TF SBG-T2 25W M/TERMOSTAT

HC SBG-T2 is a self-regulating heating cable developed for effective frost protection of gutters and downspouts. With an operating temperature of up to 80°C, the cable withstands significantly higher loads than most comparable products on the market, which typically max out at 65°C. The cable is UV-resistant for reliable outdoor use year after year, and is supplied by the meter so it can easily be adapted to any roof, gutter, or downspout — without complicated calculations. A robust and flexible choice for residential, commercial, and industrial installations.

PRODUCT FEATURES

- Tanks and containers – frost protection for water tanks, septic tanks, and storage tanks.
- Refrigeration and freezer facilities – temperature maintenance and frost protection of piping in the refrigeration industry.
- Agriculture – frost protection of drinking water lines for livestock, irrigation systems.
- Holiday homes/cabins – frost protection of incoming water and drainage pipes during periods without heating.
- Pump stations and manholes/chambers – frost protection of pipes and equipment in exposed chambers.
- Industrial facilities – general frost protection and temperature maintenance of piping systems in industrial processes.
- Parking garages/drainage channels – frost protection of drains and gutters in exposed areas.

GROUND PROTECTION/RCD/THERMOSTAT

The heating system must be equipped with an RCD with a maximum trip value of 30mA.

The heating system must be installed with an electronic thermostat for energy efficiency and temperature control.

PRODUCT DATA

Voltage	230VAC 50/60Hz
Cable type	Self limiting heating cable with plug
Grounding	Helically wrapped aluminum foil with return conductor
Effect pr. meter (watt pr. running meter)	25W
Bus conductor	Nickel Coated Copper Wire
Cold lead	2m
Max temperature (average)	65°C
Max temperature without load	85°C
Max temperature with load	65°C
Min bend radius (mm)	25mm
Weight per meter (gram)	100g
Ambient temperature range in use	-30 to 65°C
Ambient temperature range in storage (°C)	-30 to 85°C
Min/max installation temperature	-30 to 40°C
Min. and max ambient humidity (RH%)	10 to 85%
Colour	Black
Outer sleeve material	Polyolefin
IP Code	IPX7
Certification	Reach, RoHS
EN Standards	CE
Warranty in Norway	5 years
Warranty international	2 years
Product height/diameter	5.8mm
Product Width	10.5mm

Product Overview

Art no.	Product	Total effect	Length	
10 112 00	TF SBG-T2 25W/5m 125W w/thermostat	125W	5 meter	
10 112 01	TF SBG-T2 25W/10m 250W w/thermostat	250W	10 meter	
10 112 10	TF SBG-T2 25W/15m 375W w/thermostat	375W	15 meter	
10 112 25	TF SBG-T2 25W/20m 500W w/thermostat	W	20 meter	
10 112 26	TF SBG-T2 25W/25m 625W w/thermostat	625W	25 meter	

ADDITIONAL INFORMATION

In the Nordic climate, insulation will not be sufficient for full frost protection of pipes. Tough weather conditions with wind and cold can lead to frozen water pipes, sprinkler systems etc.
Self-limiting heating cables are built up with a temperature-dependent resistance element between two parallel copper conductors. When the self-limiting heating cable is connected to the mains voltage, the current will pass through the temperature-dependent resistance element, which is heated. When the element heats up, the resistance value rises. As a result, power consumption and heat fall again. This is what we call a self-limiting effect. This regulation of the power takes place anywhere on the cable and is adapted to the current ambient temperature.

Self-limiting heating cables have a high starting current depending on length and temperature. Fuses with C-characteristics must therefore always be used.

Special lengths with attached cold lead can be made to order.
The cable can be cut to the desired length.

MAINTENANCE

The product is maintenance-free, but it must always be installed in compliance with the manual. The product should be checked and tested annually.

RETURN AND RECYCLING

The product must be recycled as electric waste.

DISCLAIMER

Prerequisites:
230VAC nominal voltage.
Delayed circuit breakers with (C-type) max load 80%.
Max 10% voltage drop on bus conductors.

The self-limiting heating cable can be cut to the desired length.

We develop and design our products according in accordance with our strict quality requirements (ISO 9001) and environmental requirements (ISO 14001).
All electrical installations must be carried out by an authorized electrical installer. The product must be installed in accordance with our installers manual and national building codes. Any wrongful installation, misuse, damage of the product, is not covered under warranty.

Updated documentation is available at www.heatit.com or documents.heatit.com
Heatit Controls AS can not be held liable for any type of errors or omittances in our product information.
Product specifications may change without further notice.