

### Description



EM4-CW is a constant output heating cable for simple, fast, and effective ramp and accessway heating to prevent snow and ice formation.

The pre-terminated EM4-CW cable comes complete with a 4m cold lead, removing the need for on-site termination activities. Simply install the heater over the required area and connect the cold lead to the power junction box and “Smart” control unit.

The EM4-CW heating cable is designed for applications where a 3 phase (400V) supply is available.

### Advantages

#### Design phase

- Simple design
- Pre-defined 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 cable 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.
- Dual wire cable system means only one cold lead needs to be connected to the power supply and controller.

#### The applications

- Excellent for irregular shaped areas.
- Vehicle accessways and loading bays.
- Emergency exits – Keeping escape routes clear and safe.

### Technical Data

Nominal Power:	25W/m
Voltage:	400Vac
Maximum Exposure Temperature:	65°C
Minimum Install temperature:	+5°C
Dimensions:	8.9mm x 5.5mm
Circuit Breaker required:	Type C
RCD:	30mA
Cable Construction:	Twin core, constant power output heating cable. Pre-terminated with a 4m 3 core cold lead cable.
Certification:	CE, VDE

### Related Products

VIA-DU-20	Programmable ramp heating control with ambient temperature, ground temperature, and moisture sensors.
VIA-PL-SPACER	Polymer cable spacer for fixing the cable in position on the surface.
VIA-SPACER-25M	Galvanised steel spacer rail 25 metres.

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**Packaging and ordering references**

EM4-CW ramp heating cables are available in the following sizes:

Product name	Order reference	Description
EM4-CW-26M	1244-005182	Heating cable 26 Metre 25 W/m /400 V
EM4-CW-35M	1244-005184	Heating cable 35 Metre 25 W/m /400 V
EM4-CW-62M	1244-005188	Heating cable 62 Metre 25 W/m /400 V
EM4-CW-121M	1244-005191	Heating cable 121 Metre 25 W/m /400 V
EM4-CW-172M	1244-005194	Heating cable 172 Metre 25 W/m /400 V
EM4-CW-210M	1244-005196	Heating cable 210 Metre 25 W/m /400 V
EM4-CW-250M	1244-005198	Heating cable 250 Metre 25 W/m /400 V

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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 subsurfaces 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-274.

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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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