

Electric In-Floor Heat



Electric In-Floor Heating Systems

King's In-Floor Heating systems provide the affordable luxury of comfort through radiant heating. Ideal for kitchens & bathrooms, in-floor heating is the easiest way to add warmth to your home. Whether using the FC Cable series or FCM Mat series, you will be completely satisfied with the results.

FCM Series Mats offer the easiest solution for in-floor heating, providing pre-fabricated mats with 3" spacing that can be rolled out quickly before final installation of the engineered wood, laminate wood, tile or stone floor. The Mat series is specifically designed for the homeowner or contractor that wants an easy and fast installation. The mat is easily cut and flipped to conform to any custom layout, refer to example below. Mats are sold separately in pre-packaged kits, which can include a thermostat, cable alarm and floor sensor.

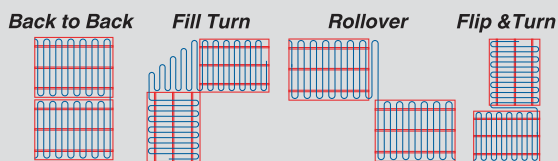
FC Series Cable offers the flexibility to lay out and space the cable specific to an individual application. King's unique Fast-Set strapping system makes it easy to design a custom layout to maximize the coverage area. Simply install the strapping, lace the cable in a serpentine pattern as needed to work around fixtures and cabinets, making a precise in-floor heating solution. Cable is sold with strapping and in pre-packaged kits, which can include a thermostat, cable alarm and floor sensor.

FC Installation

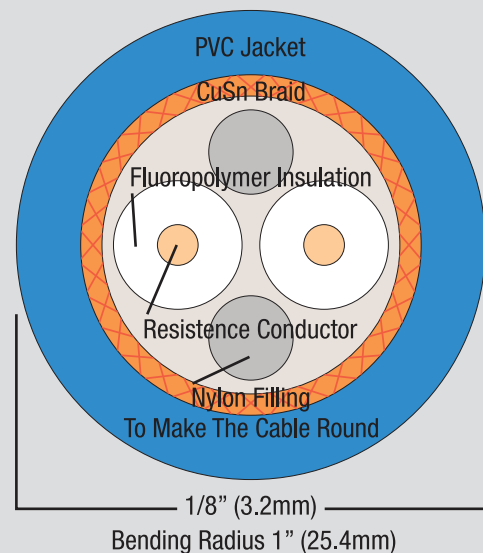


When using In-floor cable for engineered floors & laminated wood, check with your flooring manufacturer for compatibility.

Easy to Install FCM Examples



FC & FCM Cable Constructions





Electric In-Floor Heating Cable



Model Code:

FC 12 120 -3
A B C D

A: Floor Cable

**B: 12 - 120V
24 - 240V**

C: Watts (120 to 2880)

D: -3 - Includes strapping

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

FC Electric In-Floor Heating Cable Features

- Provides everything needed for easy installation
- 3 Watts/Ft., available in 120V and 240V
- Innovative strapping system included
- 10 Ft. Cold Lead
- Twenty year limited warranty
- No EMF, twin conductor
- Pre-sized kits range from 5 to 320 square feet
- For use with engineered wood, laminate wood, tile, stone floors
- Professional grade quality components
- Phone & email support, online video for easy installation steps
- Tefzel® Insulation, PVC Jacket



120V

MODEL	UPC	VOLTS	STANDARD (3" SPACING)	(2" SPACING)	(4" SPACING)	WATTS	AMPS	INCLUDED STRAPPING
FC12120-3	40228	120	10 SQ. FT.	5 SQ. FT.	15 SQ. FT.	120	1.0	10 PCS
FC12180-3	40229	120	15 SQ. FT.	10 SQ. FT.	20 SQ. FT.	180	1.5	12 PCS
FC12240-3	40230	120	20 SQ. FT.	15 SQ. FT.	25 SQ. FT.	240	2.0	20 PCS
FC12300-3	40231	120	25 SQ. FT.	18 SQ. FT.	35 SQ. FT.	300	2.5	20 PCS
FC12360-3	40232	120	30 SQ. FT.	20 SQ. FT.	40 SQ. FT.	360	3.0	20 PCS
FC12480-3	40233	120	40 SQ. FT.	25 SQ. FT.	55 SQ. FT.	480	4.0	30 PCS
FC12600-3	40234	120	50 SQ. FT.	35 SQ. FT.	65 SQ. FT.	600	5.0	30 PCS
FC12720-3	40235	120	60 SQ. FT.	40 SQ. FT.	80 SQ. FT.	720	6.0	40 PCS
FC12840-3	40236	120	70 SQ. FT.	45 SQ. FT.	95 SQ. FT.	840	7.0	40 PCS
FC12960-3	40237	120	80 SQ. FT.	55 SQ. FT.	105 SQ. FT.	960	8.0	50 PCS
FC121080-3	40238	120	90 SQ. FT.	60 SQ. FT.	120 SQ. FT.	1080	9.0	50 PCS
FC121200-3	40239	120	100 SQ. FT.	65 SQ. FT.	135 SQ. FT.	1200	10.0	60 PCS

240V

MODEL	UPC	VOLTS	STANDARD (3" SPACING)	(2" SPACING)	(4" SPACING)	WATTS	AMPS	INCLUDED STRAPPING
FC24240-3	40240	240	20 SQ. FT.	15 SQ. FT.	25 SQ. FT.	240	1.0	20 PCS
FC24360-3	40241	240	30 SQ. FT.	20 SQ. FT.	40 SQ. FT.	360	1.5	20 PCS
FC24480-3	40242	240	40 SQ. FT.	25 SQ. FT.	55 SQ. FT.	480	2.0	30 PCS
FC24600-3	40243	240	50 SQ. FT.	35 SQ. FT.	65 SQ. FT.	600	2.5	30 PCS
FC24720-3	40244	240	60 SQ. FT.	40 SQ. FT.	80 SQ. FT.	720	3.0	40 PCS
FC24840-3	40245	240	70 SQ. FT.	45 SQ. FT.	95 SQ. FT.	840	3.5	40 PCS
FC24960-3	40246	240	80 SQ. FT.	55 SQ. FT.	105 SQ. FT.	960	4.0	50 PCS
FC241080-3	40247	240	90 SQ. FT.	60 SQ. FT.	120 SQ. FT.	1080	4.5	50 PCS
FC241200-3	40248	240	100 SQ. FT.	65 SQ. FT.	135 SQ. FT.	1200	5.0	60 PCS
FC241320-3	40249	240	110 SQ. FT.	75 SQ. FT.	145 SQ. FT.	1320	5.5	60 PCS
FC241440-3	40250	240	120 SQ. FT.	80 SQ. FT.	160 SQ. FT.	1440	6.0	60 PCS
FC241680-3	40251	240	140 SQ. FT.	95 SQ. FT.	190 SQ. FT.	1680	7.0	70 PCS
FC241920-3	40252	240	160 SQ. FT.	105 SQ. FT.	210 SQ. FT.	1920	8.0	80 PCS
FC242160-3	40253	240	180 SQ. FT.	120 SQ. FT.	240 SQ. FT.	2160	9.0	80 PCS
FC242400-3	40254	240	200 SQ. FT.	135 SQ. FT.	265 SQ. FT.	2400	10.0	90 PCS
FC242880-3	40390	240	240 SQ. FT.	160 SQ. FT.	320 SQ. FT.	2880	12.0	90 PCS

MODEL	UPC	ACCESSORIES
UDG-4999	33165	Electronic Programmable Floor Stat with Floor Sensor, 15 Amp, 5mA/120/208/240V, GFCI
FCS11	40088	Heating Cable Monitor

See FC/FCM Accessories page 168 for complete listing of accessories



Strapping



Heating Cable Monitor



UDG-4999 Programmable



Floor Sensor
Included with Thermostat

Thermostats

In-Floor Heating (3-3.7W/Ft.) & Thermal Storage (6W/Ft.)



**KING
USG-4000
Slave**



**KING
UDG-4999
Programmable**



**OJ
UWG4-4999
WIFI Programmable**



**HONEYWELL/AUBE
TH115-AF-GA
Programmable**

King electronic thermostats are designed to achieve maximum comfort from King cable heating systems. Common feature to all models include:

- Three choices of temperature control: ambient air temperature, floor temperature or ambient air with floor limits.
- Advanced microprocessor optimizes performance by proportionally controlling the wattage to the cable saving energy and maintaining very accurate temperature control within $\pm 1^{\circ}\text{F}$, 0.5°C .
- Designed for maximum safety, they all include a ground-fault circuit interrupter (GFCI).
- A single touch activates the backlight display indicating the current set point.
- They are multi-volt and can be installed on 120, 208 and 240 volt circuits.

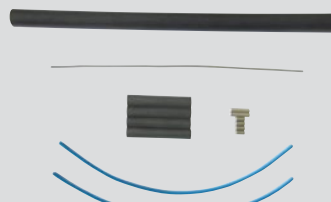
MODEL	UPC	DESCRIPTION
UDG-4999	33165	Electronic Programmable Floor Stat, 15 Amp, 5mA120/208/240V, GFCI
USG-4000	33166	King Recommended Slave Unit, 15 Amp, 5mA 120/208/240V, GFCI
UWG4-4999	42476	OJ Microline WIFI Touch Thermostat, 15A, 5mA, 120/240V, GFCI
TH115-AF-GA	38983	Honeywell/Aube Electronic Programmable, 15 Amp, 5mA, 120/208/240V, GFCI

** Must use one F912GFCI slave unit to switch each heating load zone (15A per zone). Must be programmed and controlled by thermostat models F802GFCI or F902GCI.

In-Floor Heating Accessories



**FCS1 Cable Strapping
(Included with Cable)**
For Use with FC Model Only.



**FCS13
(Repair Kit)**



**F8SENSOR
(King)**



**AC112-01/U
(Honeywell)**



**FCS11
(Cable Alarm)**

MODEL	UPC	DESCRIPTION
FCS11	40088	Heating Cable Monitor
FCS13	40092	Heating Cable Repair Kit
FCS1	40096	FC Cable Strapping
AC112-01/U	40094	Replacement Floor Sensor for Honeywell/Aube Thermostats
F8SENSOR	30761	Replacement Floor Sensor for King F902 GFCI Thermostats

