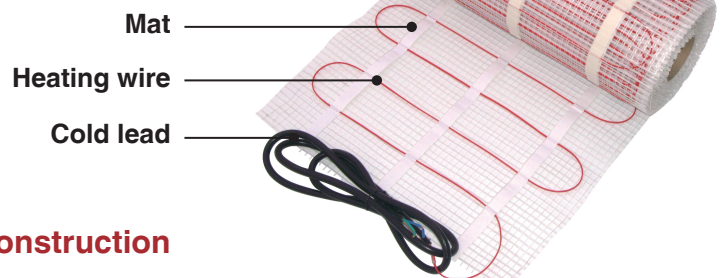# UTM

Under Tile Heating Mat

EPOLY (PTC)

Description

Underfloor heating mats add to the ease of installation having the heating cable pre-spaced on to a mesh, ensuring the heat is distributed evenly across the tiled floor. Heating mats are quick and easy to install, making them the perfect off-the-shelf product for DIY markets. The matting can be cut and turned to fit any room and navigate around fixed obstacles. Installed directly beneath the floor covering with tile adhesive, they increase floor level by only 3 mm.

With our expertise in heat tracing industry, we are able to design and deliver strong, durable and safe underfloor heating wires and mats. Our heating mats are UL approval and compliant with earthing requirements for installation in wet areas such as bathrooms.
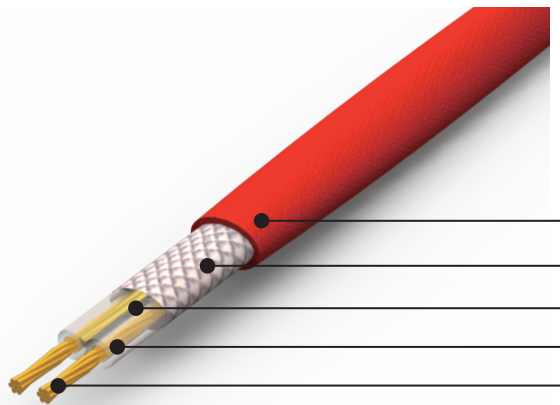
Heating Mat Construction

- Mat
- Heating wire
- Cold lead

Cable Construction

- **Jacket: Flouropolymer (FEP)**
- **Screen: Tinned-Cu braid**
- **Filler: Kevlar**
- **Insulation: Flouropolymer (FEP)**
- **Heating Conductor: Multi strands heating alloy**

Features

- Even heat distribution
- Toughest and thinnest wire (only 0.12 inch / 3 mm)
- No installation experience is necessary
- Easy installation, save time and labor
- Energy and cost efficient
- UL/cUL approved

Performance

- Apply Voltage: 120V and 240V
- Power Output: 14 W/ft² (other output wattage also available by request)
- Cable Construction: Multi-strand conductor, twin cores
- Cable Diameter: ø0.12 inch (3 mm)
- Cold Lead Length: 10 ft (3 m)
- Mesh: Fiberglass (sticky mesh is also available)
- Mat Width: 2 ft (60 cm)

Ordering Information

120V

Model Number	Mat Size		Area		Total Power (W)	Total Current (A)
	(ft x ft)	(m x m)	(ft²)	(m²)		
UTM014SF1-0100	2 x 5	0.6 x 1.5	10	0.9	140	1.2
UTM014SF1-0150	2 x 7.5	0.6 x 2.3	15	1.4	210	1.8
UTM014SF1-0200	2 x 10	0.6 x 3	20	1.8	280	2.3
UTM014SF1-0250	2 x 12.5	0.6 x 3.8	25	2.3	350	2.9
UTM014SF1-0300	2 x 15	0.6 x 4.5	30	2.7	420	3.5
UTM014SF1-0400	2 x 20	0.6 x 6	40	3.5	560	4.7
UTM014SF1-0500	2 x 25	0.6 x 7.5	50	4.5	700	5.8
UTM014SF1-0600	2 x 30	0.6 x 9.1	60	5.5	840	7.0
UTM014SF1-0700	2 x 35	0.6 x 10.5	70	6.5	980	8.2
UTM014SF1-0800	2 x 40	0.6 x 12.2	80	7.5	1120	9.3
UTM014SF1-0900	2 x 45	0.6 x 13.7	90	8	1260	10.5
UTM014SF1-1000	2 x 50	0.6 x 15.2	100	9	1350	11.7
UTM014SF1-1100	2 x 55	0.6 x 16.7	110	10	1540	12.8
UTM014SF1-1200	2 x 60	0.6 x 196.8	120	11	1680	14.0

240V

Model Number	Mat Size		Area		Total Power (W)	Total Current (A)
	(ft x ft)	(m x m)	(ft²)	(m²)		
UTM014SF4-0200	2 x 10	0.6 x 3.0	20	1.8	280	1.2
UTM014SF4-0300	2 x 15	0.6 x 4.5	30	2.7	420	1.8
UTM014SF4-0400	2 x 20	0.6 x 6.0	40	3.5	560	2.3
UTM014SF4-0500	2 x 25	0.6 x 7.5	50	4.5	700	2.9
UTM014SF4-0600	2 x 30	0.6 x 9.1	60	5.5	840	3.5
UTM014SF4-0700	2 x 35	0.6 x 10.5	70	6.5	980	4.1
UTM014SF4-0800	2 x 40	0.6 x12.2	80	7.5	1120	4.6
UTM014SF4-0900	2 x 45	0.6 x 13.7	90	8	1260	5.2
UTM014SF4-1000	2 x 50	0.6 x 15.2	100	9	1350	5.6
UTM014SF4-1100	2 x 55	0.6 x 16.7	110	10	1540	6.5
UTM014SF4-1200	2 x 60	0.6 x 18.2	120	11	1680	7.0
UTM014SF4-1300	2 x 65	0.6 x 19.8	130	12	1820	7.6
UTM014SF4-1400	2 x 70	0.6 x 21.3	140	13	1950	8.1
UTM014SF4-1500	2 x 75	0.6 x 22.8	150	14	2080	8.7
UTM014SF4-1600	2 x 80	0.6 x 24.4	160	15	2250	9.4

Further Information

Please consult the appropriate termination instructions and the E-POLY Installation, Testing and Maintenance Manual for further details