

HEATIT SBG-T2 25W W/THERMOSTAT

Self-limiting heating cable for frost protection

Heatit SBG-T2 is a self-regulating heating cable with an integrated thermostat, designed for effective frost protection of gutters and downpipes. The cable withstands temperatures up to 80°C, providing a high safety margin compared with many similar products on the market, which are typically rated for temperatures up to 65°C.

The self-regulating technology automatically adjusts the heat output according to the ambient temperature and reduces the output as the temperature rises. The cable is UV-resistant and designed for reliable long-term outdoor use.

Heatit SBG-T2 is supplied in customised lengths with a pre-fitted plug and integrated thermostat. This provides a simple and flexible solution for frost protection of gutters and downpipes in residential, commercial and industrial installations.

The integrated thermostat uses a bimetallic control element and is factory-set with a switching point of 5°C. The thermostat has a hysteresis of 5°C, ensuring stable operation and reducing unnecessary switching.

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.

PRODUCT DATA

Voltage	230VAC 50/60Hz
Cable type	Self limiting heating cable with a grounded Type F plug (CEE 7/7)
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 (PO)
IP Code	IPX7
Certification	Reach, RoHS
EN Standards	CE
Warranty in Norway	5 years
Warranty international	2 years
Product width	10.5mm
Product height-/depth	5.8mm

Product Overview

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

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.

VARMEKABELDATA

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Cold lead	2m	Max temperature (average)	65°C
Max temperature without load	85°C	Max temperature with load	65°C
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DISCLAIMER

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

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.

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