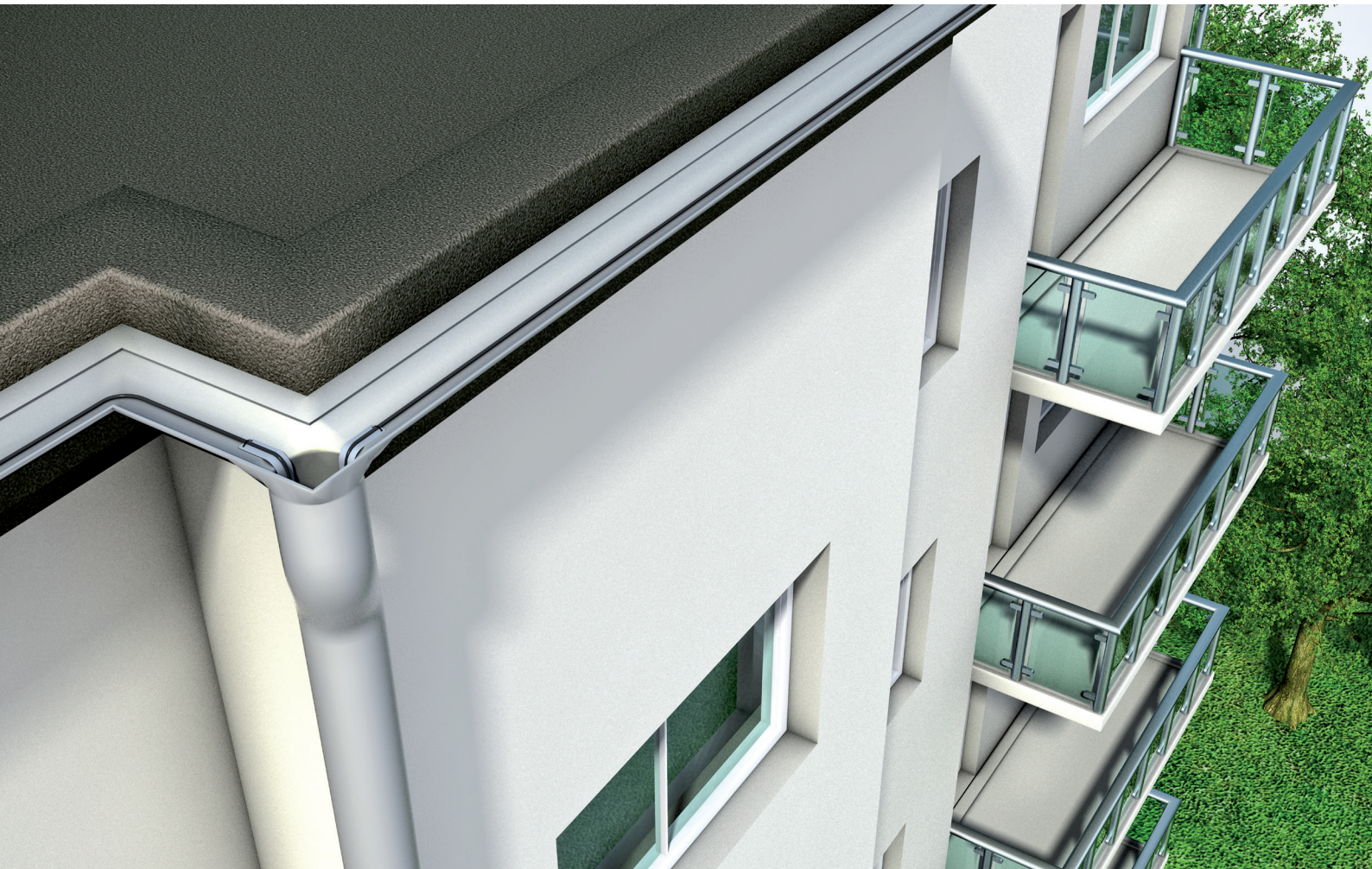




Saves Your Energy

Ensto Optiheat Self-regulating frost protection cables



By means of self-regulating heating cables it is easy to plan and realize functional frost protection solutions. Typical applications of the frost-protection cables include keeping rainwater drainage systems, roofs, stairways, ramps and other outdoor areas from freezing.



Ensto Optiheat

Self-regulating frost protection cables

Water and drain pipes

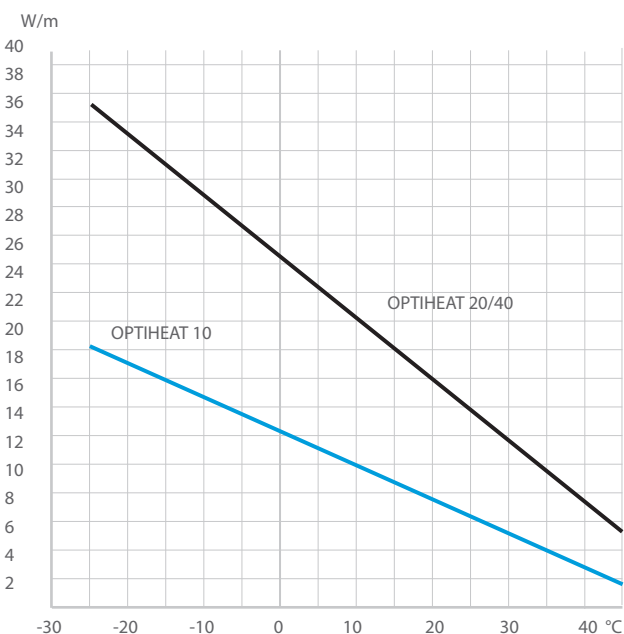
Typical application for frost protection cables are water and drain pipes. Ensto Optiheat 10 can be used inside and outside of pipe and also in drinking water pipe.

Rainwater drainage systems

Frost-protection cables increase the security and comfort of living by keeping rainwater drainage systems, roofs and stairways from freezing.

Frost protection of particularly demanding areas

Optiheat RAMP is intended for demanding frost-protection applications, such as driving ramps, helipads, and other frost-protection needs requiring large capacity.



Change of Optiheat 10 and Optiheat 20/40 heating power output when the surrounding temperature changes. Optiheat RAMP is ~50 W/m/10 °C (110 W/m in concrete 5°C)

Maximum installation lengths

	10 A	16 A	32 A
OPTIHEAT 10			
On pipe surface +10 °C	74 m	89 m	-
On pipe surface ±0 °C	61 m	89 m	-
On pipe surface -30 °C	61 m	89 m	-
OPTIHEAT 20/40			
On pipe surface +10 °C	68 m	109 m	129 m
On pipe surface ±0 °C	57 m	92 m	119 m
On pipe surface -10 °C	50 m	79 m	111 m
On pipe surface -20 °C	44 m	70 m	104 m
OPTIHEAT RAMP			
In concrete -10 °C	18 m	28 m	55 m

Product information

Product code	Description	Package / pc	GTIN-13
EFPO10	Optiheat 10, output 10 W/m, blue	1 / 1,000	6410004313107
EFPO20	Optiheat 20/40, output 20 W/m, black	1 / 1,000	6418677639180
EFPO20.250	Optiheat 20/40, output 20 W/m, black	1 / 250 *	6418677639197
EFPORAMP	Optiheat Ramp, output 50 W/m, yellow	1 / 200	6418677639159



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