

DEVipeeguard™ 30/60 Industry



DEVipeeguard™ Industry is a self-limiting heating cable that is mainly used for frost protection of pipes and for temperature maintenance in applications up to 120 °C powered or 190 °C unpowered cable. The cable allows steam cleaning in pipes. The heating element, the insulation and the outer jacket of

DEVipeeguard™ Industry are made of fluoropolymers. Fluoropolymer outer jacket offers increased protection against chemicals (oil and fuel) and abrasion. A temperature-dependent resistance element between two parallel-guided copper conductors regulates and limits the heat output of the heating cable. This power setting takes place at every point of the heating cable, according to the ambient temperature prevailing there. If the temperature rises, the power of the cable is reduced. This self-limiting prevents overheating of the cable, even if it is overlaid. The heating cable can be

cut off at desired length by the parallel current supply. This simplifies planning and installation.

All self-limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero. The installation of a thermostat is recommended.

The cable is not approved for use in drinking water.

Benefits:

- Cut to length on site
- PVC free
- UV stable

Standard compliance:

- VDE E 0254: 94

Compliance symbols:

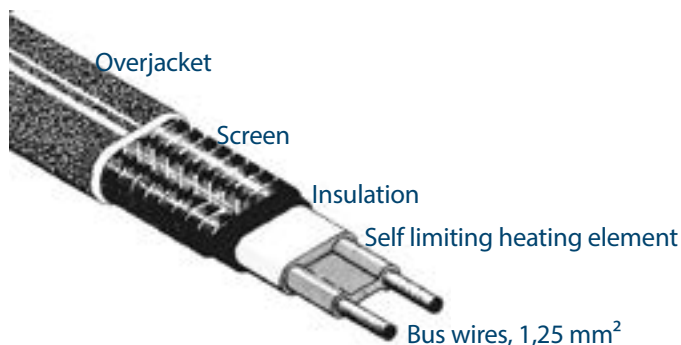


Type	Value
Nominal voltage	230 V AC (max. 254 V AC)
Nominal output (min-max): DEVipeeguard™ 30 Industry DEVipeeguard™ 60 Industry	30 W/m @ 10 °C (30-39 W/m @ 10 °C) 60 W/m @ 10 °C (54-72 W/m @ 10 °C)
Maximum permissible use temperature	120 °C, powered 190 °C, unpowered
Minimum installation temperature	-5 °C
Minimum switched on temperature	-60 °C
Cable dimensions	10,2 x 4,8 mm
Outer sheath	Red, Fluoropolymer
Minimum braid coverage	70 %
Maximum resistance protective braid	18,2 Ω/Km
Bending Ø, min.	50 mm (Ø to the inside of the tape)
IP Class	IPX7

Types:

Product Code .	Product Name	Length
00109027	DEVipee guard 60 Industry	Cut-to-length
00109025	DEVipeeguard 30 Industry	Cut-to-length

Construction



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

DEVipeguard™ 30/60 Industry

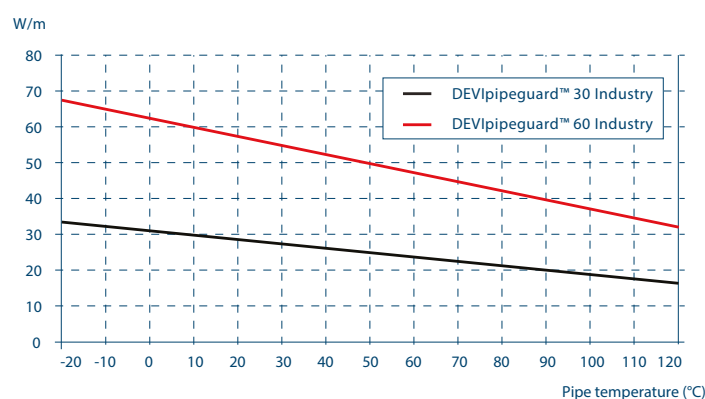


Maximum heating circuit length on a pipe, with circuit breaker with C-characteristic

Switch on temperature	Power W/m	DEVipeguard™ 30 Industry					Power W/m	DEVipeguard™ 60 Industry				
		10 A	16 A	20 A	25 A	32 A		10 A	16 A	20 A	25 A	32 A
30 °C	25,5	65	104	130	133	133	52,4	36	58	73	75	75
20 °C	27,7	61	98	122	133	133	56,2	34	55	69	75	75
10 °C	30,0	58	92	115	133	133	60,0	32	52	65	75	75
0 °C	32,3	54	87	109	133	133	63,8	31	49	61	75	75
-10 °C	34,5	52	83	103	129	133	67,6	29	47	58	73	75
-20 °C	36,8	49	79	98	123	133	71,4	28	45	56	70	75
-30 °C	39,0	47	75	94	117	133	75,2	27	43	53	67	75

Power output characteristic

Output of heating cable installed and measured on a pipe.



Accessories

Item no.	Type	Description	Image
01-00109007	Connection kit for DEVipeguard 30/60 Industry (PT-30/60) heating cables	With clamping block for the connection of cold lead and heating cable, shrink end-cap, shrink tubes, bitumen gaskets and ferrules.	
01-00109026	Connection kit for DEVipeguard 30/60 Industry (PT-30/60) heating cables	For mounting in connection box with screw connections. With cable gland M20x1,5 with locknut, shrink end-cap, shrink tubes, bitumen gasket and ferrules.	
01-19400167	Polyester box ABCS for DEViceguard™ and DEVipeguard™	For SLC (DEViceguard, DEVipeguard)	
01-19405851	Bracket	Fitting for connection of housing (19400167) to pipes	
01-11010410	Insulation introduction	With mounting plate M20 60x60x1 mm AISI304; Cable gland U17 M20x1,5; Cable gland M25	
01-19805076	Tape aluminium 38 mm x 50 m	Self-adhesive, with 2-colour warning label, max. 75 °C	