

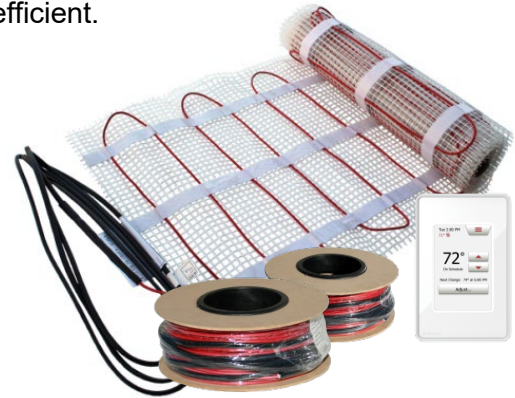
## ComfortTile Floor Heating – Data Sheet

## 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 Diameter	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 16 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

### Heating Cable



### 120 Volt Cable

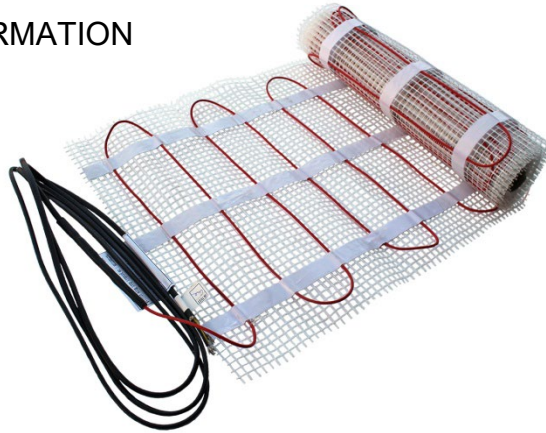
Item No. 120 V cable	Length (feet)	Approximate Heat Coverage (sq. ft.)			Watts (3 W/ft.)	Amps	Ohms
		2" spacing	Standard 3" spacing	4" spacing			
TC10120	38.9	8	10	13	120	1.0	120.0
TC10240	77.8	13	19	26	240	2.0	60.0
TC10360	116.7	19	29	39	360	3.0	40.0
TC10480	155.6	32	39	52	480	4.0	30.0
TC10600	194.5	32	49	65	600	5.0	24.0
TC10720	233.5	49	58	78	720	6.0	80.0
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
TC11420	461.1	96	115	154	1420	11.8	10.2

### 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			
TC20120	38.9	8	10	13	120	0.5	480.0
TC20240	77.8	16	19	26	240	1.0	240.0
TC20360	116.7	19	29	39	360	1.5	160.0
TC20480	155.6	32	39	52	480	2.0	120.0
TC20600	194.5	32	49	65	600	2.5	96.0
TC20840	272.4	45	68	91	840	3.5	68.6
TC20960	311.3	65	78	104	960	4.0	60.0
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
TC22420	783.3	163	196	261	2420	10.1	23.7
TC22630	851.8	177	213	284	2630	11.0	21.9
TC22840	922.2	192	231	307	2840	11.8	20.3

## ORDERING INFORMATION

### Heating Mats



#### 120 Volt Mat

Item No. 120 V Mat	Heated Area (feet)	Mat Width (feet)	Mat Length (feet)	Watts (12 W/sq. ft.)	Amps	Ohms
TM1010	10-12	1.5	6.7	120	1.0	120.0
TM1020	20-23	1.5	13.3	240	2.0	60.0
TM1030	30-35	1.5	20.0	360	3.0	40.0
TM1040	40-47	1.5	26.7	480	4.0	30.0
TM1050	50-58	1.5	33.3	600	5.0	24.0
TM1060	60-70	1.5	40.0	720	6.0	20.0
TM1070	70-82	1.5	46.7	840	7.0	17.1
TM1080	80-93	1.5	53.3	960	8.0	15.0

#### 240 Volt Mat

Item No. 240 V Mat	Heated Area (feet)	Mat Width (feet)	Mat Length (feet)	Watts (12 W/Sq. ft.)	Amps	Ohms
TM2010	10-12	1.5	6.7	120	0.5	480.0
TM2020	20-23	1.5	13.3	240	1.0	240.0
TM2030	30-35	1.5	20.0	360	1.5	160.0
TM2040	40-47	1.5	26.7	480	2.0	120.0
TM2050	50-58	1.5	33.3	600	2.5	96.0
TM2060	60-70	1.5	40.0	720	3.0	80.0
TM2070	70-82	1.5	46.7	840	3.5	68.6
TM2080	80-93	1.5	53.3	960	4.0	60.0
TM2090	90-105	1.5	60.0	1080	4.5	53.3
TM2100	100-117	1.5	66.7	1200	5.0	48.0
TM2120	120-140	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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