DEVIhotwatt™ 45 (B) / 55 (B) / 70 (B)

Product is covered by EPD*

The DEVIhotwatt™ is a self-limiting heating cable that is used for temperature maintenance of hot water supply and other fluids that need to maintain a certain temperature.
The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature.
DEVIhotwatt™ ensures hot water in all taps and savings when circulation of the whole pipe system is unnecessary. 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.
The cable is 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
- Black version is UV protected
- PVC free

Standard compliance:

- DIN VDE 0254: 1994-06

Compliance symbols:

UA.TR.089

5 YEAR WARRANTY Product

Type	Value
Nominal voltage	230 V AC
Nominal output (min-max) : DEVIhotwatt™ 45 DEVIhotwatt™ 55 DEVIhotwatt™ 70	 7 W/m @ 45 °C (6,5-9,5 W/m @ 45 °C) 9 W/m @ 55 °C (8,5-13,0 W/m @ 55 °C) 12 W/m @ 70 °C (11,3-15,2 W/m @ 70 °C)
Outer sheath: DEVIhotwatt™ 45 DEVIhotwatt™ 55 DEVIhotwatt™ 70	 Black, TPE Green, TPE Red, TPE
Maximum permissible use temperature	80 °C, powered 100 °C, unpowered
Minimum installation temperature	-5 °C
Cable dimensions	11,8 mm × 5,8 mm
Screen	Tinned copper braid, 1,25 mm^2
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: DEVIhotwatt™ 45 (B)

Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 45 °C	EAN no.
98300955	Drum, 300 m	300 m	1	7 W/m	5703466109144
140F8508	Cut-to-length	1 - 300 m	1, max. 300 m	7 W/m	5703466195925

Types: DEVIhotwatt™ 55 (B)

Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 55 °C	EAN no.
98300958	Drum, 100 m	100 m	1	9 W/m	5703466177204
98300957	Drum, 300 m	300 m	1	9 W/m	5703435005613
140F8509	Cut-to-length	1 - 300 m	1, max. 300 m	9 W/m	5703466193389

Types: DEVIhotwatt™ 70 (B)

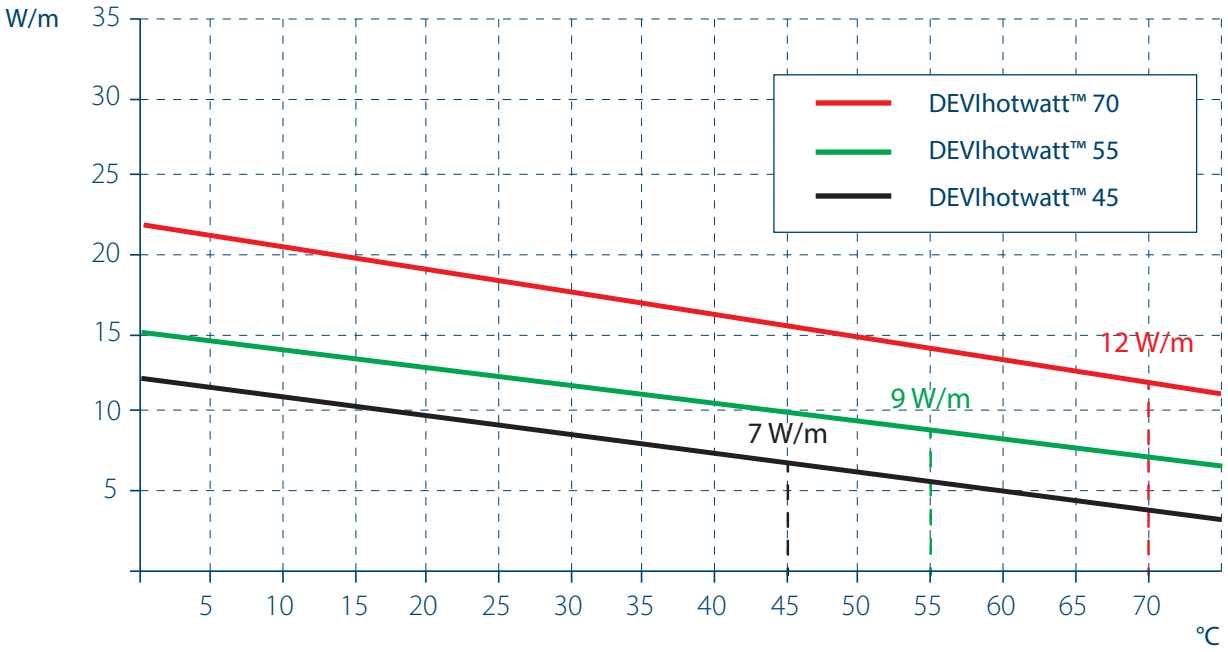
Item no.	Length	Min-max length per drum	Number of length allowed on drum, max	Nominal output @ 70 °C	EAN no.
140F8507	Drum, 300 m	300 m	1	12 W/m	5703466109151
140F8510	Cut-to-length	1 - 300 m	1, max. 300 m	12 W/m	5703466193396

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

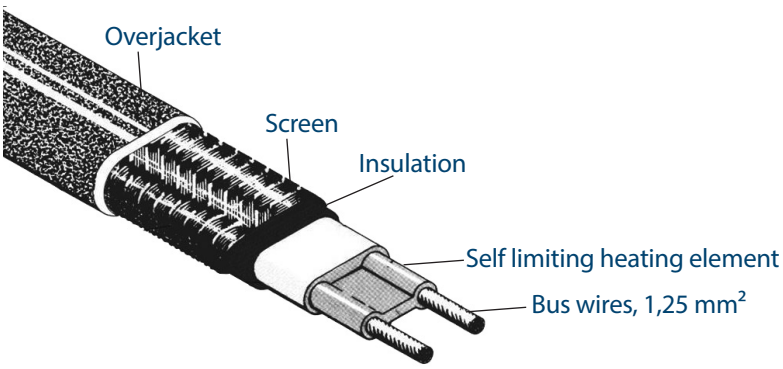
Switch on temperature	Power W/m	DEVIhotwatt™ 45					Power W/m	DEVIhotwatt™ 55					Power W/m	DEVIhotwatt™ 70				
		10 A	16 A	20 A	25 A	32 A		10 A	16 A	20 A	25 A	32 A		10 A	16 A	20 A	25 A	32 A
20 °C	**10,3**	153	231	231	231	231	**12,5**	108	173	188	188	188	**19,5**	99	146	146	146	146
10 °C	**11,6**	144	230	231	231	231	**13,5**	102	164	188	188	188	**21**	71	113	142	146	146
-10 °C	**14,3**	129	203	231	231	231	**15,5**	93	148	185	188	188	**24**	45	72	90	113	143
-25 °C	**16,3**	119	191	231	231	231	**17**	86	138	173	188	188	**26,3**	37	64	80	103	133

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