

# DEVlceguard™ 18 (B) Drum Goods

**DEVI**   
by Danfoss

 Make it easy,  
make it DEVI


The DEVlceguard™ is a self-limiting parallel heating cable that is used for ice

and snow melting on roofs and in gutters and downpipes. DEVlceguard™ heating cables should not be in direct contact with bitumen roofs. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature. The heating cable is flexible and easy to install as it can be cut to length at site and installed directly on to the roof and gutter

system. All self-limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero, and be protected by a RCD with a maximum trip current of 30 mA.

\*An EPD is a document used to communicate transparently, the quantified environmental impacts of a product over its life cycle stages.

## Benefits:

- Easy to install
- Cut to length on site

## Standard compliance:

- EN 62395-1: 2013

## Compliance symbols:

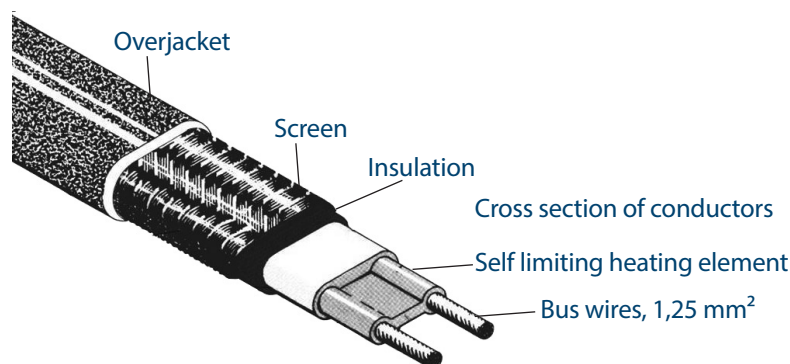


Type	Value
Nominal voltage	230 V AC
Nominal output	18 W/m @ 0 °C
Output tolerance (min-max)	15,4-23,1 W/m @ 10 °C
Maximum permissible use temperature	65 °C, powered 85 °C, unpowered
Minimum installation temperature	-5 °C
Cable dimensions	11,8 mm x 5,8 mm (+/- 0,4 mm)
Outer sheath	UV protected, black TPE
Screen	Tinned copper braid, 1,25 mm <sup>2</sup>
Minimum braid coverage	80%
Maximum resistance protective braid	14,8 Ω/Km
Bending Ø, min.	50 mm (Ø to the inside of the cable)
IP Class	IPX7

## Types: DEVlceguard™ 18 (B) Drum Goods

Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 0 °C	EAN no.
98300810	Drum, 100 m	100 m	1	18 W/m	5703466177198
98300809	Drum, 300 m	300 m	1	18 W/m	5703435005576
140F8512	Drum, 800 m	800 m	1	18 W/m	5703466096581
140F8513	Cut-to-length	1 - 800 m	1, max. 800 m	18 W/m	5703466193372

## Construction



- Nickel plated copper bus wires
- Radiation Cross-Linked Semiconductive Heating Matrix
- Radiation Cross-Linked Primary Dielectric Insulation
- Tinned copper braid
- Polyolefin over jacket

**Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic**

Switch on temperature	Power W/m	DEVliceguard™ 18 (B)				
		10 A	16 A	20 A	25 A	32 A
30 °C	10,6	142	165	165	165	165
20 °C	12,8	119	165	165	165	165
10 °C	15,0	102	164	165	165	165
0 °C	17,2	90	144	165	165	165
0 °C ice water	22,0	64	85	97	97	97
-10 °C	19,5	80	128	160	165	165
-20 °C	21,7	72	115	144	165	165
-30 °C	23,9	66	105	131	164	165

**Power output characteristic**

Output of heating cable installed and measured on a pipe.

