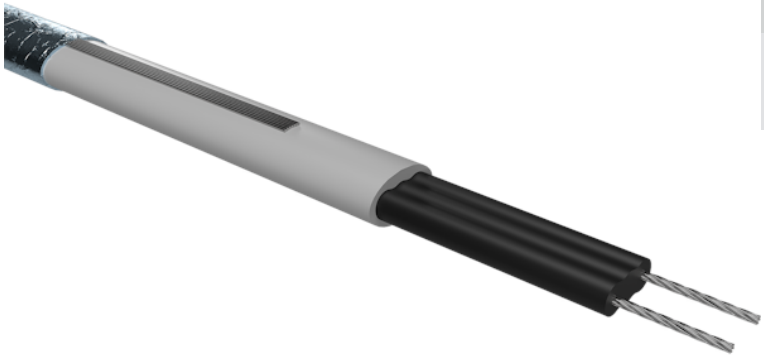


TF SBG-W GREY

Self-limiting heating cable for maintaining water temperature

Self-limiting heating cable for maintaining water temperature. Modern hot water systems require an optimal water temperature every time you turn on the hot water. With the self-limiting heating cable SBG-W, you can get a system that is completely free of maintenance costs while at the same time being energy-saving. The heating cable is used in schools, hospitals, hotels and public buildings. The cable saves water since hot water is maintained in the water pipes, thus reducing both energy consumption and operating costs.

TF SBG-W should be used together with a thermostat that increases the water temperature to 65-70 ° C for thermal disinfection of piping.

PRODUCT FEATURES

- Maintenance of hot water in 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
Cable type	Self limiting heating cable
Grounding	Helically wrapped aluminum foil with return conductor
Bus conductor	Nickel Coated Copper Wire
Max temperature without load	100°C
Max temperature with load	80°C
Min bend radius (mm)	20mm
Weight per meter (gram)	86g
Min/max installation temperature	-20 to 30°C
Colour	Grey
Outer sleeve material	Polyolefin (PO)
IP Code	IPX7
Certification	Reach, RoHS
EN Standards	CE, EN 60079, EN 60529
Warranty in Norway	5 years
Warranty international	2 years
Product length	1000mm
Product width	12.3mm
Product height-/depth	6mm
Customs number	85444200

Product Overview

Art no.	Product	Effect per m.	
10 114 61	TF SBG-W55 Grey 25W/m	25W	
10 114 62	TF SBG-W65 Grey 28W/m	28W	

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

Cable type	Self limiting heating cable	Grounding	Helically wrapped aluminum foil with return conductor
Bus conductor	Nickel Coated Copper Wire	Max temperature without load	100°C
Max temperature with load	80°C	Min bend radius	20mm
Weight per meter	86g		

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.

Heatit Controls AS
Mattisrudsvingen 19, 2827 Hunndalen, Norway
Tel: +47 61 18 77 77 | post@heatit.com
heatit.no | **documents.heatit.no**

Designed in Norway
RoHS Compliant
REACH Compliance
CE

Kabelsnitt / Cable cross section

TF SBG-W Grå

TF SBG-W Gray



Sikring, maks kabellengde / Fuse, max cable length

TF SBG-W Grå

TF SBG-W Gray

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-W 25W/M	TF SBG-W 28W/M
50°C	16A	158m	110m
	20A	225m	137m
	25A	285m	171m
20°C	16A	121m	76m
	20A	150m	95m
	25A	189m	118m
0°C	16A	106m	63m
	20A	130m	78m
	25A	166m	98m
-20°C	16A	96m	54m
	20A	120m	67m
	25A	150m	84m

ThermoFloor — smarte varmeløsninger —

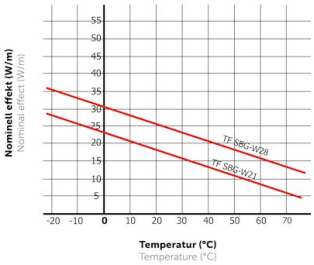
For mer dokumentasjon scan QR
For further documentation scan QR

thermo-floor.no

Effektkurve / Effect curve

TF SBG-W Grå

TF SBG-W Gray



ThermoFloor — smarte varmeløsninger —

For mer dokumentasjon scan QR
For further documentation scan QR

thermo-floor.no

Sikring, maks kabellengde / Fuse, max cable length

TF SBG-W Grå

TF SBG-W Gray

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-W 25W/M	TF SBG-W 28W/M
50°C	16A	158m	110m
	20A	225m	137m
	25A	285m	171m
20°C	16A	121m	76m
	20A	150m	95m
	25A	189m	118m
0°C	16A	106m	63m
	20A	130m	78m
	25A	166m	98m
-20°C	16A	96m	54m
	20A	120m	67m
	25A	150m	84m

Effektkurve / Effect curve

TF SBG-W Grå

TF SBG-W Gray

