

# Raychem EM2-XR CABLE



## PRODUCT DESCRIPTION

EM2-XR is a rugged and robust self-regulating heating cable for simple, fast, and effective ramp heating to prevent snow and ice formation.

The self regulating EM2-XR cable automatically adjusts its power output in accordance with ambient conditions; more power is produced in harsh freezing conditions and less power in marginal freezing conditions. It can be cut to length onsite providing complete flexibility in installation. It can also be provided as a configured heating unit to meet your specific design requirements, including pre-installed terminations and power cable (length variable upon request.)

## ADVANTAGES

### Design phase

- Designed to fit any ramp shape and size.
- Variable power output to meet design requirements.
- Variable lengths (cut-to-length) to meet precisely the ramp size.

### Installation phase

- Cut to length possibility on site (allows for on-site variations) from design.
- Available in cut-to-length, pre-terminated, or made-to-order configured system formats to meet the installation method requirements.

### The applications

- Car Park ramps and access ways
- Footpaths
- Loading Bays / Distribution centres
- Airport taxi ways and aircraft stands

## TECHNICAL DATA

Nominal Power:	90 W/m at 0°C
Voltage:	230 Vac
Maximum Exposure Temperature:	100°C
Minimum Install temperature:	-20°C
Dimensions:	18.9 mm x 9.5 mm
Circuit Breaker required:	Type C (Max. 50A.)
Cable Construction:	Self Regulating polymer heating cable, braided and overjacketed.
Certification:	CE, VDE

## EM2-XR CABLE

### RELATED PRODUCTS

<b>VIA-DU-20</b>	Programmable ramp heating control with ambient temperature, ground temperature, and moisture sensors.
<b>VIA-L1</b>	Temperature resistant power cable (3 x 6mm <sup>2</sup> conductors).
<b>VIA-CE1</b>	Waterproof connection and end seal kit.
<b>VIA-JB2</b>	Temperature resistant junction box.

### PACKAGING AND ORDERING REFERENCES

EM2-XR ramp heating cable is available as standard cable, pre-terminated pack, or as a made to order configured heating unit:

Product name	Order reference	Description
EM2-XR	449561-000	Self Regulating Ramp heating Cable
EM2-XR-10-17m	1244-001512	Pre-terminated self regulating heating cable
EM2-XR-18-28m	1244-001513	Pre-terminated self regulating heating cable
EM2-XR-29-35m	1244-001514	Pre-terminated self regulating heating cable
EM2-XR-36-45m	1244-001515	Pre-terminated self regulating heating cable
EM2-XR-46-55m	1244-001516	Pre-terminated self regulating heating cable
EM2-XR-56-70m	1244-001517	Pre-terminated self regulating heating cable
EM2-XR-71-85m	1244-001518	Pre-terminated self regulating heating cable
Heating Unit Raychem Viagard	1244-005360	Configured heating unit (Pre-terminated) with customer specified heater and cold lead length.

### 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-159.

### SPECIFICATION GUIDELINE

A product specification guideline is available upon request from Pentair Thermal Management. It is also available online at [www.pentair.thermal.com](http://www.pentair.thermal.com)