

# Technical list of a heating cable: MADPSP

## CONSTRUCTION:

**Cable core:** double cord stranded resistance wire

**1.st insulation:** ethylene-tetrafluorethylene kopolymer (ETFE) 0,3mm

**2.nd insulation:** cross-linked polyethylene (XLPE) 0,8mm

**Protection screen:** 14 tinned copper wires Ø 0,3 mm + AIPET foil

**Jacket:** cross-linked polyethylene with UV protection

## RESISTANCE RANGE (OHM/M):

18,0 / 6,4 / 2,7 / 2,0 / 1,2 / 0,72 / 0,6 / 0,36 / 0,183 / 0,08 / 0,04

## MAX. POWER LOADING:

30 W/m

## OUTER CABLE DIAMETER:

6,2 – 8,9 mm

## PERMANENT HEATING ENDURANCE:

-30 up to +90°C (temperature during installation min. -5°C)

over 160W/m<sup>2</sup> is necessary to use floor probe with max. temperature setting 50°C

## SHORT-TERM HEATING ENDURANCE:

160°C for period of 30min (max.cable jacket temperature e.g.during installation into asphalt)

## OPERATING VOLTAGE:

230/400V

## COVERING:

IP 67

## RESISTANCE TO SCREEN PENETRATION (according to IEC 800, article 1.7.3.3.)

Yes

## CLASS OF MECHANICAL ENDURANCE (according to IEC 800, article 1.5.)

C – high mechanical strenght

## MIN. CABLE BEND DIAMETER:

Twelfefold of cable diameter

## U-V PROTECTION:

Yes

## SELF-EXTINGUISHING:

No

## JACKET COLOUR:

Black

## APPLICATION:

TYPE	Availability	Max. loading
Floor heating in habitable rooms	Yes	20 W/m
Outdoor surfaces warming	Yes	30 W/m
Protection of pipes against freezing	Yes	15 W/m
Pipes warming	Yes	15 W/m
Removing ice and snow from roofs and gutters	Yes	25 W/m