

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 substances may be present.

Applications

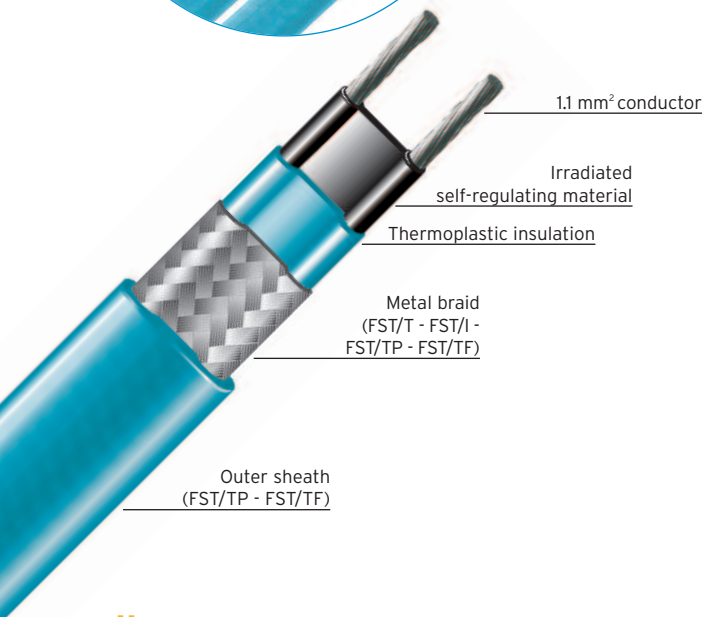
Self-regulating cables of the FST range are used to protect against freezing or to maintain moderate temperatures.

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

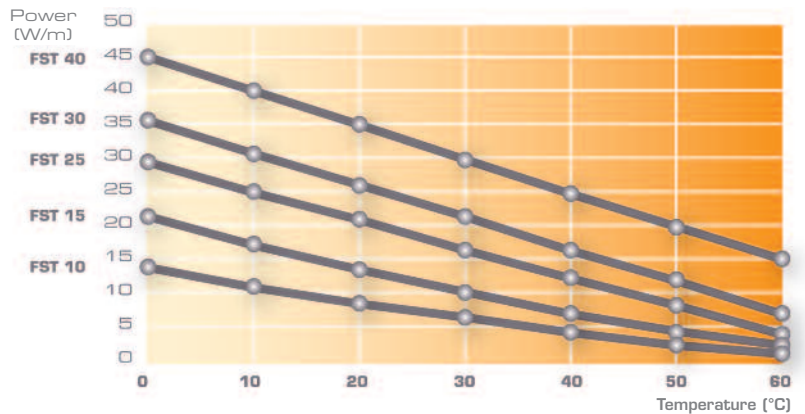
Cable **FST/TP/30** is recommended for protecting against freezing in gutters.

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
Insulation	Thermoplastic				
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	40 W/m
Permissible surface temperature	Unenergized circuit: max. + 85°C Energized circuit: max. + 65°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)

Use

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

ATEX certificate: SIRA N° 03ATEX3312 Ex II 2G

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