



Product



Installation



Floor/Surface

ECsafe 100T - 230 V, ECsafe 100T - 400 V

Product
is covered
by **EPD***

ECsafe readymade heating cable mat is an extremely high-quality, 360° fully screened twin conductor cable with a tough outer sheath (UV resistant) fixed by the plastic tapes. Its round profile and robust construction ensures a fast, simple and safe installation in multiple indoor floor constructions like: new build houses for accumulating systems, comfort floor heating in public and commercial buildings for new build and renovations. ECsafe heating mats should not be in direct contact with bitumen roofs.

Heating cable must be used together with an appropriate thermostat to secure against overheating and reduce energy consumption.

Heating element is designed to be mounted on steel reinforcement mesh, allowing unhindered passing of concrete. Cold lead connection point is protected from water ingress by a removable cap.

The cold lead is an installation cable with solid conductors ensuring fast installation. A clearly visible connection avoids accidentally installing the heated element in the wall.

To ensure a long life-time, all mats are minutely inspected including tests for Ohmic resistance, high voltage and material controls to ensure the quality. This means that we are proud to supply our full floor extended Danfoss Warranty.

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

Product specifications

Benefits

- Fast and easy to install
- Multiple application options
- Safe and robust
- Long life-time
- Maximum protection

Compliance symbols:



Standard compliance

- EN/IEC60800:2009

Operation voltage	230 V~ and 400 V~
Construction	Twin conductor, one cold lead
Output	100 W/m ² @ 230 V~
Max. permissible use temperature, powered	60 °C
Max. permissible use temperature, unpowered	90 °C
Cable type, C-C distance	ECsafe, 15 cm
Cable dimensions	Ø 6,9 mm
Deformation strength	1500 N
Pulling strength	400 N
Conductor insulation	XLPE
Outer sheath	PVC, black
Screen	100% coverage; alu-foil; 0,5 mm ² tinned copper drain wire
Cold lead	10 m DTCL, 3G (1,5 or 2,5)mm ²
Min. installation temperature	-5 °C
Bending Ø, min.	5 cm
IP Class	IPX7
Packaging	Plastic bag

Types: Set ECsafe 100T - 230 V with cold lead 10 m

Item no.	Output @ 230V~	Heated area	Dimensions (W x L)	Resistance, Ohm	Cold lead	EAN no.
088L6451	445 W	4,2 m ²	1 x 4,3 m	118,9 Ω	3 x 1,5 mm ²	5703466246047
088L6452	580 W	5,7 m ²	1 x 5,8 m	91,2 Ω	3 x 1,5 mm ²	5703466246054
088L6453	720 W	7,2 m ²	1 x 7,2 m	73,5 Ω	3 x 1,5 mm ²	5703466246061
088L6454	855 W	8,7 m ²	1 x 8,6 m	61,9 Ω	3 x 1,5 mm ²	5703466246078
088L6455	1020 W	10,5 m ²	1 x 10,4 m	51,9 Ω	3 x 1,5 mm ²	5703466246085
088L6456	1190 W	11,7 m ²	1 x 11,8 m	44,5 Ω	3 x 1,5 mm ²	5703466246092
088L6457	1330 W	13,2 m ²	1 x 13,2m	39,8 Ω	3 x 1,5 mm ²	5703466246108
088L6458	1465 W	14,7 m ²	1 x 14,7 m	36,1 Ω	3 x 1,5 mm ²	5703466246115
088L6459	1770 W	17,4 m ²	1 x 17,5 m	29,9 Ω	3 x 1,5 mm ²	5703466246122
088L6460	2040 W	20,4 m ²	1 x 20,4 m	25,9 Ω	3 x 2,5 mm ²	5703466246139
088L6461	2320 W	23,4 m ²	1 x 23,3 m	22,8 Ω	3 x 2,5 mm ²	5703466246146
088L6462	2670 W	26,1 m ²	1 x 26,2 m	20,0 Ω	3 x 2,5 mm ²	5703466246153
088L6463	2930 W	29,4 m ²	1 x 29,3 m	18,1 Ω	3 x 2,5 mm ²	5703466246160

Types: Set ECsafe 100T - 400 V with cold lead 10 m

Item no.	Output @ 400V~	Heated area	Dimensions (W x L)	Resistance, Ohm	Cold lead	EAN no.
088L6466	500 W	5,1 m ²	1 x 5,0 m	325,7 Ω	3 x 1,5 mm ²	5703466246207
088L6467	760 W	7,5 m ²	1 x 7,5 m	212,9 Ω	3 x 1,5 mm ²	5703466246214
088L6468	1010 W	9,9 m ²	1 x 10,0 m	158,3 Ω	3 x 1,5 mm ²	5703466246221
088L6469	1250 W	12,6 m ²	1 x 12,5 m	128,9 Ω	3 x 1,5 mm ²	5703466246238
088L6470	1500 W	15,0 m ²	1 x 15,0 m	106,8 Ω	3 x 1,5 mm ²	5703466246245
088L6471	1810 W	18,00 m ²	1 x 18,0 m	88,8 Ω	3 x 1,5 mm ²	5703466246252
088L6472	2070 W	20,4 m ²	1 x 20,5 m	77,6 Ω	3 x 1,5 mm ²	5703466246269
088L6473	2300 W	23,1 m ²	1 x 23,0 m	69,8 Ω	3 x 1,5 mm ²	5703466246276
088L6474	2560 W	25,5 m ²	1 x 25,5 m	62,7 Ω	3 x 1,5 mm ²	5703466246283
088L6475	3050 W	30,6 m ²	1 x 30,5 m	52,6 Ω	3 x 2,5 mm ²	5703466246290