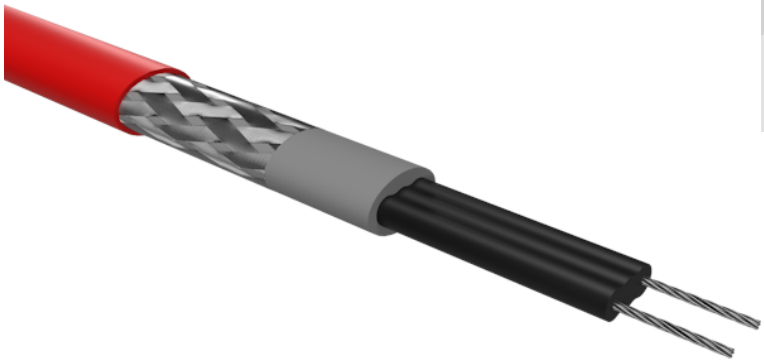


TF SBG-SW RED

Self-limiting heating cable - frost protection drainage and sewage systems

TF SBG-SW is a self-limiting heating cable for use as frost protection for drainage and sewage systems.

The heating cable has a thicker outer sheath than most other self-limiting cables and can therefore withstand being in a "tougher" environment.
TF SBG-SW is ordered by the meter. Maximum length is 89 meters on a 20A course at -10 ° C. A thermostat must always be used to regulate the cable.

PRODUCT FEATURES

- Frost protection
- Drainage pipes, gutters, drainage pipes, sinks for water and drains

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	Braided, tinned copper wires
Bus conductor	Nickel Coated Copper Wire
Max temperature without load	65°C
Max temperature with load	65°C
Min bend radius (mm)	40mm
Weight per meter (gram)	122g
Min/max installation temperature	-30 to 40°C
Colour	Red
Outer sleeve material	Fluorpolymer
IP Code	IPX7
Certification	Reach, RoHS
EN Standards	CE, EN 60079, EN 60529
Warranty Norway	5 years
Warranty international	2 years
Product height/diameter	6.1mm
Product Width	11.2mm
Product length	1000mm
Customs number	85444200

Product Overview

Art no.	Product	Effect per m.	
10 113 90	TF SBG-SW Red 10W/m	10W	
10 113 91	TF SBG-SW 10W/m 3,5m 35W Red EOL	10W	
10 113 96	TF SBG-SW Red 25W/m	25W	
10 113 97	TF SBG-SW 25W/m 3,0m 75W Red 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.

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.

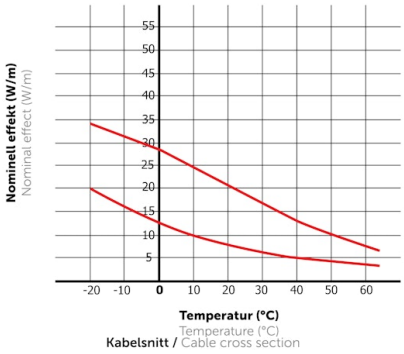
We develop and design our products according in accordance with our strict quality requirements (ISO 9001) and environmental requirements (ISO 14001).
All electrical installations must be carried out by an authorized electrical installer. The product must be installed in accordance with our installers 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 and/or documents.thermo-floor.no
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.

Effektkurve / Effect curve

TF SBG-SW Rød

TF SBG-SW Red



Kabelsnitt / Cable cross section

TF SBG-SW Rød

TF SBG-SW Red

Sikring, maks kabellengde / Fuse, max cable length

TF SBG-SW Rød

TF SBG-SW Red

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-SW 10W	TF SBG-SW 25W
10°C	16A	160m	98m
	20A	180m	105m
0°C	16A	135m	88m
	20A	160m	97m
-10°C	16A	113m	74m
	20A	135m	89m
-20°C	16A	94m	64m
	20A	110m	78m
-40°C	16A	78m	-
	20A	95m	-

Sikring, maks kabellengde / Fuse, max cable length

TF SBG-SW Rød

TF SBG-SW Red

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	
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	20A	135m	89m
-20°C	16A	94m	64m
	20A	110m	78m
-40°C	16A	78m	-
	20A	95m	-

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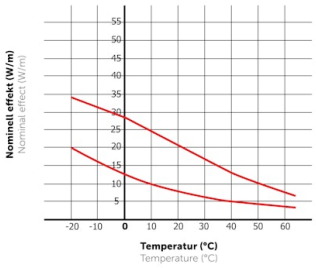
Effektkurve / Effect curve

TF SBG-SW Rød

TF SBG-SW Red



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TF SBG-SW Red can be ordered from thermo-floor.no

All additional documentation are available on **documents.thermo-floor.no/10113-07**