



## TF SBG BLACK 3 10W

Self-limiting heating Cable - frost protection water pipes w/plug

TF SBG Black 3 is a food-approved (drinking water-approved) self-limiting heating cable for frost protection of water pipes. The heating cable can be laid on the outside or inside of water pipes.

The cable is PVC-free and UV-resistant.

### PRODUCT FEATURES

- For frost protection of water pipes
- Cottage / holiday home / outbuilding / warehouse / housing
- Supplied with plug
- Wells
- Water pipes

### 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 50Hz
Cable type	Self limiting heating cable with plug
Grounding	Braided, tinned copper wires
Effect pr. meter (watt pr. running meter)	10W
Bus conductor	Nickel Coated Copper Wire
Cold lead	2m
Max temperature without load	85°C
Max temperature with load	65°C
Min bend radius (mm)	25mm
Weight per meter (gram)	86g
Ambient temperature range in use	-30 to 55°C
Ambient temperature range in storage (°C)	-30 to 60°C
Min/max installation temperature	-40 to 30°C
Colour	Black
Outer sleeve material	Fluoropolymer
IP Code	IPX7
Certification	Reach, RoHS
EN Standards	CE
Warranty in Norway	5 years
Warranty international	2 years
Product height/diameter	5.2mm
Product Width	9.4mm
Customs number	85444200



## Product Overview

Art no.	Product	Total effect	Length	
10 112 15	TF SBG Black 3 10W/2m 20W	20W	2 meter	<a href="#">↗</a>
10 112 16	TF SBG Black 3 10W/4m 40W	40W	4 meter	<a href="#">↗</a>
10 112 17	TF SBG Black 3 10W/6m 60W	60W	6 meter	<a href="#">↗</a>
10 112 18	TF SBG Black 3 10W/8m 80W	80W	8 meter	<a href="#">↗</a>
10 112 19	TF SBG Black 3 10W/10m 100W	100W	10 meter	<a href="#">↗</a>
10 112 21	TF SBG Black 3 10W/13m 130W	130W	13 meter	<a href="#">↗</a>
10 112 20	TF SBG Black 3 10W/20m 200W	200W	20 meter	<a href="#">↗</a>
10 112 22	TF SBG Black 3 10W/25m 250W	250W	25 meter	<a href="#">↗</a>

## 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 electronic 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.thermo-floor.no](http://www.thermo-floor.no) and/or [documents.thermo-floor.no](http://documents.thermo-floor.no)

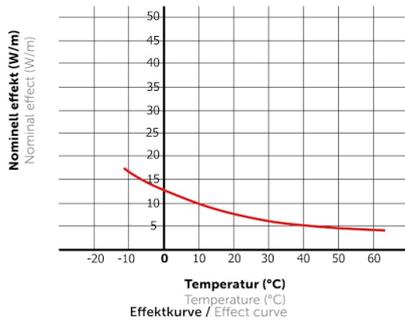
Heatit Controls AS can not be held liable for any type of errors or omissions in our product information.

Product specifications may change without further notice.



Effektkurve / Effect curve

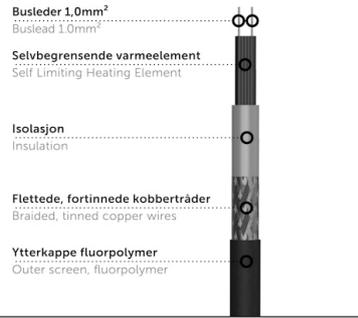
**TF SBG Sort 3**  
TF SBG Black 3



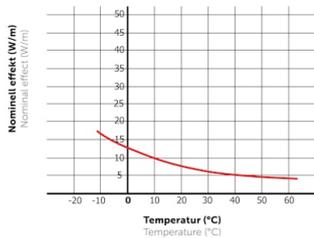
**TF SBG Sort 3**  
TF SBG Black 3

Kabelsnitt / Cable cross section

**TF SBG Sort 3**  
TF SBG Black 3



**ThermaFloor** For mer dokumentasjon scan QR thermo-floor.no  
— smarte varmeplattor — For further documentation scan QR  
Copyright © 2024-2026 ThermaFloor AS. All rights reserved.



**ThermaFloor** For mer dokumentasjon scan QR thermo-floor.no  
— smarte varmeplattor — For further documentation scan QR

**TF SBG Black 3 10W can be ordered from thermo-floor.no**

All additional documentation are available on [documents.heatit.no/10112-02](https://documents.heatit.no/10112-02)

