

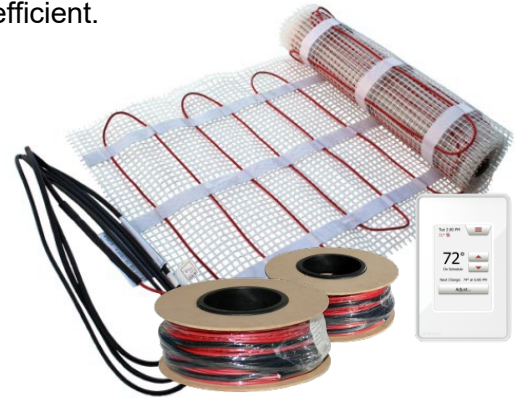
ComfortTile Floor Heating – Data Sheet

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 ² (130W/m ²) ±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

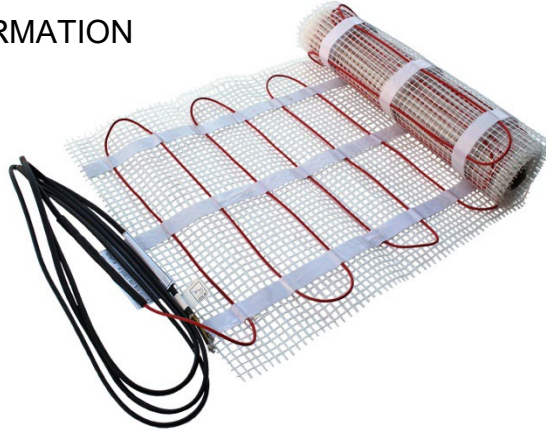
| Item No. 120 V cable | Length (feet) | Approximate Heat Coverage (sq. ft.) | | | Watts (3 W/ft.) | Amps | Ohms |
|----------------------------|------------------|-------------------------------------|------------------------|------------|--------------------|------|-------|
| | | 2" spacing | Standard 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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