



## **Technical data sheet of a heating cable: MADPSP**

According IEC 60800:2009

### **CONSTRUCTION:**

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

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

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

**Protection screen:** 7 tinned copper wires Ø 0,3 mm + ALPET foil

**Jacket:** cross-linked polyethylene with UV protection - 0,8 mm thickness

### **RESISTANCE RANGE (OHM/M):**

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

### **MAX. POWER LOADING:**

40 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:**

240°C for period of 30min (max.cable jacket temperature e.g.during installation into asphalt)

### **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:**

no

### **JACKET COLOUR:**

Black

### **MARKINGS:**

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