

DEVlceguard™ 18 (T) Drum Goods



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, the circuit must be protected by a RCD with a maximum trip current of 30 mA.

Benefits:

- Easy to install
- Cut to length on site

Standard compliance:

- EN 62395-1: 2013

Compliance symbols:

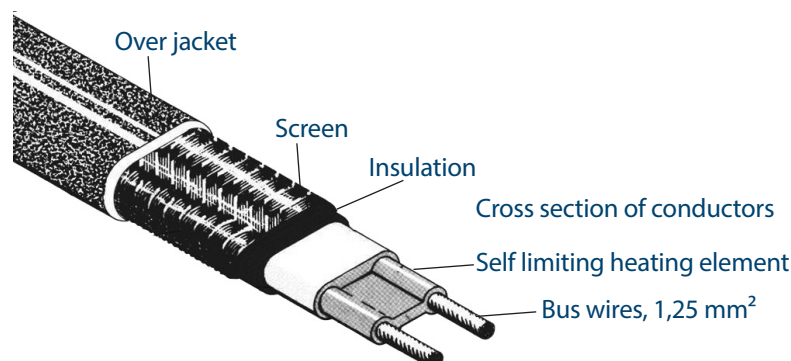


Type	Value
Nominal voltage	230 V AC
Nominal output	20 W/m @ 0 °C (18 W/m @ 10 °C)
Output tolerance (min-max)	19,6 - 26,3 W/m @ 10 °C
Maximum permissible use temperature	65 °C, powered 85 °C, unpowered
Minimum installation temperature	-5 °C
Cable dimensions	11,3 × 5,8 mm
Outer sheath	Black UV protected, TPE
Screen	Tinned copper braid, 1,3 mm ²
Minimum braid coverage	80%
Maximum resistance protective braid	14,8 Ω/Km
Bending Ø, min.	64 mm (Ø to the inside of the cable)
IP Class	IPX7

Types: DEVlceguard™ 18 Drum Goods

Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 10 °C	EAN no.
98300860	Drum, 100 m	100 m	1	18 W/m	5703466213483
98300861	Drum, 250 m	250 m	1	18 W/m	5703466213490
98300862	Drum, 750 m	750-787,5 m	1	18 W/m	5703466213506
140F8511	Cut-to-length	1 - 750 m	1, max. 750 m	18 W/m	5703466213926

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 (T)				
		10 A	16 A	20 A	25 A	32 A
10 °C	18	51	82	103	129	129
0 °C ice water	38	38	60	75	94	95
-10 °C	43	34	54	68	85	95
-20 °C	49	30	50	60	75	95
-30 °C	54	27	44	55	69	88
-40 °C	60	25	40	50	62	80

Power output characteristic

Output of heating cable installed and measured on a pipe.

