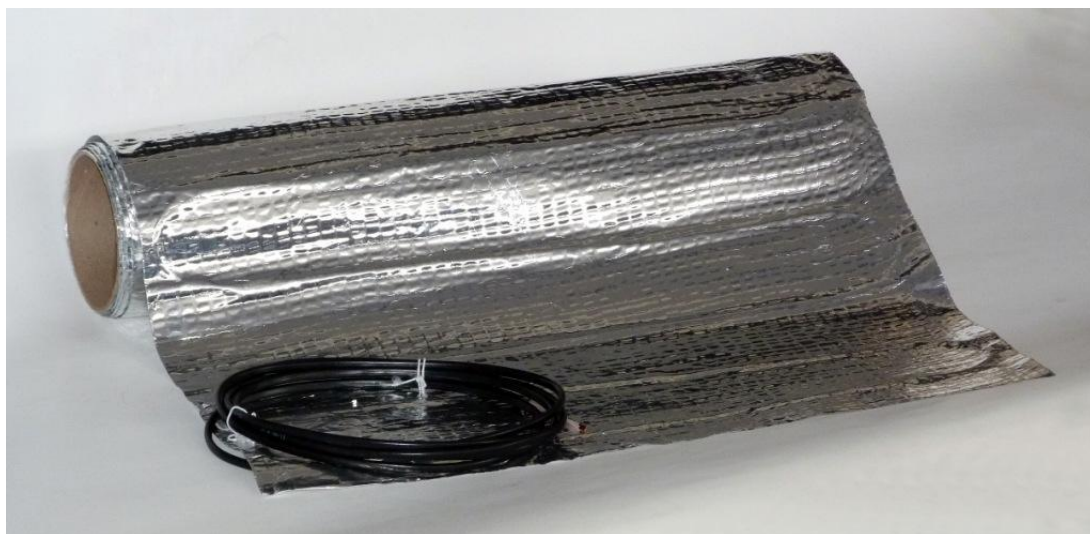


Technical data sheet

HEATING CABLE MAT - type AL-MAT

Approved by TÜV according standards EN 60335-1:2012; EN 60335-2-96:2003;
EN 55014-1: 2006; EN 55014-2:1997



Description:

Two heating cables are fixed in parallel between Aluminium foils which provide electrical protection. Aluminium foil has to be connected to PE conductor.

Heating cable diameter – 0,9-1,1 mm

Cold lead diameter – oval profile 6x4 mm

Cold lead length – 3 m

Heating cable construction:

Resistance wires – CuNi, CuZn alloys

Insulation – Fluoropolymer 0,3 mm (clear colour)

Cold lead construction:

Conductor – copper stranded 0,75 mm²

Insulation – XLPE – thickness 0,3 mm

Shield – CuSn drain wires 14x0,3 mm + AlPET foil (0,05 Al+0,012 PET)

Jacket – HFFR compound – thickness 0,8 mm

Description of Aluminium foils:

Upper side – PE reinforced foil with Aluminium layer (thickness 0,27 mm)

Down side – Aluminium self adhesive foil (thickness 0,05 mm)

Termination and end seal components:

Parallel-splices

Heat Shrinkable Tubings

Technical data:

140 W/m²

Power (W)	Heating area (m ²)	Mat length (m)	Mat width (m)	Cable length (m)	Resistance (Ohm)	Cable linear resistance (Ohm/m)	C-C distances (cm)
140	1	2	0,5	15,2	378	24,8	7,1
210	1,5	3	0,5	28,1	252	8,96	5,8
280	2	4	0,5	36,1	189	5,23	5,9
420	3	6	0,5	49	126	2,57	6,5
560	4	8	0,5	68,5	94	1,38	6,3
700	5	10	0,5	81,5	75,6	0,93	6,5
840	6	12	0,5	98,4	63	0,64	6,5
980	7	14	0,5	129	54	0,42	5,8
1120	8	16	0,5	112,5	47	0,42	7,6
1260	9	18	0,5	133,5	42	0,31	7
1400	10	20	0,5	137,9	38	0,274	7,8

80 W/m²

Power (W)	Heating area (m ²)	Mat length (m)	Mat width (m)	Cable length (m)	Resistance (Ohm)	Cable linear resistance (Ohm/m)	C-C distances (cm)
100	1,25	2,5	0,5	21,3	529	24,8	6,3
160	2	4	0,5	36,9	331	8,96	5,9
240	3	6	0,5	42,1	220	5,23	7,6
400	5	10	0,5	95,8	132	1,38	5,6
640	8	16	0,5	129,2	83	0,64	6,6
800	10	20	0,5	157,4	66	0,42	6,9
960	12	24	0,5	201,1	55	0,274	6,4

