



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 |
| IP Code | IPX7 |
| Certification | Reach, RoHS |
| EN Standards | CE, EN 60079, EN 60529 |
| Warranty Norway | 5 years |
| Warranty international | 2 years |
| Product height/diameter | 6mm |
| Product Width | 12.3mm |
| Product length | 1000mm |
| 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.

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 omissions in our product information.

Product specifications may change without further notice.



Sikring, maks kabellengde / Fuse, max cable length

TF SBG-W Grå

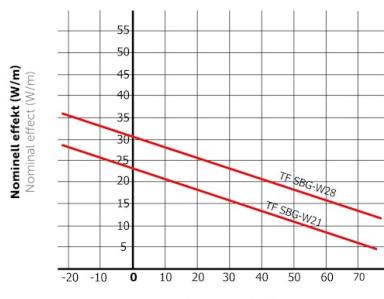
TF SBG-W Gray

| TEMPERATUR VED TILKOBLING (°C) TEMPERATURE AT CONNECTION (°C) | NOMINELL 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

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Kabelsnitt / Cable cross section

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For mer dokumentasjon scan QR



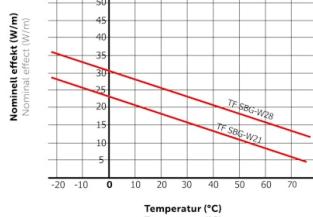
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TF SBG-W Grey can be ordered from thermo-floor.noAll additional documentation are available on documents.heatit.no/10114-02