

On Slab Heating MAT Specs Sheet



Hotwire Heating mats are a high-quality heating mat with single cold tail. The heating cable is evenly pre-spaced on self-adhesive fibreglass mesh.

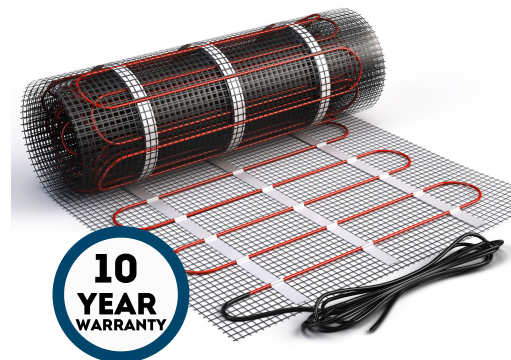
The system provides an invisible, comfortable, fast, dust-free, quiet and energy-saving floor heating solution. The element is only 3.6mm thick. It is ideal for both both new floor construction and retrofit in existing buildings.

Some of the advantages are,

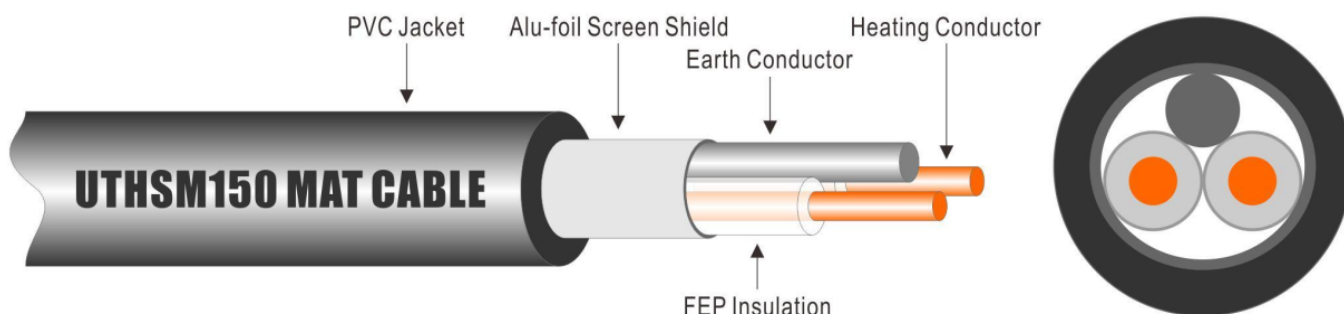
The Single cold tail and pressure sensitive adhesive mesh allows for a simple and speedy set-up.

Hotwire warrants that all of our Heatings mats are free from defects in material and workmanship in their manufacture, they are all carefully tested including resistance measurement and 1500V insulation test (high voltage test) before their shipment and are well packed to avoid the damage during their transit. We offer a 10 year guarantee on heating element.

Hotwire has been proudly owned and operated in Australia since 2004.



UTH MAT CABLE CONSTRUCTION



MAIN TECHNICAL PARAMETERS

Hotwire Elements comply with the following standards

- IEC60335-2-96
- IEC60800-2009

TYPE	VALUE
Operation Voltage	220-240V~
Cable construction	Round, twin conductor with 360° screen, one cold lead
Output	150/sqm @230V ~
Cable thickness	3.6mm
Conductor Insulation	FEP - Max. temperature 205°C
Outer Sheath	PVC - Max. temperature 105°C
Screen	100% coverage; alu-foil
Cold Lead	2.5m, earthed
Min. installation temperature	-5°C
Bending radius	25mm
IP Class	IPX7

Specification & sizing - 150/sqm



Single Cold tail Heating Mat

Cable Code	Output @230 V (watts)	MAT Length (M)	MAT Width (m)	Heated Area (sqm)	Total Ohms @ 20C (Ω)	Cable Length (m)	Power Density 12x/m cable pre-space @ 80mm (watts per sqm)
UTH MAT-300	300	4	0.5	2.0	176.3	25.0	150W/SQM EACH SQM MESH PRE-SPACED WITH 12.5M CABLE
UTH MAT-375	375	5	0.5	2.5	141.3	31.3	
UTH MAT-450	450	6	0.5	3.0	117.6	37.5	
UTH MAT-525	525	7	0.5	3.5	100.8	43.8	
UTH MAT-600	600	8	0.5	4.0	88.2	50.0	
UTH MAT-750	750	10	0.5	5.0	70.5	62.5	
UTH MAT-825	825	11	0.5	5.5	64.1	68.8	
UTH MAT-900	900	12	0.5	6.0	58.8	75.0	
UTH MAT-1050	1050	14	0.5	7.0	50.4	87.5	
UTH MAT-1200	1200	16	0.5	8.0	44.1	100.0	
UTH MAT-1350	1350	18	0.5	9.0	39.2	112.5	
UTH MAT-1500	1500	20	0.5	10.0	35.3	125.0	

NOTES:

For a larger or different floor area heating, please call the Hotwire help line.

Heated Floor Area table is by calculation only, actual cable layout on the floor may have an effect on the actual layout.

Remember, the heating element is a continuous wire that must never be lengthened or shortened to fit; therefore, avoid selecting a MAT that is too large.