

## ComfortTile Floor Heating – Data Sheet

## GENERAL PRODUCT INFORMATION

ComfortTile floor warming systems combine the highest comfort levels and reliability with maximum energy efficiency. It's a proven technology that's safe, reliable and energy efficient.

### Features Include:

- Single point connection
- Twin conductor cable
- Safety approved for wet locations
- Flexible installation
- Durable construction
- UL listed in the U.S. and Canada
- 25-year limited warranty against manufacturing defects



### ComfortTile Floor Warming System

The floor warming system includes either a heating cable that is pre-spaced on an adhesive-backed fiberglass mesh that allows for simple roll-out installation or heating cable on a spool for installations in irregular shaped rooms where greater flexibility is required. The hot and cold lead junctions are uniquely designed to make them virtually foolproof.

### Heating Cable Specifications

Cable Construction	Twin conductor
Rated Voltage	120 V, 240 V
Output	12W/ft <sup>2</sup> (130W/m <sup>2</sup> ) ±10% (at recommended spacing)
Recommended Spacing	3-inches (76.2 mm)
Bending Radius	1-inch (25.4 mm)
Cable Diameter	1/8 to 1/6-inch (3.2 mm-4.2 mm)
Conductor Insulation	Fluoropolymer
Outer Insulation	High Temperature PVC
Max. Ambient Temperature	104°F (40°C)
Min. Installation Temperature	40°F (5°C)
Cold lead	2-wire 14-17 AWG plus ground braid; 10 foot (3 m) length
Standards	Meets all test requirements of IEC 60335, CAN/CSA – C22.2 No. 130-03, UL 1673.
Approvals	Certified by Intertek SEMKO against relevant IEC / EN 60335, UL and GOST Standard.

### Thermostat Specifications

Functions:	3.5-inch color screen with easy interactive touch control, easy scheduling method
Supply Voltage:	120/240 VAC 50/60 Hz
Maximum switching current:	15 Amp
Temperature control range:	41 to 104°F (5 to 40°C)
Ambient range:	32 to 104°F (0 to 40°C)
Floor temperature sensor:	Universal compatibility with existing floor heating sensors



## ORDERING INFORMATION

### 120 Volt Cable

Item No. 120 V cable	Length (feet)	Approximate Heat Coverage (sq. ft.)			Watts (3 W/ft.)	Amps	Ohms
		2" spacing	Standard 3" spacing	4" spacing			
TC10240	77.8	13	19	26	240	2.0	60.0
TC10360	116.7	19	29	39	360	3.0	40.0
TC10600	194.5	32	49	65	600	5.0	24.0
TC10840	272.4	45	68	91	840	7.0	17.1
TC10960	311.3	52	78	104	960	8.0	15.0
TC11210	391.7	65	98	131	1210	10.1	11.9

### 240 Volt Cable

Item No. 240 V Cable	Length (feet)	Approximate Heat Coverage (sq. ft.)			Watts (3 W/ft.)	Amps	Ohms
		2" spacing	Standard 3" spacing	4" spacing			
TC20360	116.7	19	29	39	360	1.5	160.0
TC20600	194.5	32	49	65	600	2.5	96.0
TC20840	272.4	45	68	91	840	3.5	68.6
TC21080	350.2	58	88	117	1080	4.5	53.3
TC21440	466.9	78	117	156	1440	6.0	40.0
TC21790	580.1	97	145	193	1790	7.5	32.2
TC22090	678.4	113	170	226	2090	8.7	27.6
TC22630	851.8	142	213	284	2630	11.0	21.9
TC22840	922.2	154	231	307	2840	11.8	20.3

### 120 Volt Mat

Item No. 120 V Mat	Heated Area	Mat Width (feet)	Mat Length (feet)	Watts (12 W/sq. ft.)	Amps	Ohms
TM1020	20	1.5	13.3	240	2.0	60.0
TM1030	30	1.5	20.0	360	3.0	40.0
TM1040	40	1.5	26.7	480	4.0	30.0

### 240 Volt Mat

Item No. 240 V Mat	Heated Area	Mat Width (feet)	Mat Length (feet)	Watts (12 W/Sq. ft.)	Amps	Ohms
TM2020	20	1.5	13.3	240	1.0	240.0
TM2040	40	1.5	26.7	480	2.0	120.0
TM2050	50	1.5	33.3	600	2.5	96.0
TM2100	100	1.5	66.7	1200	5.0	48.0
TM2120	120	1.5	80.0	1440	6.0	40.0

## WARRANTY INFORMATION

ComfortTile Heating Cables and Mats: 25-year limited warranty.

Thermostat: 2-year limited warranty.

ComfortTile mats/cables are UL approved for both US and Canada.

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