

Self-Regulating Heating Cable Units RoofMate

Features

- The sections are ready for installation
- Fire safe product; due to the self-regulation effect the cable will not overheat
- Thermostat is not required that reduces the overall cost of organizing the electrical heating system
- Resistant to any atmospheric phenomena and UV-radiation
- Operating temperature up to minus 50 °C is suitable for severe climatic conditions
- Minimal energy consumption due to automatic adjustment of the cable to environmental conditions



Construction

1. 1.25 mm² nickel-plated copper conductors
2. Semi-conductive self-regulating matrix
3. Matrix insulation
4. Tinned copper braid or aluminium foil with grain conductor
5. Thermoplastic elastomer or fluoropolymer outer jacket



Application

Heating cable units RoofMate are designed to prevent icing of roofs and drains.

- They are placed in the drain system to ensure the flow of meltwater and to prevent the descent of snow
- They are installed on the edge of the roof as well as on snow-retaining elements

Technical Data

Rated voltage	~220-240 V
Linear power at 10 °C	20 W/m
Screen	Copper braid
Minimum installation temperature	-30 °C
Minimum bending radius	30 mm
Maximum temperature during continuous operation (energized)	+60 °C / 85 °C
Ambient temperature range	-50 ... +50 °C
Ingress Protection	IP67
Plug on the wire	CEE 7/7
Installation wire length	3 m
Operating lifetime of the heating cable sections	minimum 10 years

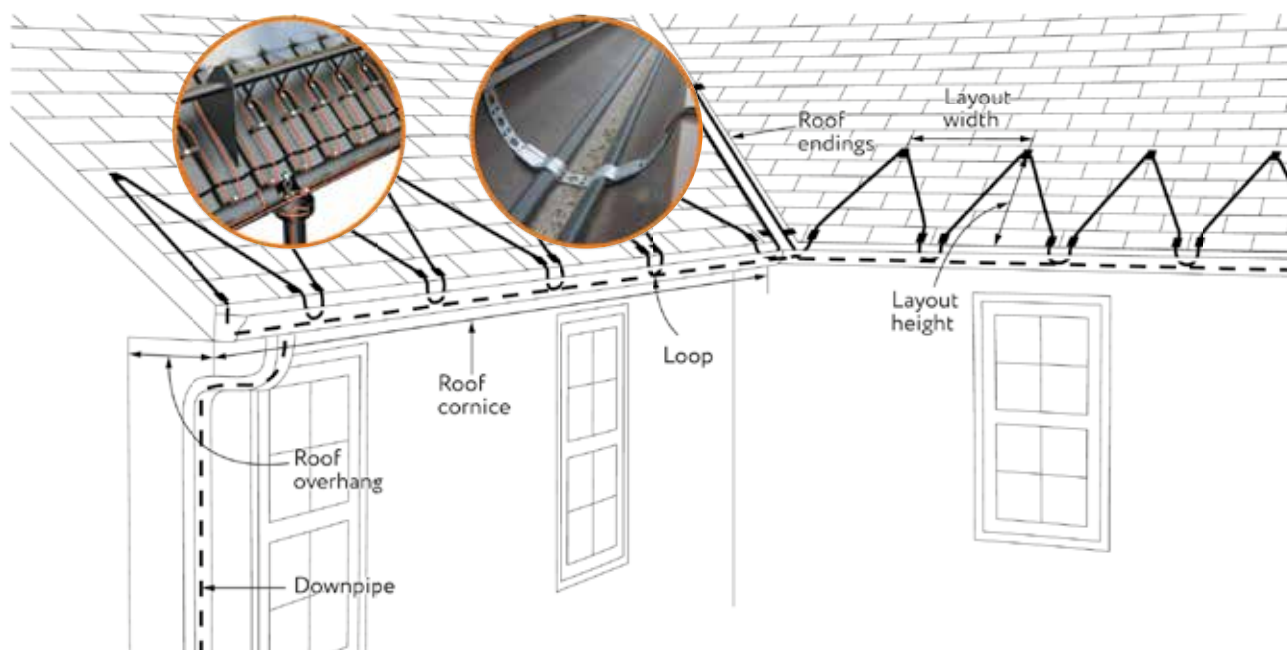
Types

Name	RoofMate Models	Order Codes
Heating cable section RoofMate 20 W/m 02 m	20-RM2-02-25	
Heating cable section RoofMate 20 W/m 04 m	20-RM2-04-25	
Heating cable section RoofMate 20 W/m 06 m	20-RM2-06-25	
Heating cable section RoofMate 20 W/m 10 m	20-RM2-10-25	
Heating cable section RoofMate 20 W/m 15 m	20-RM2-15-25	
Heating cable section RoofMate 20 W/m 20 m	20-RM2-20-25	
Heating cable section RoofMate 20 W/m 25 m	20-RM2-25-25	
Heating cable section RoofMate 20 W/m 40 m	20-RM2-40-25	
Heating cable section RoofMate 20 W/m 50 m	20-RM2-50-25	

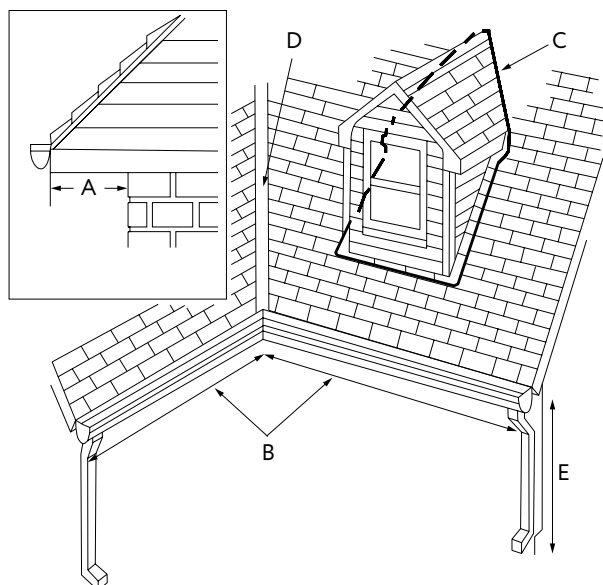
Installation Scheme

Sections RoofMate are designed to prevent icing of roofs and drains.

Heating sections are placed in the drain system to ensure the flow of meltwater and to prevent the descent of snow. They are installed on the edge of the roof as well as on snow-retaining elements.



Cable Section Length Calculation



Installation location	What to measure	How to calculate
Edge of the pitched roof	Length of roof cornice (size A)	Length of roof cornice (size A) $\times$ 5,5
Attic window	Perimeter around the attic windows (size B)	Number of attic windows $\times$ perimeter length (size B)
The end of the roof	Total length of the ends (C)	Length of the ends $\times$ 0,7
Gutter	Length of gutter (A)	Length of gutter $\times$ 2
Downpipe	Length of downpipe(D)	Total number of downpipes $\times$ Length of downpipe $\times$ 2