



DEVlceguard™ 18 (T) Ready-made

COMING SOON

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 4242411

Approvals:

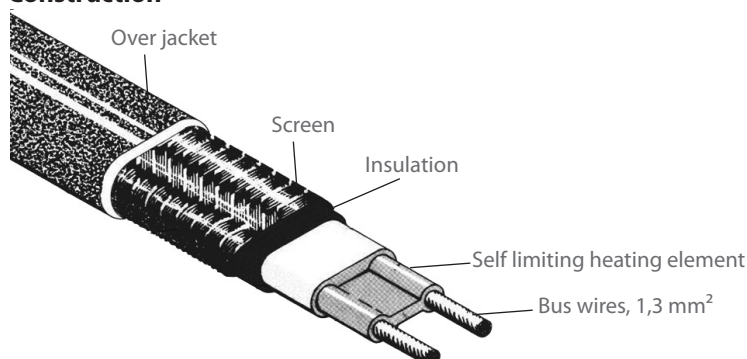


| Type | Value |
|-------------------------------------|--|
| Nominal voltage | 230 V AC |
| Nominal output | 20 W/m @ 0 °C (18 W/m @ 10 °C) |
| Output tolerance (min-max) | 19,6 - 26,3 W/m @ 10 °C |
| Maximum permissible use temperature | 65 °C, powered 85 °C, unpowered |
| Minimum installation temperature | -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 |

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.

