

Magnum Cable

The MAGNUM Cable has been specially designed for installing in cement floors. The spacing between the cables determines the capacity per m². This gives you the freedom to apply more capacity (faster reaction time, higher temperatures) or indeed lower capacity (constant or low temperatures) when installing.

Installation is very simple because the cable can be shaped. It can be secured to the MAGNUM Isorol using aluminium tape and with dove-tail plates or tie-wraps onto the concrete net. Moreover, handy spacer strips are available for fitting directly onto the floor.

The advanced thermostat takes account of the required warming up period, so that your floor is always at the right temperature when you want it. The lack of radiators on the walls provides optimal freedom for interior decoration and placing furniture.

Example calculations for the cable distances

To calculate the correct cable distance, divide the number of open m² of floor area by the total capacity of the set. The outcome should be multiplied by 17 (17 = watt per metre of cable stretched out). The first two numbers after the decimal point indicate the distance (spacing) between the cables in centimetres.

Some examples of additional heating

500 watt cable at 3 m²: (166 W/m²) (3 m²: 500 watt) x 17 W/m¹=0.102
Install the cables at 10 cm apart from each other.

1000 watt cable at 7 m²: (142 W/m²) (7 m²: 1000 watt) x 17 W/m¹ = 0.119.

Install the cables at 11 to 12 cm apart from each other.

MAGNUM Cable is supplied as a complete set and contains

- Heating cable
- Floor sensor
- Flexible tube for floor sensor
- Securing tape
- Installation instructions

Guarantee

MAGNUM Cable has a life-long guarantee covering the electromechanical operation of the heating mat and two years covering the thermostat and the floor sensor.

- EMC-free 2-conductor cable
- Power supply cable 2.5 metres 3-core
- Unique blind connection between the heating and the connection cable
- Fully encased in an aluminium earthed sheath
- Chrome/Nickel resistance wire
- XLPE insulation
- PVC protective sheath
- 17 watt per meter capacity 230 Volt
- Cable diameter: 7 mm
- Produced and inspected in accordance with the the IEC standards
- NEMKO approved and CE standards within Europe

Technical details

The cables are available in total capacities of 300 to 3300 watt, sufficient for surface areas between 2 and 30 m². Because the heating cable connects through at the ends on the mat, the power supply cable is only on one side and invisibly secured by way of a unique connection. This means that a return to the thermostat is not required.