

### Description



EM2-MI is a constant output heating cable for simple, fast, and effective ramp and accessway heating to prevent snow and ice formation.

The pre-terminated EM2-MI cable comes complete with 3m cold leads at each end of the heater, removing the need for on-site termination activities. Simply install the heater over the required area and connect the cold leads to the junction box and "Smart" control unit.

The EM2-MI heating cable is designed for installation in high temperature applications. The product can be installed directly under hot-poured asphalt followed by mechanical high pressure roller.

### Advantages

#### Design phase

- Simple design.
- Variable power output dependent upon cable spacing (up to 300W/m<sup>2</sup>)
- Variety of sizes available to meet project requirements.

#### Installation phase

- Pre-terminated heating mat requires no onsite cold lead or end seal connections.
- Heating cable can be fixed to an existing reinforcement bar or with fixing strips from Tyco Thermal Controls.
- Extremely robust and resistant to installation damage.

#### The applications

- Excellent for irregular shaped areas.
- Vehicle accessways and loading bays.
- Applications under hot-poured asphalt.

### Technical Data

Nominal Power:	50 W/m
Voltage:	230 Vac
Maximum Exposure Temperature:	250°C
Minimum Install temperature:	-20°C
Dimensions:	6 mm
Circuit Breaker required:	Type C
RCD:	30 mA
Cable Construction:	Mineral Insulated (MI) heating unit with pre-terminated 3m cold leads.
Certification:	CE, VDE

### Related Products

VIA-DU-20 Programmable ramp heating control with ambient temperature, ground temperature, and moisture sensors.

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**Packaging and ordering references**

EM2-MI ramp heating cables are available in the following sizes:

Product name	Order reference	Description
EM2-MI-Pack-26m	075548 – 000	MI Ramp heating element 26 metres
EM2-MI-Pack-36m	772132 – 000	MI Ramp heating element 36 metres
EM2-MI-Pack-48m	625519 – 000	MI Ramp heating element 48 metres
EM2-MI-Pack-60m	375228 – 000	MI Ramp heating element 60 metres
EM2-MI-Pack-70m	686868 – 000	MI Ramp heating element 70 metres
EM2-MI-Pack-88m	268364 – 000	MI Ramp heating element 88 metres
EM2-MI-Pack-123m	1235 – 99800347	MI Ramp heating element 123 metres
EM2-MI-Pack-136m	1235 – 99800348	MI Ramp heating element 136 metres

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**Pre-installation ground preparation**

The heating cable should be installed on a stable subsurface. In suspended structures the substratum may consist of finished slabs, pre-stressed concrete or a suspended structure with poured concrete. The heating cables can be laid on all sub-surfaces including reinforcement grids/bars. In the case of poured concrete, it should be ensured that the surface is smooth and all sharp objects are removed. Ramps on a solid substratum do not require any additional thermal insulation. Appropriate preparations should be made for installing the temperature and moisture sensor.

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**Installation Instruction**

Complete installation instructions are supplied with the product and are available electronically from Tyco Thermal Controls. Please request installation instruction reference: INST-188.

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**Specification guideline**

A product specification guideline is available upon request from Tyco Thermal Controls. It is also available online at:

[http://www.tycothermal.com/uk/english/snow\\_melting/](http://www.tycothermal.com/uk/english/snow_melting/)

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