

is Right for Me?



Product Selection Chart for Cable Kits

Select Floor Warming kit voltage, 120V or 240V, to match your power supply. For areas larger than 70 ft² (6.50 m²), the 240V kits may be more economical. Use Standard 3" (7.61 cm) spacing for rooms above heated areas. Use Alternate 3", 1.5", 3" (7.61 cm, 3.80 cm, 7.61 cm) spacing for rooms above unheated areas, concrete slabs or high heat loss areas. All measurements are per kit.

Warm Tiles 120V Cable Kits

Model No.	Heated Area Standard FT ² (m ²)	Heated Area Alternating FT ² (m ²)	Amps*
DFT 1011 BLUE	9-13 (0.84-1.21)	7-9 (0.65-0.84)	1.1
DFT 1016 RED	14-18 (1.30-1.67)	10-13 (0.93-1.21)	1.6
DFT 1022 GREEN	19-26 (1.77-2.42)	14-19 (1.30-1.77)	2.2
DFT 1030 YELLOW	27-34 (2.51-3.16)	20-26 (1.86-2.42)	3.0
DFT 1039 PURPLE	35-42 (3.25-3.90)	27-33 (2.51-3.07)	4.0
DFT 1048 ORANGE	43-54 (3.99-5.02)	34-39 (3.16-3.62)	5.1
DFT 1059 BROWN	55-65 (5.11-6.04)	40-48 (3.72-4.46)	6.4
DFT 1069 BEIGE	66-72 (6.13-6.69)	49-54 (4.55-5.02)	7.5
DFT 1079 WHITE	73-82 (6.78-7.62)	55-62 (5.11-5.76)	8.5
DFT 1088 PINK	83-92 (7.71-8.55)	63-69 (5.85-6.41)	8.8
DFT 1098 SILVER	93-102 (8.64-9.48)	70-76 (6.50-7.06)	9.6
DFT 1108 BLACK	103-113 (9.57-10.50)	77-85 (7.15-7.90)	10.7

Warm Tiles 240V Cable Kits

Model No.	Heated Area Standard FT ² (m ²)	Heated Area Alternating FT ² (m ²)	Amps*
DFT 2021	18-25 (1.67-2.32)	13-19 (1.21-1.77)	1.1
DFT 2031	26-35 (2.42-3.25)	20-27 (1.86-2.51)	1.6
DFT 2053	48-55 (4.46-5.11)	35-44 (3.25-4.09)	2.6
DFT 2065	60-70 (5.57-6.50)	45-54 (4.18-5.02)	3.3
DFT 2078	71-83 (6.60-7.71)	55-63 (5.11-5.85)	4.0
DFT 2095	90-100 (8.36-9.29)	64-75 (5.95-6.97)	5.1
DFT 2118	110-130 (10.22-12.08)	84-94 (7.80-8.73)	6.3
DFT 2137	131-145 (12.17-13.47)	95-108 (8.83-10.03)	7.5
DFT 2157	146-165 (13.56-15.33)	109-125 (10.13-11.61)	8.4
DFT 2175	166-184 (15.42-17.09)	126-138 (11.71-12.82)	8.8
DFT 2195	185-204 (17.19-18.95)	139-153 (12.91-14.21)	9.6
DFT 2215	205-225 (19.50-20.90)	154-169 (14.31-15.70)	10.7

* **CAUTION:** Kit combinations that exceed 10 Amps should be connected by a qualified electrician.

You must use the Warm Tiles Relay Kit when you are connecting two or more floor warming kits that have a combined total load amperage which exceeds 16 amps.



Warm Tiles Cable System

The Warm Tiles® Floor Warming Kit Includes:

- Warm Tiles Floor Warming Cable • Strapping
- Extra Clips • Multi-lingual Installation Instructions
- User's Guide • Warranty Details

You Will Need:

Warm Tiles Thermostat kit, sold separately in Programmable or Non-Programmable models.





We Make It

Even in warm climates, tile and stone can feel uncomfortably cold.

If the square footage of your heated area does not match a Warm Tiles Cable kit, you will need to adjust your walkable heated areas accordingly.

If total square footage is higher:

Reduce heated area.

If total square footage is lower:

Tighten cable spacing.

The Actual Coverage Chart provides you the exact square footage that each cable kit will cover. Heating Cables **CANNOT BE CUT** and must be embedded completely in mortar beneath the floor finish. Remember to follow the detailed instructions provided to you in each cable kit when installing your system.

Warm Tiles Cables

Actual Coverage Area

Easy Heat Item No.	Standard 3" Spacing		Alternating 3", 1.5" Spacing	
	ft ²	(m ²)	ft ²	(m ²)
120 VOLT KITS				
DFT 1011	11	(0.98)	8	(0.74)
DFT 1016	16	(1.44)	12	(1.11)
DFT 1022	21	(2.00)	17	(1.58)
DFT 1030	30	(2.81)	23	(2.14)
DFT 1039	39	(3.60)	29	(2.69)
DFT 1048	48	(4.43)	37	(3.44)
DFT 1059	59	(5.46)	44	(4.09)
DFT 1069	69	(6.41)	51	(4.74)
DFT 1079	79	(7.34)	58	(5.39)
DFT 1088	88	(8.18)	64	(5.95)
DFT 1098	98	(9.10)	72	(6.69)
DFT 1108	108	(10.03)	80	(7.43)
240 VOLT KITS				
DFT 2021	21	(1.95)	15	(1.39)
DFT 2031	31	(2.88)	23	(2.13)
DFT 2053	53	(4.93)	38	(3.53)
DFT 2065	65	(6.04)	48	(4.46)
DFT 2078	78	(7.25)	57	(5.30)
DFT 2095	95	(8.83)	70	(6.50)
DFT 2118	118	(10.96)	87	(8.08)
DFT 2137	137	(12.73)	102	(9.48)
DFT 2157	157	(14.59)	116	(10.78)
DFT 2175	176	(16.35)	131	(12.17)
DFT 2195	196	(18.21)	145	(13.47)
DFT 2215	216	(20.07)	160	(14.86)

Warm Tiles® Cable Systems Specifications:

Applicable Standard

UL(US)1673; UL (CAN/CSA) C22.2 #130.2; NEC Article 424.
ASTM C627 Residential, Light Commercial

Physical Properties

Warm Tiles heating cables typically consist of dual alloy conductors insulated with Fluoropolymer. The conductors are enclosed by a PVC rounder that is covered by copper ground braid and covered with a Nylon jacket. The DFT dual conductor cold lead is 10' (3 m) and consists of two separate insulated conductors covered by a copper ground braid and covered with an outer PVC outer jacket.

Working Properties

The Warm Tiles Cables operate on (select 120 or 240) volts. The cables typically have a wattage output of 12 W/ft² (129 W/m²) to 15 W/ft² (172 W/m²) at (select 120 or 240) volts.

Installation Over Double Layer Plywood

When installing Warm Tiles Floor Warming Cable System over a plywood surface, be sure that the substrate is strong enough to support a tile or stone floor finish. Make sure your floor finish is installed according to the Tile Council of America for the United States or by the Terrazzo, Tile and Marble Association of Canada.

Installation Over Cement Backerboard

Install Cement Backerboard per installation instructions provided by manufacturer. Make sure your floor finish is installed according to The Tile Council of America for the United States or Terrazzo, Tile and Marble Association of Canada.

Installation Over Concrete

Rough or uneven concrete surfaces should be made smooth with a Portland cement underlayment to provide a wood float (or better) finish. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. New concrete slabs must be plum and true to within .25" (6 mm) in 10' (3 m).

Installation of Thermostat Sensor Wire

Secure the pigtail end of the Warm Tiles Thermostat sensor wire to the second pull cord with electrical tape and pull into the junction box. Create a channel for the sensor wire between cable runs. Fasten the sensor wire to the floor with the supplied clips, making sure you center the sensor bulb between cable runs.

Installation Using Crack Suppression Systems

Your floor warming system must be installed above the crack suppression system to achieve protection from stress cracks from the substrate below. Follow manufacturers installation instructions for the crack suppression system you have purchased.

Installation Using Anti-Fracture Membranes

Your floor warming system must be installed below the anti-fracture membrane. Follow manufacturer's installation instructions for the anti-fracture system you have purchased.

Installation Using Waterproofing Systems

Your floor warming system must be installed underneath the waterproofing system to protect it from water damage. Allow scratch coat to cure. Follow waterproofing manufacturers installation instructions for the system you have purchased.

• TCA Details of Radiant Heat on Wood Subfloor

- TCA RH1 30-05
- TCA RH1 35-05
- TCA RH1 40-05

• TCA Details of Radiant Heat on Concrete

- TCA RH1 15-05
- TCA RH1 16-05