

MAGNUM Outdoor Cable Concrete

For concrete & paving

Especially for large areas, such as loading docks or driveways for car parks, where safety must be ensured. MAGNUM Outdoor Cable can be fixed directly to the reinforcement before the sand bed, concrete or asphalt is poured.

MAGNUM Outdoor is a highly advanced system of heating cables, 2 sensor units that measure humidity in combination with the outdoor temperature and a custom-made control cabinet.

The power supply cable is uniquely connected to the resistance wire. The aluminium reinforcement jacket protects the resistance wires against mechanical damage and shields the cable against EMC (electromagnetic radiation). This has the advantage that the cable does not interfere with mobile phones, electrically operated garage doors and gates, security installations etc.

The cable is equipped with XLPE inner sheaths and a PVC outer sheath that is resistant to the action of chemicals.

Complete systems

MAGNUM Outdoor installations are specially drawn and designed per order. A complete watertight control cabinet (IP-65) is manufactured and fitted out in proportion to the number of cables/mats and power. For larger projects, the control cabinet can be expanded to include modulating power regulators up to 50kW that prevent peak loads and also save energy. The system can be implemented in both 230V and 400V.



Installation in concrete



Specifications

Sand bed + bricks	V
Concrete	V
Cold asphalt	X
Asphalt < 240°C	X
Inner jacket	XLPE
Outer jacket	PVC
Length of connecting wire	4 m
Power	30 Watt/m ¹
Connection voltage	230 V/50Hz
Certification	IEC 800, CE, ISO 9001, IPX7
Warranty	10 year





Unique blind connection!



Installation in sand bed under paving stones

Technical details

- Power 30 Watt/m¹
- Cables available from 300 to 4200 Watt
- Connection voltage 230 V/50Hz
- Standards IEC 800 and CE
- Certification ISO 9001
- Class IPX7
- Core insulation XLPE

Installation methods (complete systems)

MAGNUM Outdoor systems are calculated and designed per order.

Warranty

MAGNUM Outdoor Cable has a 10 year warranty on the electrical function of the cable.

Art.nr.	Description	Length	Length connecting wire	Power	Volt	Amps	Ohm
120308	MAGNUM Outdoor Cable Concrete 30W/m ¹	10 m	4 m	300 Watt	230V	1,3	176
120458	MAGNUM Outdoor Cable Concrete 30W/m ¹	15 m	4 m	450 Watt	230V	2,0	118
120608	MAGNUM Outdoor Cable Concrete 30W/m ¹	20 m	4 m	600 Watt	230V	2,6	88
120758	MAGNUM Outdoor Cable Concrete 30W/m ¹	25 m	4 m	750 Watt	230V	3,3	71
120908	MAGNUM Outdoor Cable Concrete 30W/m ¹	30 m	4 m	900 Watt	230V	3,9	59
121208	MAGNUM Outdoor Cable Concrete 30W/m ¹	40 m	4 m	1200 Watt	230V	5,2	44
121508	MAGNUM Outdoor Cable Concrete 30W/m ¹	50 m	4 m	1500 Watt	230V	6,5	35
121808	MAGNUM Outdoor Cable Concrete 30W/m ¹	60 m	4 m	1800 Watt	230V	7,8	29
122108	MAGNUM Outdoor Cable Concrete 30W/m ¹	70 m	4 m	2100 Watt	230V	9,1	25
122408	MAGNUM Outdoor Cable Concrete 30W/m ¹	80 m	4 m	2400 Watt	230V	10,4	22
123008	MAGNUM Outdoor Cable Concrete 30W/m ¹	100 m	4 m	3000 Watt	230V	13,0	18
123408	MAGNUM Outdoor Cable Concrete 30W/m ¹	113 m	4 m	3400 Watt	230V	14,8	16
123608	MAGNUM Outdoor Cable Concrete 30W/m ¹	120 m	4 m	3600 Watt	230V	15,7	15
124208	MAGNUM Outdoor Cable Concrete 30W/m ¹	140 m	4 m	4200 Watt	230V	18,3	13