



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

According IEC 60800:2009

### **CONSTRUCTION:**

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

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

**2.nd insulation:** cross-linked polyethylene (XLPE) - 0,6 mm thickness

**Protection screen:** 7 tinned copper wires  $\varnothing$  0,3 mm + AIPET foil

**Jacket:** PVC therm resistant 105°C (UV protected) - 0,8 mm thickness

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

38,72 / 14,02 / 8,96 / 5,23 / 3,58 / 2,57 / 1,71 / 1,38 / 0,93 / 0,64 / 0,42 / 0,31 / 0,196 / 0,136

### **OUTER CABLE DIAMETER:**

5,2 – 5,9 mm

### **PERMANENT HEATING ENDURANCE:**

-30 up to +80°C (temperature during installation min. -5°C)

over 160W/m<sup>2</sup> is necessary to use floor probe with max. temperature setting 35°C

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

20W/m

### **OPERATING VOLTAGE:**

230V

### **COVERING:**

IP 67

### **CLASS OF MECHANICAL ENDURANCE**

M2 – suitable for installation with higher risk of mechanical damage

### **MINIMUM INSIDE BENDING RADIUS:**

Six times the outside diameter of the cable

### **UV- PROTECTION:**

Yes

### **SELF-EXTINGUISHING:**

Yes

### **JACKET COLOUR:**

Black

### **APPLICATION:**

TYPE	Availability	Max. loading
Floor heating in habitable rooms	Yes	18 W/m
Outdoor surfaces warming	Yes	20 W/m
Protection of pipes against freezing	Yes	10 W/m
Pipes warming	Yes	10 W/m
Removing ice and snow from roofs and gutters	Yes	20 W/m

### **MARKINGS:**

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