

# DEVipeguard™ (B) 10/25/33

**DEVI**   
by Danfoss

 Make it easy,  
make it DEVI

 Product  
is covered  
by **EPD\***


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

limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero. The cables are not approved for use in drinking water.

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

## Benefits:

- Cut to length on site
- PVC free

## Standard compliance:

- DIN VDE 0254: 1994-06

## Compliance symbols:



Type	Value
Nominal voltage	230 V AC
Nominal output (min-max): DEVipeguard™ 10 DEVipeguard™ 25 DEVipeguard™ 33	10 W/m @ 10 °C (10-15 W/m @ 10 °C) 25 W/m @ 10 °C (25-32,5 W/m @ 10 °C) 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™ 10 DEVipeguard™ 25 DEVipeguard™ 33	Blue, TPE Red, TPE 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

## Types: DEVipeguard™ 10


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Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 10 °C	EAN no.
98300708	Drum, 100 m	100 m	1	10 W/m	5703466177174
98300700	Drum, 300 m	300 m	1	10 W/m	5703435005552
98300707	Drum, 800 m	800 m	1	10 W/m	5703466096598
140F8504	Cut-to-length	1 - 800 m	1, max. 800 m	10 W/m	5703466193358

## Types: DEVipeguard™ 25

Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 10 °C	EAN no.
98300761	Drum, 100 m	100 m	1	25 W/m	5703466177181
98300759	Drum, 300 m	300 m	1	25 W/m	5703435005569
140F8503	Drum, 800 m	800 m	1	25 W/m	5703466096604
140F8505	Cut-to-length	1 - 800 m	1, max. 800 m	25 W/m	5703466193365

## Types: DEVipeguard™ 33

Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 10 °C	EAN no.
98300764	305 m, drum	305 m	1	33 W/m	5703466196120
140F8506	Cut-to-length	1 - 305 m	1, max. 305 m	33 W/m	5703466193341

RCD of 30 mA is required, max. 500 m of self-limiting heating cable per RCD.

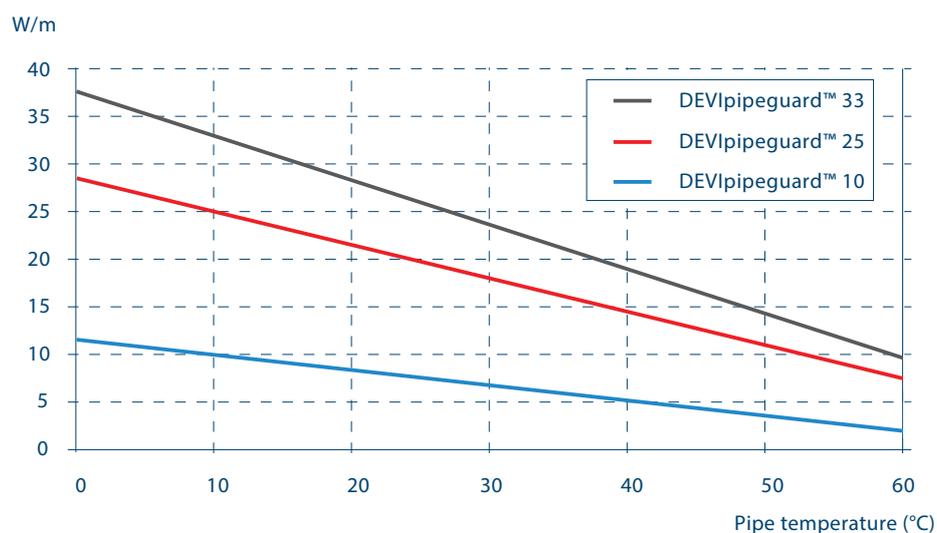
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## Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

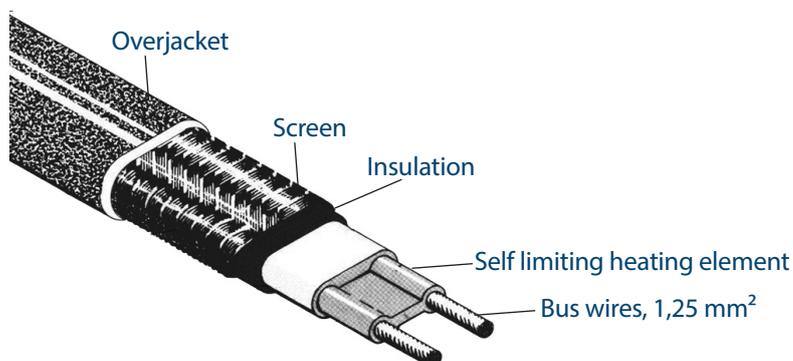
Switch on temperature	Power W/m	DEVipeguard™ 10					Power W/m	DEVipeguard™ 25					Power W/m	DEVipeguard™ 33				
		10 A	16 A	20 A	25 A	32 A		10 A	16 A	20 A	25 A	32 A		10 A	16 A	20 A	25 A	32 A
30 °C	7	198	202	202	202	202	17,9	80	128	128	128	128	24,5	50	81	97	97	97
20 °C	8	167	202	202	202	202	21,5	69	110	128	128	128	28,7	43	69	86	97	97
10 °C	10	144	202	202	202	202	25	60	96	120	128	128	33	38	61	76	95	97
0 °C	12	126	202	202	202	202	28,5	53	86	107	128	128	37,3	34	54	67	84	97
-10 °C	13	113	180	202	202	202	32,1	48	77	96	120	128	41,5	30	49	61	76	97
-20 °C	15	102	163	202	202	202	35,6	44	70	87	109	128	45,8	28	44	55	69	88
-30 °C	17	93	148	185	202	202	39,1	40	64	80	100	128	50,1	25	41	51	63	81

## Power output characteristic

Output of heating cable installed and measured on a pipe.



## Construction



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