

# MILLIMAT/100, heating cable mat 100 W/m<sup>2</sup>

MILLIMAT/100 100W 1,0 m<sup>2</sup>

## Contact

Heating cables  
Phone: +49 511 676 2022  
Sascha.Buckschewski@nexans.com

**International Designation:** MILLIMAT/100 100W 1,0 m<sup>2</sup>

**Nexans ref.:** 10143274

**Country ref.:** 1008161

**GTIN:** 7045210054507

Twin conductor heating cable mat

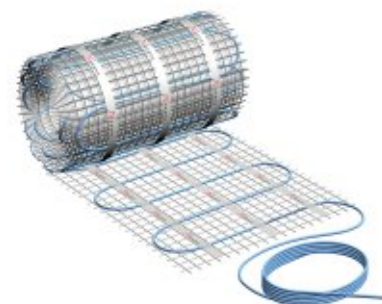
## DESCRIPTION

MILLIMAT® 100W/m<sup>2</sup> 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/m<sup>2</sup> 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<sub>ca</sub>  
according to EN50575:2014  
+A1:2016

## STANDARDS

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

## 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	Moulded
Sheath colour	Blue
Number of conductors	2



Reaction to fire  
E<sub>ca</sub>



Type of splice  
Moulded

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.

Generated 1/14/21 www.nexans.de Page 1 / 2

# MILLIMAT/100, heating cable mat 100 W/m<sup>2</sup>

## MILLIMAT/100 100W 1,0 m<sup>2</sup>

Contact  
Heating cables  
Phone: +49 511 676 2022  
Sascha.Buckschewski@nexans.com

### Dimensional characteristics

Mat area	1 m <sup>2</sup>
Mat length	2 m
Min room area	1.2 m <sup>2</sup>
Approximate net weight	0.7 kg
Mat width	0.5 m
Thickness	4.5 mm

### Electrical characteristics

Nominal output	100 W
Nominal area output	100 W/m <sup>2</sup>
Operating voltage	230 V
Min. element resistance	505 Ohm
Nominal element resistance	531.6 Ohm
Max. element resistance	584.8 Ohm

### Usage characteristics

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



Reaction to fire  
**E<sub>ca</sub>**



Type of splice  
**Moulded**

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.

Generated 1/14/21 [www.nexans.de](http://www.nexans.de) Page 2 / 2