

DEVipeguard™ LSZH 10/25/33

DEVI 
by Danfoss

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The DEVipeguard™ LSZH is a halogen free 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.

Benefits:

- Cut to length on site
- PVC free
- Halogen free

Standard compliance:

- EN 62395-1: 2013
- EN 60754-3: 2019
- EN 60754-2: 2014
- EN 61034-2:2005/A1:2013

Compliance symbols:



Type	Value
Nominal voltage	230 V AC
Nominal output (min-max): DEVipeguard™ 10 LSZH DEVipeguard™ 25 LSZH DEVipeguard™ 33 LSZH	10 W/m @ 10 °C (9,8-14,7 W/m @ 10 °C) 25 W/m @ 10 °C (23,6-32,8 W/m @ 10 °C) 33 W/m @ 10 °C (32,0-39,7 W/m @ 10 °C)
Light transmittance	>60 %
Maximum permissible use temperature	65 °C, powered 85 °C, unpowered
Minimum installation temperature	-5 °C
Cable dimensions	13,6 × 5,8 mm
Outer sheath: DEVipeguard™ 10 LSZH DEVipeguard™ 25 LSZH DEVipeguard™ 33 LSZH	Blue, TPE Red, TPE Grey, TPE
Screen	Tinned copper braid, 1,25 mm ²
Minimum braid coverage	70%
Maximum resistance protective braid	18,2 Ω/Km
Bending Ø, min.	64 mm (Ø to the inside of the tape)
IP Class	IPX7

Types: DEVipeguard™ 10 LSZH

Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 10 °C	EAN no.
98301063	Drum, 100 m	100 m	1	10 W/m	5703466249604
98301064	Drum, 250 m	250 m	1	10 W/m	5703466249611
98301065	Drum, 750 m	750-787,5 m	1	10 W/m	5703466249628
98301071	Cut-to-length	1 - 750 m	1, max. 750 m	10 W/m	5703466249697

Types: DEVipeguard™ 25 LSZH

Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 10 °C	EAN no.
98301066	Drum, 100 m	100 m	1	25 W/m	5703466249635
98301067	Drum, 250 m	250 m	1	25 W/m	5703466249642
98301068	Drum, 750 m	750-787,5 m	1	25 W/m	5703466249659
98301072	Cut-to-length	1 - 750 m	1, max. 750 m	25 W/m	5703466249703

Types: DEVipeguard™ 33 LSZH

Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 10 °C	EAN no.
98301069	Drum, 250 m	250 m	1	33 W/m	5703466249666
98301073	Cut-to-length	1 - 250 m	1, max. 250 m	33 W/m	5703466249710

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

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

Switch on temperature	Power W/m	DEVipeguard™ 10 LSZH					Power W/m	DEVipeguard™ 25 LSZH					Power W/m	DEVipeguard™ 33 LSZH				
		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
10 °C	10	119	191	226	226	226	25	58	93	116	146	146	33	42	77	98	120	120
0 °C	11,7	119	191	226	226	226	28,6	58	93	116	146	146	37,5	36	75	96	117	120
-10 °C	13,3	110	176	220	226	226	32,3	52	84	105	131	146	42	32	67	85	104	119
-20 °C	15	97	156	195	226	226	35,9	46	78	93	122	146	46,5	28	59	75	92	118
-30 °C	16,7	87	140	175	219	226	39,5	42	67	84	105	134	51	25	53	68	83	107
-40 °C	18,3	80	127	159	199	226	43,1	38	64	76	100	128	55,5	23	48	61	75	96
-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.

