

MILLIMAT/100, heating cable mat 100 W/m²

MILLIMAT/100 HS 1200W 12,0 m²

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International Designation: MILLIMAT/100 HS 1200W 12,0 m²

Nexans ref.: 13563209

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Twin conductor heating cable mat

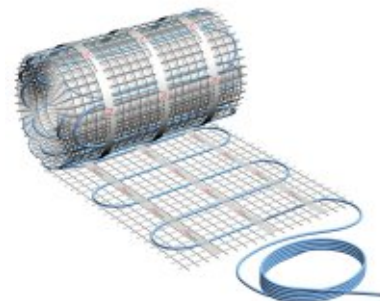
DESCRIPTION

MILLIMAT® 100W/m² is ideal for both renovation and new building projects. The heating cable mat consists of a twin conductor heating cable attached to a thin adhesive flexible fiberglass net. Products marked with "HS" are delivered with a cold lead seamlessly integrated with the heating cable itself from the factory. Products without the "HS" marking come with a manual splice between the cold lead and the heating cable itself.

IP-class, end seal : IPX7

Total mat thickness (incl. heating cable + net) : 4.5 mm

The MILLIMAT® 100W/m² is recommended for living rooms, hallways, kitchens and room alike. The mat can be installed on any type of subfloor (levelled and stable). The mat is designed to be embedded into concrete or screed. Floor covering can be tiles, stone, vinyl, parquet, laminate etc. When using parquet/laminate or other materials sensible to heat it is recommended to use a limiting thermostat with a floor sensor, to avoid high temperatures. The heating cable mat is adjusted to the room shape by cutting the net. Please see installation instruction for further details.



DECLARATION OF PERFORMANCE

Reaction to fire: E_{ca}
according to EN50575:2014
+A1:2016

STANDARDS

International EN 50265;
IEC 60332-1; IEC 60335-2-96



Reaction to fire
E_{ca}



Type of splice
Integrated/hidden

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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CHARACTERISTICS

Construction characteristics

Type of conductor	Resistance alloy, solid
Insulation	FEP
Drain wire	Solid tinned copper
Screen	Longitudinal aluminium tape + copper wire
Outer sheath	PVC
Type of splice	Intergrated/hidden
Sheath colour	Blue
Number of conductors	2

Dimensional characteristics

Mat area	12 m ²
Mat length	24 m
Min room area	13.3 m ²
Approximate net weight	7.2 kg
Mat width	0.5 m
Thickness	4.5 mm

Electrical characteristics

Nominal output	1200 W
Min. element resistance	41.9 Ohm
Nominal element resistance	44.1 Ohm
Max. element resistance	48.5 Ohm
Nominal area output	100 W/m ²
Operating voltage	230 V

Usage characteristics

Length of cold lead	2.5 m
Output	10 W/m
Element length	120 m