

ETHERMA DSN

Roof heating mat



The DSN heating mat consists of a glass silk net to which a heating conductor with UV-resistant external insulation is attached (for foil and sheet metal roofs). It serves as a security measure against damage caused by snow loads to roofs, gutters and buildings.

The heating mat is particularly easy to lay and attach to the roof due to the glass silk mesh. The sewing technology with PTFE thread guarantees absolutely reliable support and the stability of the heating mat. All components are 100% UV resistant.

ETHERMA NOTICE:

We produce all connection cables to measure. If you wish, we can take care of the installation and maintenance of your roof panel heating system.

ETHERMA TIP: Project-specific production of the heating mats in various sizes and performances available on request.



- A Heating cable
- B Return conductor, copper, 1.5 mm²
- C Internal insulation Fluoropolymer (PFA)
- D Primary insulation
- E Protective braiding 1.5 mm²
- F Irradiation cross-linked polyolefin outer insulation

TECHNICAL DATA

- > Voltage: 230, 400 V
- > Output: 175 W/m²
- > Special outputs: 200 W/m²
- > Nominal temperature: Up to 105 °C
- > Min. installation temperature: - 5 °C
- > Max. bending radius: 5 d
- > Thickness of heating cable: 7 mm
- > IP rating: IP X7
- > Connection cable: 1 x 3 m; 3 x 1.5 (2.5) mm²
- > Weight: DUSN 900 g/m²
- > Certification: CE compliant

PRODUCT ADVANTAGES

- + Project oriented planning & production
- + Connection cable made to measure
- + Stable surface power
- + Mesh simplifies fastening and assembly
- + UV, ozone, and weather resistant
- + Heating cable resistant to acids and alkalis

Heating mat 172-DUSN, 175 W/m², 230 V RG: M5 | LZ: 1 week

Type	Art. No.	Output (W)	Length (cm)	Width (cm)	m ²	Price€
172DUSN040-55	38000	152	160	55	0.8	70.10
172DUSN012-55	37998	278	290	55	1.6	124.60
172-DUSN4-55	37988	1269	1320	55	7.26	564.80
172-DUSN5-55	37985	1604	1670	55	9.19	716.70
172-DUSN6-55	37981	2268	2360	55	12.98	1008.80
172DUSN040-75	37999	152	120	75	0.8	70.10
172DUSN012-75	37997	278	210	75	1.6	124.60
172-DUSN4-75	37987	1269	970	75	7.26	564.80
172-DUSN5-75	37983	1604	1220	75	9.19	716.70
172-DUSN6-75	37980	2268	1730	75	12.98	1008.80

Heating mat 173-DUSN, 175 W/m², 400 V RG: M5 | LZ: 1 week

Type	Art. No.	Output (W)	Length (cm)	Width (cm)	m ²	Price€
173DUSN040-55	37978	265	270	55	1.49	116.80
173DUSN012-55	37975	483	500	55	2.75	214.20
173-DUSN4-55	37959	2207	2290	55	12.60	981.40
173-DUSN5-55	37955	2789	2900	55	15.95	1242.40
173-DUSN6-55	37952	3944	4100	55	22.55	1756.50
173DUSN040-75	37976	265	200	75	1.49	116.80
173DUSN012-75	37973	483	370	75	2.75	214.20
173-DUSN4-75	37957	2207	1680	75	12.6	981.40
173-DUSN5-75	37954	2789	2120	75	15.95	1242.40
173-DUSN6-75	37951	3944	3000	75	22.55	1756.50

Accessories heating mat DSN

LZ: ex stock

Type	Art. No.	Description	RG	Price €
KALT-AS-1.5	27473	PTC thermistor for heating mats BRS, GSN and DSN, 2-pole with protective braiding, 1.5 mm ² , price per m	A4	6.90/m
KALT-AS-2.5	27474	PTC thermistor for heating mats BRS, GSN and DSN, 2-pole with protective braiding, 2.5 mm ² , price per m	A4	7.80/m
KALT-AS-2.5/400	38499	PTC thermistor for heating mats BRS, GSN and DSN, 2-pole with protective braiding, 2.5 mm ² , 400 V, price per m	A4	7.80/m
MRSA	37853	Fitting set for heating mats in asphalt BRS, DSN, in shrink-on technology	A4	27.70
SH-GPTD	38726	Factory-made, double thermostat, 3 m plug-in cable	A5	147.10
Power-Glue-SW	39972	Installation adhesive, all-purpose adhesive, 330 ml, black	A4	48.20

ETHERMA TIP:

Accessories for the heating mats can be found on page 69. Controls can be found from page 94.