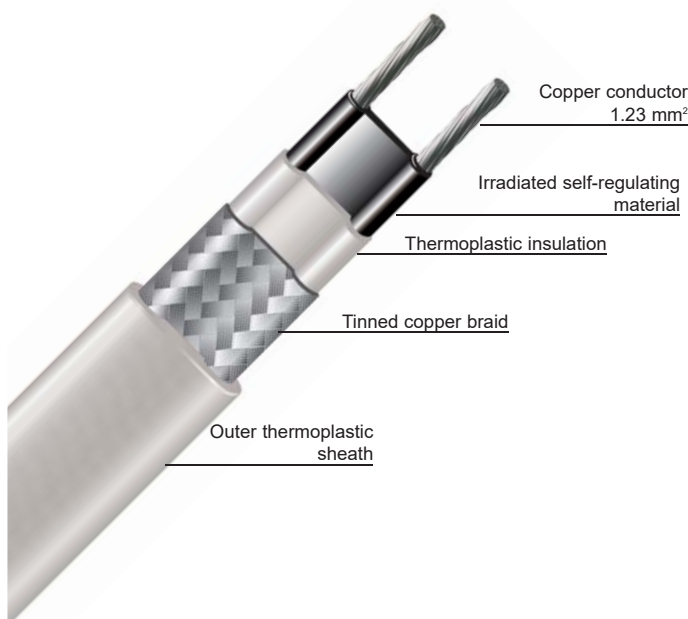
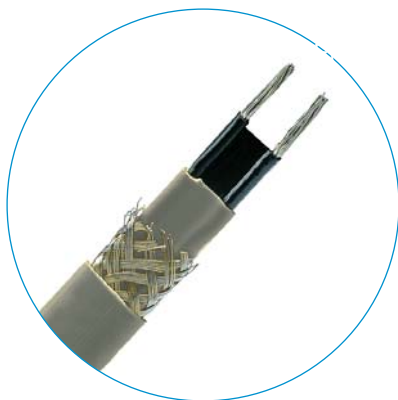
FSH2/TP

Self-regulating cables for temperature maintenance



Characteristics

- Withstands continuous at + 80°C.
- Can be cut to length on site.
- Will not self-destruct by overheating.
- Available as 40 W/m to + 10°C.
- Power supply 230 V.
- Self-regulating cables, thermoplastic insulation with tinned copper braid and outer thermoplastic anticorrosion sheath.
- Special production on request.



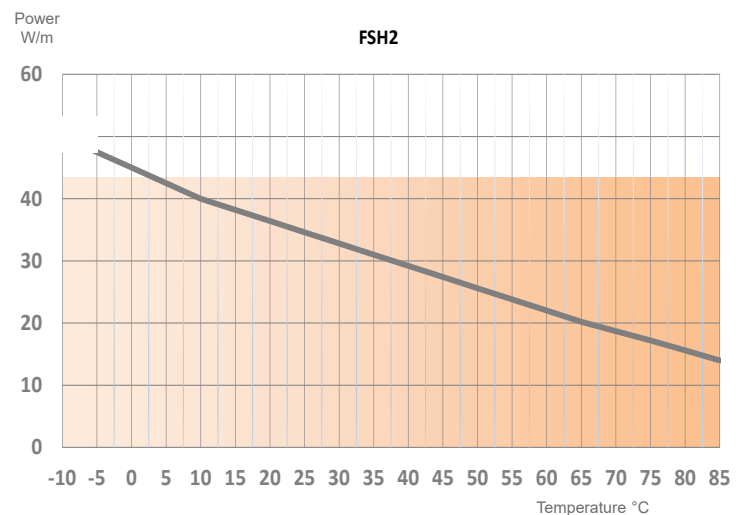
Applications

This FSH2/TP range of self-regulating heating cables is designed for maintaining the hot water supply at a constant temperature up to +80°C.

By tracing the piping network with an FSH2/TP self-regulating heating cable under the lagging, heat losses are eliminated and the water is kept at the right temperature. Other savings are obtained by doing away with the return piping, pumps, valves, etc.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.

Power output according to pipe temperature



		FSH2/TP 40
Insulation		Thermoplastic
Dimensions (Tol. +/-0.5mm)		6.8 x 13 mm
Power at 10°C		40 W/m
Permissible surface temperature		Unenergized circuit : max. + 100°C Energized circuit : max. + 80°C
Max. circuit length		
16 A	-10°C	75 m
	0°C	80 m
20 A	-10°C	100 m
	0°C	110 m
Ingress protection code		IP54 with our kits
Min. bending radius		6 x the thickness of cable

Use

Consult the pages of the catalogue devoted to the corresponding general operating principles, general instructions for use and accessories.



TO TALK TO OUR EXPERT TEAM,
CALL +44 (0)1483 869 070 OR
EMAIL INDUSTRIAL@HAWCO.CO.UK



FSJ - FSJ/T - FSJ/TP Self-regulating cables

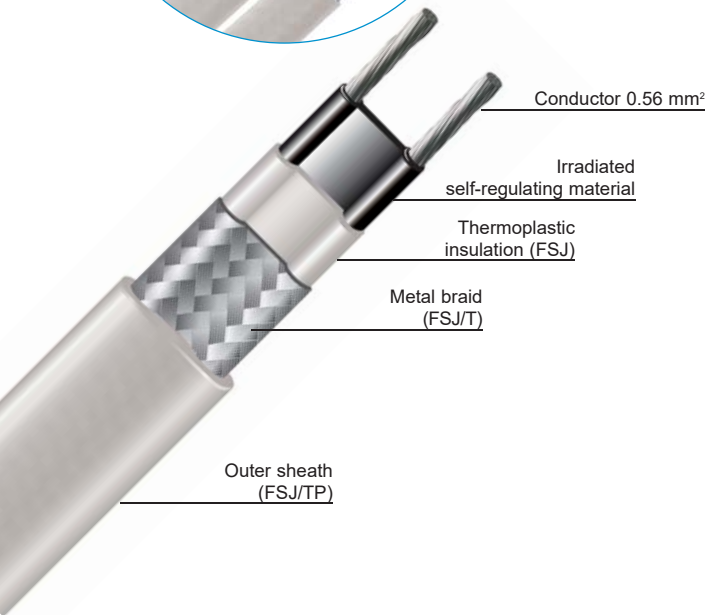
Characteristics

- Can be cut to length on site.
- Will not self-destruct by overheating.
- Power supply 230 V.
- Available as 15, 25 or 35 W/m at + 10°C.
- FSJ : self-regulating cables thermoplastic insulation.
- FSJ/T : with tinned copper braid for mechanical protection and heating.
- FSJ/TP : with tinned copper braid and outer thermoplastic anticorrosion sheath.
- Special production on request.

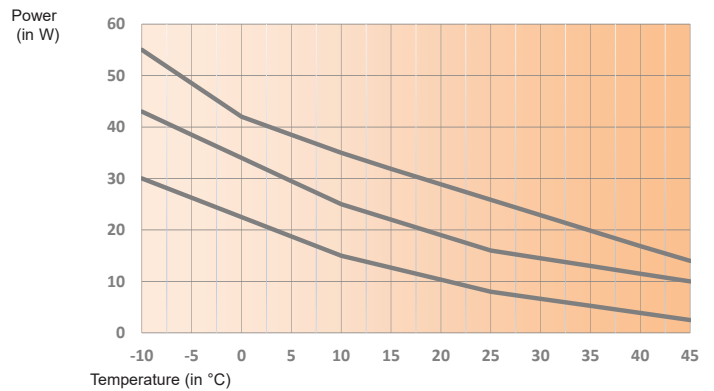
Applications

Self-regulating cables of the FSJ range are used to protect against freezing or to maintain moderate temperatures.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.



Power output according to pipe temperature



	FSJ 15	FSJ 25	FSJ 35	
Dimensions tolerances +/- 0.3 mm	FSJ : 6 x 3.7 mm			
	FSJ/T : 6.85 x 4.15 mm			
	FSJ/TP : 8.15 x 6.15 mm			
Power at 10°C	15 W/m	25 W/m	35 W/m	
Permissible surface temperature	Unenergized circuit : max. + 65°C Energized circuit : max. + 50°C			
Max. circuit length				
10A	-20°C	80 m	50 m	40 m
	10°C	100 m	70 m	60 m
Ingress protection code	IP54 with our kits			
Min. bending radius	6 x the thickness of cable			

Use

Consult the pages of our catalogue devoted to the corresponding general operating principles, general instructions for use and accessories.



TO TALK TO OUR EXPERT TEAM,
CALL +44 (0)1483 869 070 OR
EMAIL INDUSTRIAL@HAWCO.CO.UK



FSO - FSO/T - FSO/TP Self-regulating cables

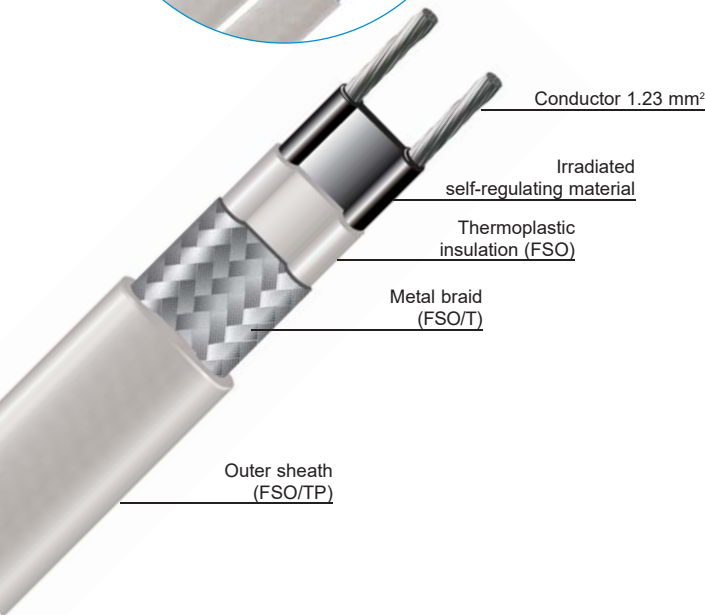
Characteristics

- Can be cut to length on site.
- Will not self-destruct by overheating.
- Power supply 230 V.
- Available as 10, 20, 30 or 40 W/m at + 10°C.
- FSO : self-regulating cables thermoplastic insulation.
- FSO/T : with tinned copper braid for mechanical protection and heating.
- FSO/TP : with tinned copper braid and outer thermoplastic anticorrosion sheath.
- Special production on request.

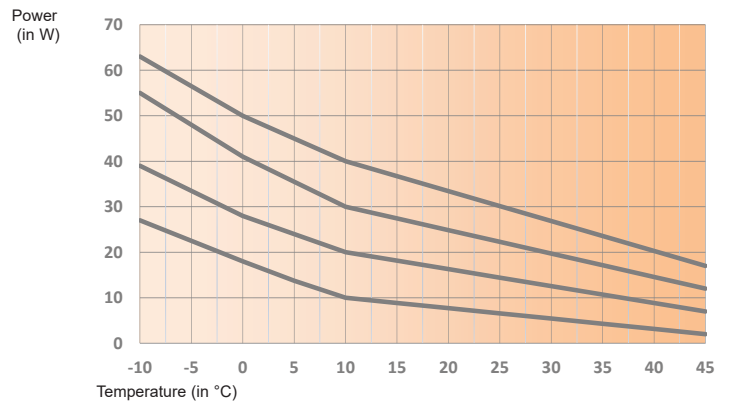
Applications

Self-regulating cables of the FSO range are used to protect against freezing or to maintain moderate temperatures.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.



Power output according to pipe temperature



		FSO 10	FSO 20	FSO 30	FSO 40
Dimensions tolerances +/- 0.3 mm		FSO : 9.7 x 3.8 mm			
		FSO/T : 10.65 x 4.35 mm			
		FSO/TP : 12.25 x 6.35 mm			
Power at 10°C		10 W/m	20 W/m	30 W/m	40W/m
Permissible surface temperature		Unenergized circuit : max. + 65°C Energized circuit : max. + 50°C			
Max. circuit length					
16A	-20°C	180 m	90 m	70 m	50 m
	10°C	200 m	120 m	80 m	70 m
20A	-20°C	230 m	120 m	90 m	65 m
	10°C	230 m	140 m	110 m	80 m
Ingress protection code		IP 54 with our kits			
Min. bending radius		6 x the thickness of cable			

Use

Consult the pages of our catalogue devoted to the corresponding general operating principles, general instructions for use and accessories..



TO TALK TO OUR EXPERT TEAM,
CALL +44 (0)1483 869 070 OR
EMAIL INDUSTRIAL@HAWCO.CO.UK



FST - FST/T - FST/I - FST/TP - FST/TF

Self-regulating cables

Characteristics

- Can be cut to length on site.
- Will not self-destruct by overheating.
- Power supply 230 V.
- Available as 10, 15, 25, 30 or 40 W/m at + 10°C.
- FST : self-regulating cables thermoplastic insulation.
- FST/T : with tinned copper braid for mechanical protection and earthing.
- FST/I : with stainless steel braid for mechanical protection and earthing.
- FST/TP : with tinned copper braid and outer thermoplastic anticorrosion sheath.
- FST/TF : with tinned copper braid and outer fluoropolymer sheath, ideal for the chemical industry where corrosive products may be present.
- Special production on request.

Applications

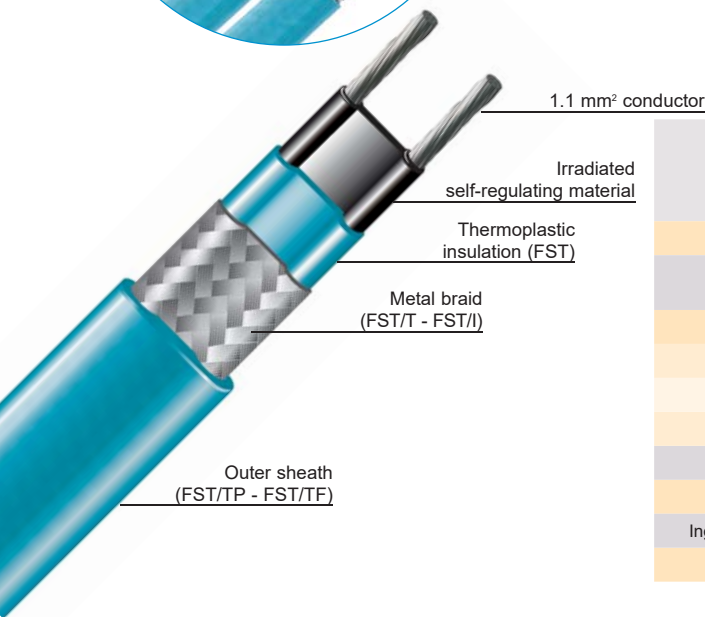
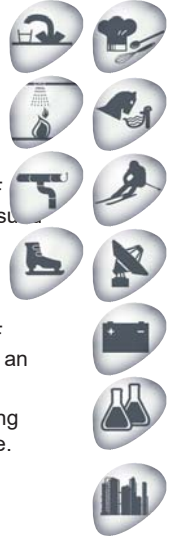
Self-regulating cables of the FST range are used to protect against freezing or to maintain moderate temperatures.

Cables of type FST/T, FST/I, FST/TP and FST/TF comply with the technical evaluation document issued by the CSTB.

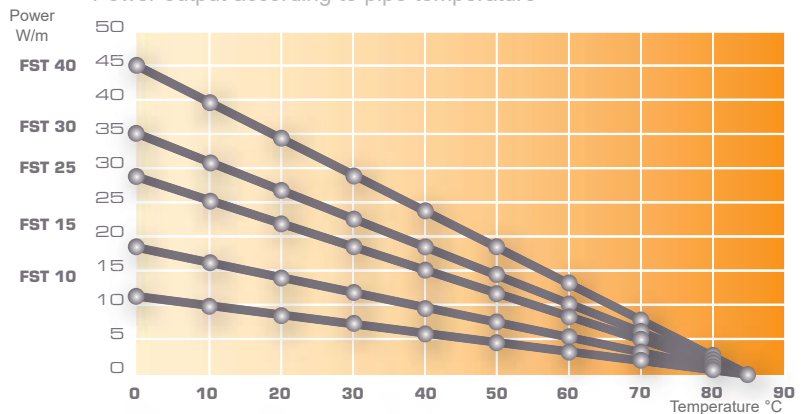
Cable FST/TP/30 is recommended for protecting against freezing in gutters.

Cables of type FST/T, FST/I, FST/TP and FST/TF can, with the appropriate accessories, be used in an explosive atmosphere.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.



Power output according to pipe temperature



	FST 10	FST 15	FST 25	FST 30	FST 40
Dimensions	FST : 4 x 11 mm FST/T - FST/I : 4.7 x 11.8 mm FST/TP - FST/TF : 6 x 13 mm				
Power at 10°C	10 W/m	17 W/m	25 W/m	31 W/m	40W/m
Permissible surface temperature	Unenergized circuit : max. + 85°C				
Start-up current					
+10°C	0.07 A/m	0.1 A/m	0.13 A/m	0.16 A/m	0.21 A/m
0°C	0.08 A/m	0.12 A/m	0.16 A/m	0.19 A/m	0.26 A/m
- 20°C	0.12 A/m	0.15 A/m	0.21 A/m	0.24 A/m	0.32 A/m
Max. circuit length	198 m	154 m	124 m	110 m	88 m
Temperature class	T6 (85°C)		T4 (135°C)		
Ingress protection code	IP54 with our kits				
Min. bending radius	6 x the thickness of cable				

Use

Consult the pages of the catalogue devoted to the corresponding general operating principles, general instructions for use and accessories.

Certificat ATEX : CML 20ATEX3204 pour FST/TP et FST/TF
Certificat IECEX : CML 20.0130 pour FST/TP et FST/TF



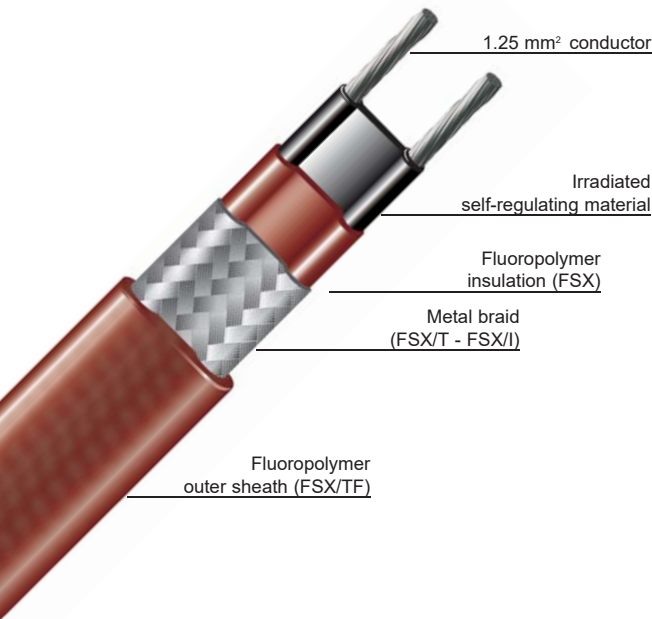
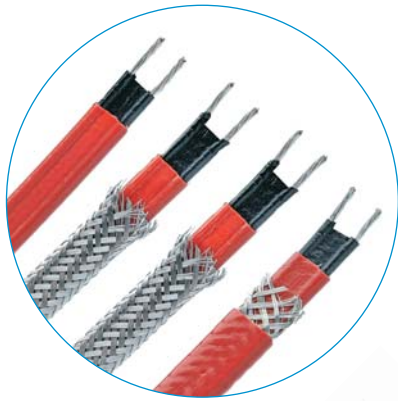
TO TALK TO OUR EXPERT TEAM,
CALL +44 (0)1483 869 070 OR
EMAIL INDUSTRIAL@HAWCO.CO.UK



FSX - FSX/T - FSX/I - FSX/TF Self-regulating cables

Characteristics

- Available as 15, 30, 45, 60 or 75 W/m at + 10°C.
- Can be cut to length on site.
- Will not self-destruct by overheating.
- Power supply 230 V.
- FSX : self-regulating cables, fluoropolymer insulation.
- FSX/T : with tinned copper braid for mechanical protection and earthing.
- FSX/I : with stainless steel braid for mechanical protection and earthing.
- FSX/TF : with tinned copper braid and outer fluoropolymer sheath, ideal for the chemical industry where corrosive substances can be present
- Special production on request.



Applications

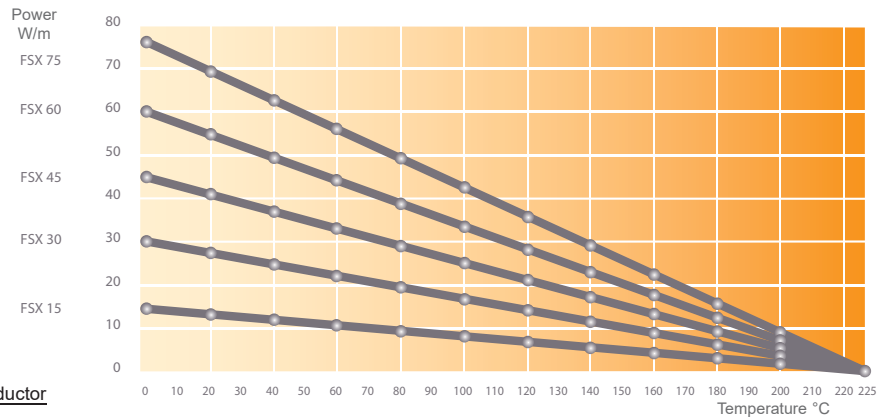
FSX self-regulating cables are recommended to protect against freezing or to maintain high temperatures.

Cables FSX/TF can, with the appropriate accessories, be used in an explosive atmosphere.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.



Power output according to pipe temperature



	FSX 15	FSX 30	FSX 45	FSX 60	FSX 75
Dimensions	FSX : 4,5 x 10,5 mm FSX/T - FSX/I : 5 x 11,5 mm FSX/TF : 6 x 13 mm				
Power at 10°C	15 W/m	30 W/m	45 W/m	60 W/m	75 W/m
Permissible surface temperature	Unenergized circuit : + 225°C				
Max. circuit Length	154 m	108 m	88 m	76 m	52 m
Temperature class	T3 (200°C)			T2 (300°C)	
Ingress protection code	IP54 with our kits				
Min. bending radius	6 x the thickness of cable				

ATEX certificate: CML 20ATEX3203 pour FSX/TF
IECEx certificate: CML 20.0129 pour FSX/TF

Use

Consult the pages of the catalogue devoted to the corresponding general operating principles, general instructions for use and accessories.



TO TALK TO OUR EXPERT TEAM,
CALL +44 (0)1483 869 070 OR
EMAIL INDUSTRIAL@HAWCO.CO.UK

