

DEVlceguard™ 18 (T) Ready-made

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.

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.

Benefits:

- Easy to install
- Cut to length on site
- Ready-made lengths

Standard compliance:

- SS 424 24 11: 1992
- EN/IEC 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
Cold lead	5 m DTCL, 3G 1,5mm ²
Bending Ø, min.	64 mm (Ø to the inside of the cable)
IP Class	IPX7

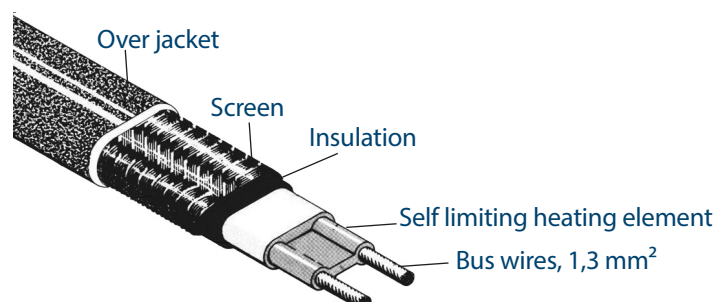


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Types: DEVlceguard™ 18 (T) Ready-made

Item no.	Length	Nominal output @ 10 °C	Cold lead	EAN no.
98300835	2 m	36 W	5 m	5703466202678
98300836	4 m	72 W	5 m	5703466202685
98300837	6 m	108 W	5 m	5703466202692
98300838	8 m	144 W	5 m	5703466202708
98300839	10 m	180 W	5 m	5703466202715
98300840	15 m	270 W	5 m	5703466202722
98300841	23 m	414 W	5 m	5703466202739
98300842	30 m	540 W	5 m	5703466202746
98300843	50 m	900 W	5 m	5703466202753

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.

