

TF SBG-BR BLACK 34W/M

Self-limiting heating cable for frost protection of cast constructions outdoors

Art.no	1011395
GTIN	7071236009344

TF SBG-BR is a self-limiting heating cable for use in concrete structures both outdoors and indoors.

PRODUCT FEATURES

- Walkways and driveways
- Underneath loading dock doors
- For use in concrete structuresSteps and landings

PRODUCT INFO 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
Effect pr. meter (watt pr. running meter)	34W
Bus conductor	Nickel Coated Copper Wire
Max temperature without load	100°C
Max temperature with load	85°C
Min bend radius (mm)	35mm
Weight per meter (gram)	73g
Min/max installation temperature	-30 to 40°C
Colour	Black
Outer sleeve material	Polyolefin (PO)
IP Code	IPX7
Certification	Reach, RoHS
EN Standards	EN 60079, EN 60529
Warranty international	2 years
Customs number	85168000

PRODUCT DIMENSIONS

Product length	1000mm	Product Width	13.5mm
Product height/diameter	6.2mm	Product net weight	122g

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.

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.

RETURN AND RECYCLING

The product must be recycled as electric waste.

HEATIT CABLE DATA

Cable type	Self limiting heating cable	Grounding	Braided, tinned copper wires
Effect pr. meter (watt pr. running meter)	34W	Bus conductor	Nickel Coated Copper Wire
Max temperature without load	100°C	Max temperature with load	85°C
Min bend radius	35mm	Weight per meter	73g

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.com | **documents.heatit.com**

Designed in Norway
RoHS Compliant
REACH Compliance
CE

Kabelsnitt / Cable cross section

TF SBG-BR Sort

TF SBG-BR Black



Sikring, maks kabellengde / Fuse, max cable length

TF SBG-BR Sort

TF SBG-BR Black

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-BR 34W
10°C	16A	50m
	20A	70m
0°C	16A	45m
	20A	60m
-10°C	16A	40m
	20A	50m
-20°C	16A	35m
	20A	45m
-40°C	16A	30m
	20A	35m

ThermoFloor — smarte varmeløsninger —

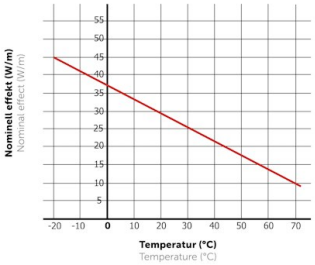
For mer dokumentasjon scan QR
For further documentation scan QR

thermo-floor.no

Effektkurve / Effect curve

TF SBG-BR Sort

TF SBG-BR Black



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-BR Sort

TF SBG-BR Black

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-BR 34W
10°C	16A	50m
	20A	70m
0°C	16A	45m
	20A	60m
-10°C	16A	40m
	20A	50m
-20°C	16A	35m
	20A	45m
-40°C	16A	30m
	20A	35m

Effektkurve / Effect curve

TF SBG-BR Sort

TF SBG-BR Black

