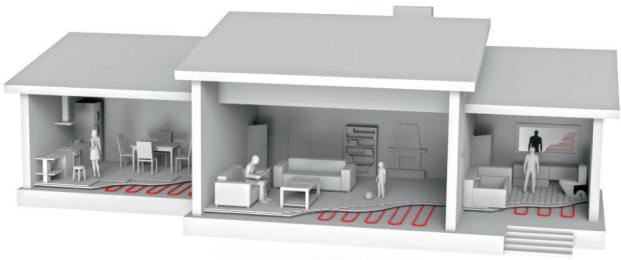


COMFORT
HEAT



New generation
heating cable
system





Comfort Heat heating cable system is designed for effective room heating in private houses, flats as well as for offices and industrial buildings. Floor heating system is invisible and can be installed in all types of floor: whether it is new or renovated. As the floor heating system is hidden under the floor, it extends possibilities for furnishing and interior design.

Comfort Heat heating cable system provides pleasant heat for everyone, it maintains 22°C temperature in all the living area and in this way decreases energy losses up to 20 %, when compared with conventional types of room heating.

Comfort Heat heating cable system consists of heating cables **CTAV-10**, **CTAV-18** and thermostats **C510T**, **Comfort Touch**. The smart thermostat **Comfort Touch** is controlled with your fingertips and ensures pleasant heat and comfort for your home at a minimum cost. It both saves your time and ensures minimal energy consumption.

Comfort Heat floor heating system:

Managed by your fingertips,
Invisible in your modern home design,
Simple to install and long living,
Saving your time and money,
Environmentally friendly,
Thinks about comfort in your home one step ahead.

Floor heating installation

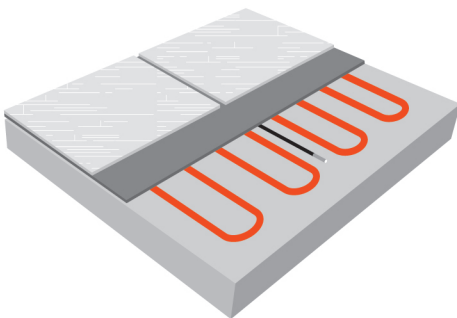
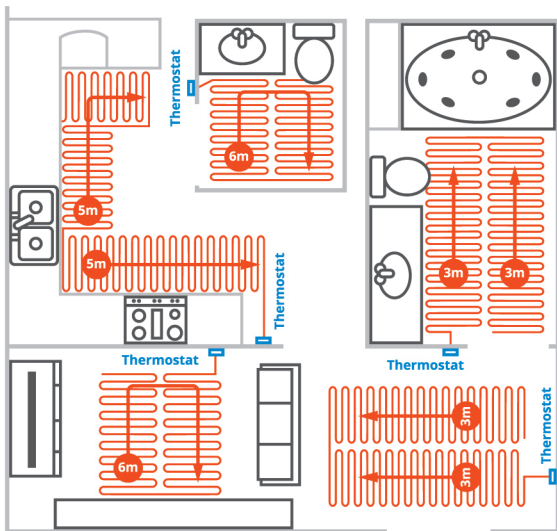
1. To start with, it is necessary to calculate "free – unfurnished" floor area. This means that the area covered by cupboards, bathtubs, lavatories, etc. needs to be taken off from the total area of the room. We calculate the output needed for heating of this area and select the heating cable [CTAV-18](#) or [CTAV-10](#).
2. Heating cable [CTAV-18](#) is used in concrete floors (tiles, marble or carpeting), recommended output is 100-150W/m².
3. [CTAV-18](#) is used for accumulative heating, recommended output 150-200W/ m².
4. [CTAV-18](#) is recommended for cold zones heating (large windows and doors areas), recommended output 200-250W/m².
5. Heating cable [CTAV-10](#) can be installed under all kinds of wooden floors such as parquet or laminated flooring, recommended output 80-100W/ m².
6. We select the smart Thermostat [Comfort Touch](#) for the floor heating control.



Heating cable CTAV-18

Under concrete, marble or tile flooring

Heating cable (230V)		Bathroom	Kitchen	Hall
Length (m)	Output (W)	area (m ²)	area (m ²)	area (m ²)
8	160	1	1,5	1,5
14	260	2	2,5	2,5
18	320	2,5	3	3
24	420	3	4	4
28	520	3,5	5	5
34	600	4	6	6
46	830	5,5	8	8
57	1000	6,5	10	10
69	1200	8	12	12
83	1500	10	15	15
100	1700	11	17	17
123	2200	14,5	22	22
150	2600	17	26	26
166	2850	19	29	29



Heating cable CTAV-10

Under parquet, laminated flooring

Heating cable (230V)		Kitchen	Room	Hall
Length (m)	Output (W)	area (m ²)	area (m ²)	area (m ²)
10	120	1,2	1,2	1,2
20	250	2,5	2,5	2,5
30	320	3,2-3,5	3,2	3,2
40	400	4,0	4	4
50	520	5,2-5,5	5,2	5,2
60	600	6,0-6,5	6,0	6,0
70	750	7,5-9,0	7,5	7,5
90	950	9,5-11,0	9,5	9,5
120	1100	11,0-13,0	11,0	11,0
130	1300	13,0-16,0	13,0	13,0
160	1700	17,0-21,0	17,0	17,0
195	2000	20,0- 24,0	20,0	20,0



Thermostat C 501

The electronic Thermostat is equipped with an external (floor) sensor. It is installed into a wall. The Thermostat has a night setback temperature function and fixed frost protection switch at +5°C. Temperature setting range is (+5...+40°C), 14A, IP 21.



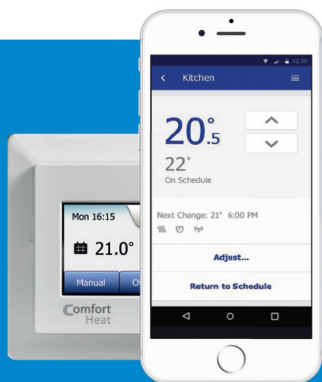
Comfort Touch

The electronic clock thermostat ComfortTouch, with fine LCD display comes with floor temperature sensor and energy consumption management system. ComfortTouch thermostat has pre-programmed functions adjusted to climate and weekly mode. Factory settings and data are retrieved beyond power failure. Energy consumption management system informs of percentage consumption of adjusted temperature levels, what your monthly consumption is, and upcoming year's expenditure. Temperature setting range is (+5...+40°C), 16A, IP 21.

NEW

Comfort Wi-Fi thermostat

gives you the opportunity to control your heating system via smartphone



Connection: Wi-Fi connectivity enables remote access to monitor and control the home heating system.



Smart device control: the easiest way to control your heating system with smartphone or tablet whenever you are at home or on the other side of the globe.



Programmable: easy scheduling and adaptive control ensure that comfort temperature is set at the required time.

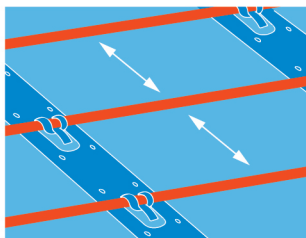


Energy scheduling: continuous control and monitoring of energy consumption enable financial savings.

Cable installation



Installation tape is mounted onto clean surface (concrete) within 0.5 meter intervals.



Cable is installed when fixing it on the installation tape, distance between cable thread is calculated:

$$C-C = \frac{\text{heating area}}{\text{heating cable length}}$$



Minimum bending radius has to be 8 diameters of the cable.



Heating cable has to be fixed to the installation tape using hooks.

HEAT MATH CALCULATION TOOL

HEAT MATH is a universal calculation tool for electric heating systems designed with easy Click steps that provide an automatic selection of recommended Comfort Heat products for different applications and rooms. It takes only 5 minutes to get a full heating system for your home.



<https://comforheat.eu/calculators/>

**COMFORT
HEAT**

Comfort Heat UAB

T.: + 370 5 270 4596 | M.: + 370 686 08745

Laisvės pr. 123, LT- 06118 Vilnius, Lietuva

info@comforheat.eu | www.comforheat.eu