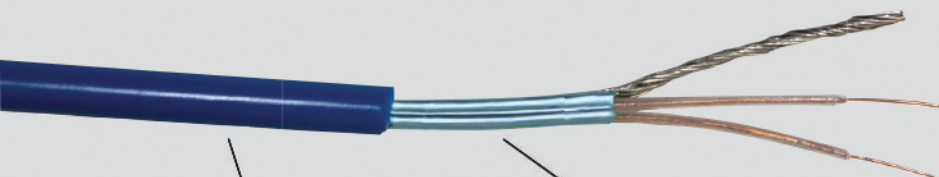# Electric **Floor Heat**

Introducing the highest quality, easiest to install in-floor heating solution available.

✔ Professional-grade quality components

✔ Effective beneath engineered wood, tile and stone

✔ Emits zero EMF (electromagnetic fields)

✔ Innovative mat system speeds installation

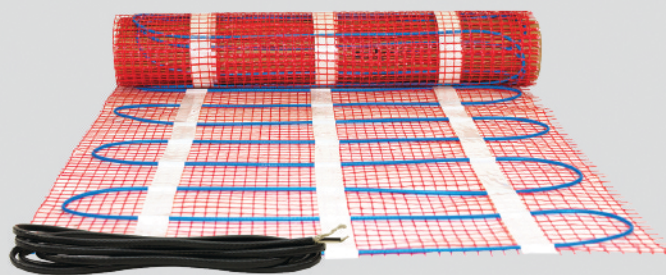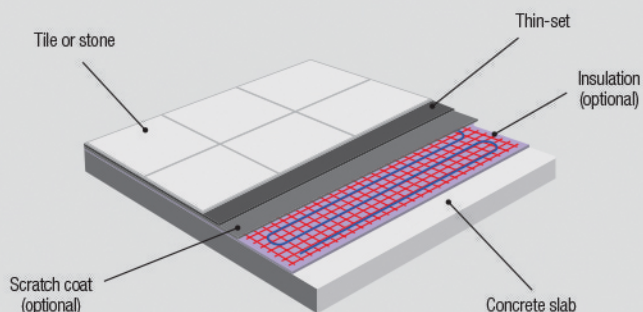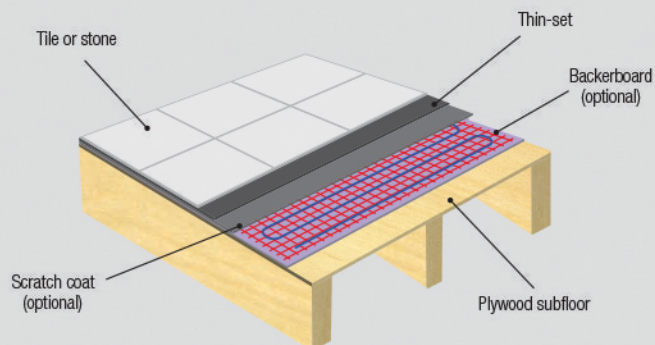✔ Approved for wet and dry locations

✔ Twenty-year limited warranty

Tile or stone · Thin-set · Backerboard (optional) · Scratch coat (optional) · Plywood subfloor

Tile or stone · Thin-set · Insulation (optional) · Scratch coat (optional) · Concrete slab

Technical Information

Cable Type	Twin heating conductors with ground
Conductor Insulation	Fluoropolymer
Outer Jacket Insulation	Rugged PVC jacket
Cable Diameter	1/8" to 1/6" (3.2mm to 4.2mm)
Heating Mat Coverage	From 10 Sq. Ft. to 160 Sq. Ft.
Minimum Bending Radius	1" (25.4mm)
Voltage Ratings	120V and 240V. (240V cables are approved for 208V applications, power output wattage is reduced by 25%.)
Output Rating (linear)	3 watts per linear ft, 9.9 watts per linear meter
Output Rating (area)	3" Spacing 12 watts/ft², 129 watts/m²
Cold lead for Power Connection	2-wire 16 AWG plus ground braid; 10ft (3m) length

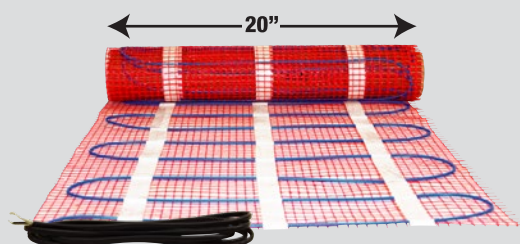The flexible PVC outer jacket unrolls flat for a fast tangle-free installation.

The aluminum sheath completely eliminates electromagnetic fields.

Mat box contents: *Each mat box includes a roll of mat and strapping. Thermostat, Floor Sensor and Cable Alarm are optional.*

Model Code:

FCM	1	-10	
A	B	C	

A: Floor Mat
B: 12 – 120V
 24 – 240V
C: Coverage Area in Sq/Ft
D: T – Includes thermostat
 TA – Thermostat & alarm

20"

Heated Floor Mat
Electric In-Floor Heating System

In-Floor Heating Mat provides comfort and well-being through radiant heating. Ideal for kitchens & bathrooms.

FCM Electric In-Floor Heating Mat Features

- Provides everything needed for easy installation
- 12 Watts/Sq. Ft., available in 120V and 240V
- Professional grade quality components
- 10 Ft. Cold Lead
- Tefzel® Insulation, PVC Jacket

- No EMF, twin conductor
- Pre-sized kits range from 10 to 160 square feet
- For use with engineered wood, laminate wood, tile, stone floors
- Phone & email support, online video for easy installation steps
- Twenty year limited warranty
- Low memory design, cable stays flat, adhesive backing

CSA c US
UL c US LISTED

120V

MODEL	UPC	VOLTS	MAT LENGTH	HEATED AREA (20" WIDE)	WATTS	AMPS
FCM1-10	40200	120	6.1'	10 SQ. FT.	120	1.0
FCM1-15	40201	120	9.1'	15 SQ. FT.	180	1.5
FCM1-20	40202	120	12.2'	20 SQ. FT.	240	2.0
FCM1-25	40203	120	15.2'	25 SQ. FT.	300	2.5
FCM1-30	40204	120	18.3'	30 SQ. FT.	360	3.0
FCM1-35	40205	120	21.3'	35 SQ. FT.	420	3.5
FCM1-40	40206	120	24.4'	40 SQ. FT.	480	4.0
FCM1-50	40207	120	30.5'	50 SQ. FT.	600	5.0
FCM1-60	40208	120	36.6'	60 SQ. FT.	720	6.0
FCM1-70	40209	120	42.7'	70 SQ. FT.	840	7.0
FCM1-80	40210	120	48.8'	80 SQ. FT.	960	8.0
FCM1-90	40211	120	54.9'	90 SQ. FT.	1080	9.0
FCM1-100	40212	120	61.0'	100 SQ. FT.	1200	10.0

240V

MODEL	UPC	VOLTS	MAT LENGTH	HEATED AREA (20" WIDE)	WATTS	AMPS
FCM2-20	40213	240	12.2'	20 SQ. FT.	240	1.0
FCM2-25	40214	240	15.2'	25 SQ. FT.	300	1.3
FCM2-30	40215	240	18.3'	30 SQ. FT.	360	1.5
FCM2-35	40216	240	21.3'	35 SQ. FT.	420	1.8
FCM2-40	40217	240	24.4'	40 SQ. FT.	480	2.0
FCM2-50	40218	240	30.5'	50 SQ. FT.	600	2.5
FCM2-60	40219	240	36.6'	60 SQ. FT.	720	3.0
FCM2-70	40220	240	42.7'	70 SQ. FT.	840	3.5
FCM2-80	40221	240	48.8'	80 SQ. FT.	960	4.0
FCM2-90	40222	240	54.9'	90 SQ. FT.	1080	4.5
FCM2-100	40223	240	61.0'	100 SQ. FT.	1200	5.0
FCM2-110	40224	240	67.1'	110 SQ. FT.	1320	5.5
FCM2-120	40225	240	73.2'	120 SQ. FT.	1440	6.0
FCM2-145	40226	240	88.4'	145 SQ. FT.	1740	7.3
FCM2-160	40227	240	97.5'	160 SQ. FT.	1920	8.0

ACCESSORIES

-T	Packaged with F902 GFCI Thermostat and Floor Sensor
-TA	Packaged with F902 GFCI Thermostat, Floor Sensor and Cable Alarm

See FC/FCM Accessories page 5 for complete listing of accessories

Cable Alarm   Floor Sensor   F902 GFCI Thermostat