



Technical data sheet of a heating cable: **MADPSP-new**

According IEC 60800:2009

CONSTRUCTION:

Cable core: double cord stranded resistance wire (7 strands)

1.st insulation: fluoropolymer - 0,3mm thickness

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

Protection screen: 14 tinned copper wires \varnothing 0,3 mm + ALPET foil

Jacket: Cross-linked Halogen Free Fire Retardant Polyolefin (XLPO-HFFR) with UV protection - 1 mm thickness

RESISTANCE RANGE (OHM/M):

18,0 / 6,4 / 2,7 / 2,0 / 1,2 / 0,72 / 0,6 / 0,36 / 0,25 / 0,196 / 0,183 / 0,08 / 0,04

MAX. POWER LOADING:

40 W/m (Must be used control system with air temperature and moisture sensor protecting cables to switch-on in temperature more than +5°C.)

OUTER CABLE DIAMETER:

6,3 – 9 mm

PERMANENT HEATING ENDURANCE:

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

over 160W/m² is necessary to use floor probe with max. temperature setting 50°C

SHORT-TERM HEATING ENDURANCE:

240 degrees C (464 degrees F) for a period of time not exceed 30 minutes

OPERATING VOLTAGE:

230/400V

COVERING:

IP 67

MECHANICAL CLASSIFICATION:

M2 – suitable for installation with higher risk of mechanical damage

MINIMUM INSIDE BENDING RADIUS:

Six times the outside diameter of the cable

U-V- PROTECTION:

Yes

SELF-EXTINGUISHING:

Yes

JACKET COLOUR:

Black

MARKINGS:

HEATING CABLE * MADPSP * xxx Ohm / m * 300/500V * M2 * IEC 60800 * CE * week / year

APPLICATION:

TYPE	Availability	Max. loading
Floor heating in habitable rooms	Yes	20 W/m
Outdoor surfaces warming	Yes	40 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	35 W/m*

* Must be used control system with air temperature and moisture sensor protecting cables to switch-on in temperature more than +5°C.

