

OTR series

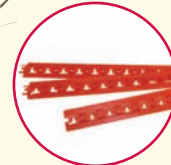
THERMA CABLE Floor Heating System

The comfort of radiant heating

The **Therma Cable** floor heating system provides comfort and well-being through radiant heating. By heating the floor itself instead of the surrounding air, the system provides indirect heat that radiates from the floor up and is absorbed by surrounding objects, warming the entire room. As an integrated heating system, **Therma Cable** produces enveloping heat that is also clean, cost-effective, uniform, and constant.

Whether it is used as additional comfort or as a primary heat source, **Therma Cable** is a safe and "green" heating solution that harnesses the benefits of radiant heating, a process that occurs naturally in nature and has long been under-utilized in the industry.

Therma Cable is intended for an installation with strapping, which is included with the product (plastic strapping).



Plastic strapping included



Floor sensor included

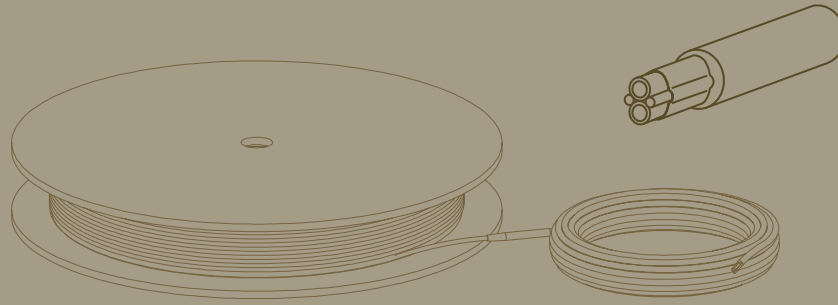


kitchen - bathroom - entrance way - family room - laundry room - living room

Features



- Voltage** - 120V, 240V/208V, 1 phase.
- Construction** - Heating cable made of a twin conductor for a simpler and faster installation, with negligible magnetic field.
 - Cold lead of 13' 6" (4.2 m) included.
- Watt density** - 3" (76 mm) spacing: 12W/sq. ft. (130W/sq. m).
 - 4" (102 mm) spacing: 9W/sq. ft. (100W/sq. m).
- Cold lead length** - 13' 6" (4.2 m).
- Control** - Non programmable electronic thermostat with backlit display and GFCI OTH700 series (120V or 240V/208V) sold separately.
 - Programmable electronic thermostat with backlit display and GFCI TH115 series (120V or 240V/208V) sold separately.
 - Slave unit CT230 series with GFCI (120V or 240V/208V) sold separately.
- Installation** - **Never cut or shorten the heating cable.**
 - For indoor residential applications only.
 - On concrete slab or plywood subfloor.
 - Plastic strapping included (3" (76 mm) and 4" (102 mm) spacing).
 - Galvanized strapping sold separately (3" (76 mm) and 4" (102 mm) spacing).
- Warranty** - 25-year warranty on heating wire.
 - 1-year warranty on thermostat.



Therma Cable Floor Heating System

Product #		Length		Covered Surface** 3" Spacing (76 mm)		Covered Surface** 4" Spacing (102 mm)		Watts
240V/208V	120V	ft.	m	12W/sq. ft.	130W/sq. m	9W/sq. ft.	100W/sq. m	
----	OTR0082-G25	32	9.75	8	0.7	11	1.0	85
----	OTR0122-G25	40	12.19	10	0.9	13	1.2	120
----	OTR0152-G25	52	15.85	13	1.2	17	1.6	150
OTR0170-G25	OTR0172-G25	60	18.29	15	1.4	20	1.9	170
OTR0240-G25	OTR0242-G25	80	24.38	20	1.9	27	2.5	240
OTR0300-G25	OTR0302-G25	100	30.48	25	2.3	33	3.1	300
OTR0360-G50	OTR0362-G50	120	36.58	30	2.8	40	3.7	360
OTR0420-G50	OTR0422-G50	140	42.67	35	3.3	47	4.3	420
OTR0475-G50	OTR0472-G50	160	48.77	40	3.7	53	5.0	475
OTR0600-G75	OTR0602-G75	200	60.96	50	4.6	67	6.2	600
OTR0720-G75	OTR0722-G75	240	73.15	60	5.6	80	7.4	720
OTR0840-G75	OTR0842-G75	280	85.34	70	6.5	93	8.7	840
OTR0960-G75	OTR0962-G75	320	97.54	80	7.4	107	9.9	960
OTR1080-G100	----	360	109.73	90	8.4	120	11.2	1080
OTR1200-G100	----	400	121.92	100	9.3	133	12.4	1200
OTR1440-G125	----	480	146.30	120	11.2	160	14.9	1440
OTR1600-G125	----	560	170.69	140	13.0	187	17.4	1600
OTR1920-G150	----	640	195.07	160	14.8	213	19.8	1920

208V = 75% of wattage at 240V.

15' floor sensor and 13' 6" cold lead included.

* The length of plastic strapping included is based on a square room with strapping every 24" (610 mm).
Example: OTR0170-G25 includes 25 ft. of plastic strapping.

** Does not represent the surface of the room but rather the surface covered by the floor heating system, excluding fixtures and other spaces to consider.

Accessories

Product #	Description
OTR-G25	25 ft. plastic strapping
OTR-G25-G	25 ft. galvanized strapping
OTM-CC	CableCheck – Electrical Fault Indicator
OTR-S	15' floor sensor
OTM-KIT	Repair kit

Installation steps



Assemble required materials



Clean the subfloor and mark the work site.



Test the integrity of the cable. Carefully read the installation guide prior to installing the heating cable.



Install strapping.



Make a groove to hold the cold lead connection with the heating cable.



Install **Therma Cable**.

When installed, test the integrity of the cable and record the readings on the measurement table.



Install floor temperature sensor.



Spread self-levelling cement and allow to dry. Floor covering may now be installed. Test the integrity of the cable before and after embedding the heating cable in cement and record the readings on the measurement table.



When connecting the system to the thermostat, test the integrity of the cable and record the readings on the measurement table.



Before turning on the **Therma Cable** floor heating system, make sure all construction materials are well cured (check manufacturer instructions).

