

Raychem EM4-CW CABLE



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 EM2-CM mat is particularly suited to track heating of ramps, loading bays, and driveways, but also emergency escape routes and pedestrian walkways.

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/m².)

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 Pentair Thermal Management.

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.

EM4-CW CABLE

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.

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

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.

INSTALLATION INSTRUCTION

Complete installation instructions are supplied with the product and are available electronically from Pentair Thermal Management. Please request installation instruction reference: INST-274.

SPECIFICATION GUIDELINE

A product specification guideline is available upon request from Pentair Thermal Management. It is also available online at: www.thermal.pentair.com



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