

# DEVipeguard™ 33



The DEVipeguard™ is a self-limiting heating cable that is mainly used for frost protection of pipes. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature. The cable will maintain its functionality even when shortened.

The polyolefin outer sheath is highly resistant to harsh environmental conditions and corrosion and it also serves as a protection against mechanical influences.

### Benefits:

- Cut to length on site
- PVC free

### Standard compliance:

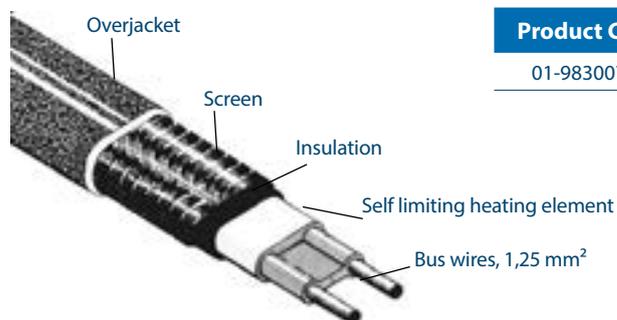
- DIN VDE 0254: 1994-06

### Approvals:



Type	Value
Operational voltage	230 V AC
Output (min-max): DEVipeguard™ 33	33 W/m @ 10 °C (30-39 W/m @ 10 °C)
Maximum permissible use temperature	65 °C, powered 85 °C, unpowered (1000 hours cumulative)
Minimum installation temperature	-5 °C
Cable dimensions	11,8 mm x 5,8 mm (+/- 0,4 mm)
Outer sheath: DEVipeguard™ 33	Brown, TPE
Screen	Tinned copper braid, 1,25 mm <sup>2</sup>
Minimum braid coverage	70%
Maximum resistance protective braid	18,2 Ω/Km
Bending Ø, min.	50 mm (Ø to the inside of the cable)
IP Class	IPX7

### Construction



Product Code	Nominal output @ 10 °C	Unit
01-98300764	33 W/m	Per Meter

- 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	DEVipeguard™ 33				
		10 A	16 A	20 A	25 A	32 A
30 °C	24,5	50	81	97	97	97
20 °C	28,7	43	69	86	97	97
10 °C	33	38	61	76	95	97
0 °C	37,3	34	54	67	84	97
-10 °C	41,5	30	49	61	76	97
-20 °C	45,8	28	44	55	69	88
-30 °C	50,1	25	41	51	63	81

### Power output characteristic

Output of heating cable installed and measured on a pipe.

