



**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 DATA**

Colour	Black
Outer sleeve material	Polyolefin
Min/max installation temperature	-30 to 40°C

**STANDARDS**

Certification	RoHS, Reach
EN Standards	EN 60079, EN 60529
IP Code	IPX7

**WARRANTY**

Warranty international	2 years
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**ELECTRO TECHNICAL DATA**

Voltage	230VAC
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## PRODUCT DIMENSIONS

Product height/diameter	6.2mm	Product Width	13.5mm
Product length	1000mm	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

Self-limiting heating cables are built up with a temperature-dependent resistance element between two parallel copper conductors. When the SBG 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-regulating heating cables have a high starting current depending on length and temperature. Fuses with C-characteristics must therefore always be used. 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, fire pipes, sprinkler systems, etc.

Special lengths with attached cold lead can be made to order.  
The cable can be cut to the desired length.

## PRODUCT INFO 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](http://www.thermo-floor.no) and/or [documents.thermo-floor.no](http://documents.thermo-floor.no)  
Thermo-Floor AS can not be held liable for any type of errors or omissions in our product information.  
Product specifications may change without further notice.



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	

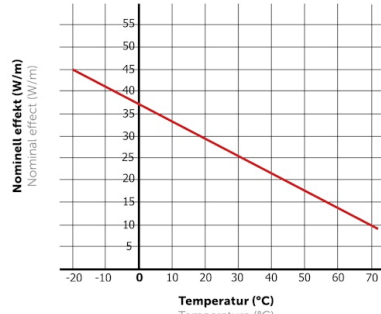
Kabelsnitt / Cable cross section

**TF SBG-BR Sort**  
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Effektkurve / Effect curve

**TF SBG-BR Sort**  
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Sikring, maks kabellengde / Fuse, max cable length

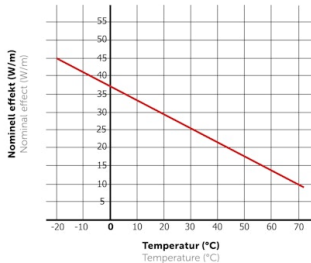
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Effektkurve / Effect curve

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**TF SBG-BR Black 34W/m can be ordered from  
[www.thermo-floor.no/1011395](http://www.thermo-floor.no/1011395)**

All additional documentation are available on the above adress and on [documents.thermo-floor.no/1011395](http://documents.thermo-floor.no/1011395)

