

TF SBG-T BLACK

Self-limiting heating cable - frost protection roofs and gutters

TF SBG-T is a self-limiting heating cable for frost protection of roof gutters and drainage systems, also suitable for frost protection in connection with houses, plants and industrial installations.
The self-limiting heating cable is designed to withstand temperatures up to 80°C.
UV-resistant.

PRODUCT FEATURES

- Frost protection
- Drainage systems
- Roof gutters
- Flat roof

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
Cable type	Self limiting heating cable
Grounding	Helically wrapped aluminum foil with return conductor
Bus conductor	Nickel Coated Copper Wire
Max temperature (average)	65°C
Max temperature without load	80°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)	-35 to 85°C
Min/max installation temperature	-30 to 40°C
Min. and max ambient humidity (RH%)	0 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 length	1000mm
Product width	10.5mm
Product height-/depth	5.8mm
Customs number	85168000

Product Overview

Art no.	Product	Effect per m.	
10 114 50	TF SBG-T Black 15W/m EOL	15W	
10 114 59	TF SBG-T Black 20W/m EOL	20W	
10 114 60	TF SBG-T Black 25W/m EOL	25W	

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.

VARMEKABELDATA

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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.

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.

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Designed in Norway
RoHS Compliant
REACH Compliance
CE

Kabelsnitt / Cable cross section

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Sikring, maks kabellengde / Fuse, max cable length

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TEMPERATUR VED TILKOBLING (°C) TEMPERATURE AT CONNECTION (°C)	NOMINELT BRYTERNIVÅ (A) NOMINALLY BRIDGE LEVEL (A)	MAKS. KABELLENGDE (m) VED 230VAC MAX CABLE LENGTH (m) AT 230VAC	
		TF SBG-T 15W/M	TF SBG-T 25W/M
10°C	16A	106m	78m
	20A	128m	104m
0°C	16A	90m	70m
	20A	108m	92m
-10°C	16A	75m	65m
	20A	90m	80m
-20°C	16A	61m	52m
	20A	78m	74m
-40°C	16A	54m	48m
	20A	70m	62m

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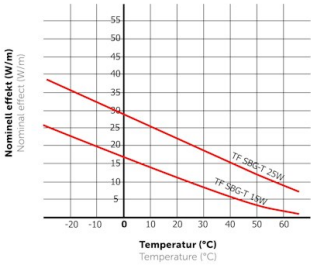
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Effektkurve / Effect curve

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Sikring, maks kabellengde / Fuse, max cable length

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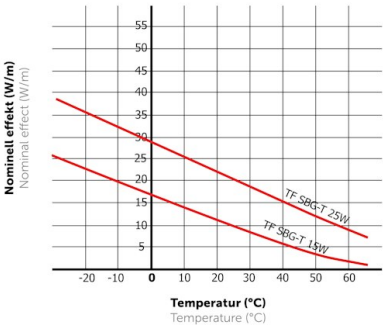
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