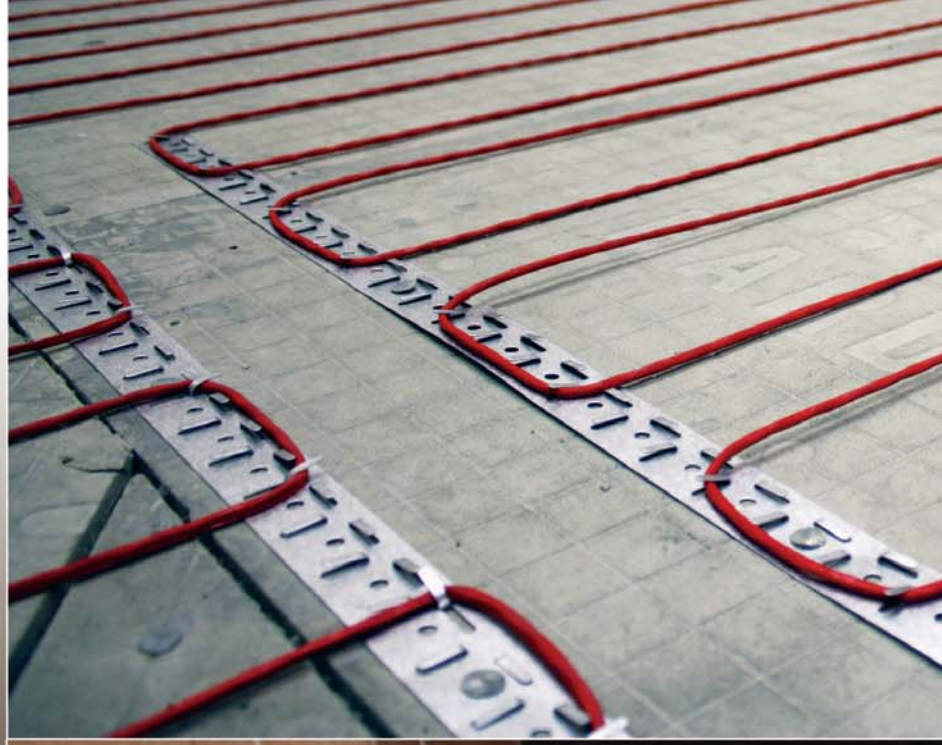
INFLOOR



# INFLOOR HEATING SYSTEMS

## BRINGING COMFORT TO YOUR HOME

ELECTRIC CABLE

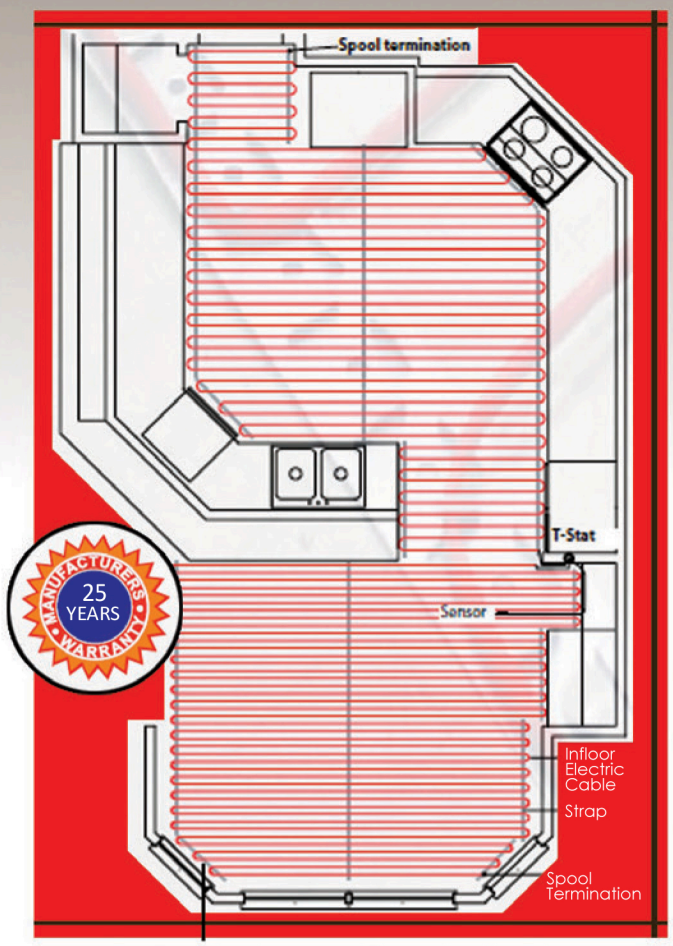
# INFLOOR ELECTRIC CABLE

## INFLOOR ELECTRIC CABLE

**Infloor Electric Cable is a simple, economical way to warm floors and provide years of lasting comfort. Warm all kinds of floor coverings: ceramic tile, stone, wood, laminates, vinyl, or carpet.**
**There's an electrical cable spool sized for your project. Lay out and attach the strap. Fasten the electric cable to the strap as you weave it back and forth across the floor. Put down a layer of thin-set mortar and set your tile or stone. Install a layer of self-leveling cement over the cables for hardwood, laminate, vinyl, or carpeted floors. Our installation manual manual shows all the details.**

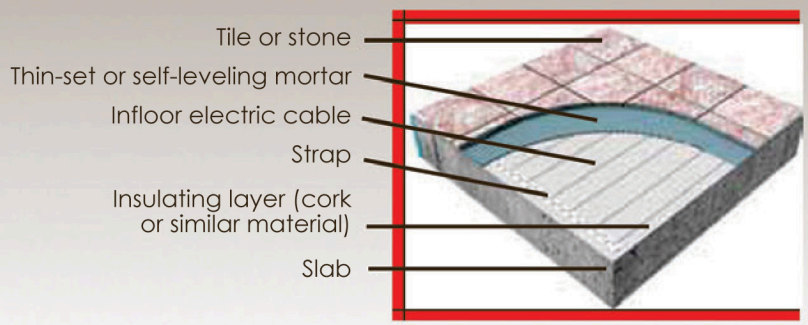
## KITCHEN/BREAKFAST LAYOUT

**Due to differences in heat loss between the kitchen and breakfast areas, two different spacings were used: 3" on center in the kitchen, and 2" on center in the breakfast area due to the higher heat loss. Warming unusual shapes in a floor plan, including these 45° angles, is easily accomplished with Infloor electric cable.**

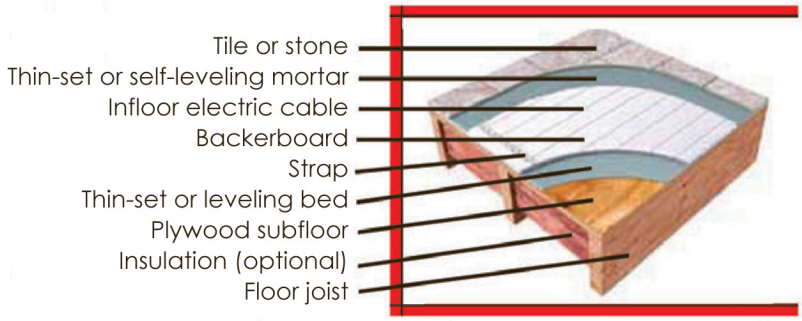



Warming unusual shapes in a floor plan, including these 45° angles, is easily accomplished with Infloor electric cable.

Infloor electric cable in thin-set on backer board on frame floor




Infloor electric cable in thin-set on backer board on frame floor




INFLOOR

# INFLOOR ELECTRIC CABLE

## INFLOOR ELECTRIC CABLE

• Evaluate how many square feet of floor to be heated. Do not put under cabinets or appliances. Generally, about 85–90% of the open areas should be heated. Leave the wire at least 4" away from the toilet wax ring and 4"–6" away from your walls. To keep toes warm, install right up to the toe-kick in front of kitchen or bath cabinets, and in front of a toilet, shower, or tub.

• Choose a "spacing factor" of 2", 2.5", or 3" on center. Below are guidelines for application and spacing recommendations.
• 2" on center = 15 Watts/sq. ft. Use on concrete basement slabs, sunrooms, and in other high heat loss areas.
• 2.5"on center = 12 Watts/sq. ft. Use in bathrooms, kitchens, dining/living areas, etc.
• 3" on center = 10 Watts/sq. ft. Use in hallways, entries, low heat loss areas, etc.
2.5" on center is the most commonly used spacing.

## INFLOOR ELECTRIC SPOOLS 120 VAC

| Total Sq. ft. 2" on center (15 W/sq. ft.) | Total Sq. ft. 2-1/2" on center (12 W/sq. ft.) | Total Sq. ft. 3" on center (10 W/sq. ft.) | Order Number | Wire Length Ft. | Amp Draw | REET Value* | Ship Weight (lb.) |
|---|---|---|---|---|---|---|---|
| 8 | 10 | 12 | 38600 | 47 | 1.0 | 0.16 | 2 |
| 12 | 15 | 18 | 38601 | 71 | 1.5 | 0.14 | 2.5 |
| 16 | 20 | 24 | 38602 | 94 | 2.0 | 0.16 | 2.5 |
| 20 | 25 | 30 | 38603 | 118 | 2.5 | 0.14 | 2.5 |
| 24 | 30 | 36 | 38604 | 141 | 3.0 | 0.16 | 2.5 |
| 28 | 35 | 42 | 38605 | 165 | 3.5 | 0.14 | 3 |
| 32 | 40 | 48 | 38606 | 188 | 4.0 | 0.14 | 3 |
| 36 | 45 | 54 | 38607 | 212 | 4.5 | 0.15 | 3.5 |
| 40 | 50 | 60 | 38608 | 235 | 5.0 | 0.16 | 3.5 |
| 48 | 60 | 72 | 38609 | 282 | 6.0 | 0.13 | 4 |
| 56 | 70 | 84 | 38610 | 329 | 7.0 | 0.14 | 4 |
| 64 | 80 | 96 | 38611 | 376 | 8.0 | 0.11 | 6 |
| 72 | 90 | 108 | 38612 | 423 | 9.0 | 0.14 | 9 |
| 80 | 100 | 120 | 38613 | 470 | 10.0 | 0.19 | 10 |

## INFLOOR ELECTRIC SPOOLS 240 VAC

| Total Sq. ft. 2" on center (15 W/sq. ft.) | Total Sq. ft. 2-1/2" on center (12 W/sq. ft.) | Total Sq. ft. 3" on center (10 W/sq. ft.) | Order Number | Wire Length Ft. | Amp Draw | REET Value* | Ship Weight (lb.) |
|---|---|---|---|---|---|---|---|
| 16 | 20 | 24 | 38700 | 94 | 1.0 | 0.16 | 2.5 |
| 24 | 30 | 36 | 38701 | 142 | 1.5 | 0.14 | 3 |
| 32 | 40 | 48 | 38702 | 188 | 2.0 | 0.16 | 3 |
| 40 | 50 | 60 | 38703 | 236 | 2.5 | 0.14 | 3.5 |
| 48 | 60 | 72 | 38704 | 282 | 3.0 | 0.16 | 3.5 |
| 56 | 70 | 84 | 38705 | 330 | 3.5 | 0.14 | 4 |
| 64 | 80 | 96 | 38706 | 376 | 4.0 | 0.14 | 4 |
| 72 | 90 | 108 | 38707 | 424 | 4.5 | 0.15 | 4 |
| 80 | 100 | 120 | 38708 | 470 | 5.0 | 0.16 | 7 |
| 96 | 120 | 144 | 38709 | 564 | 6.0 | 0.13 | 8 |
| 112 | 140 | 168 | 38710 | 658 | 7.0 | 0.14 | 9 |
| 128 | 160 | 192 | 38711 | 752 | 8.0 | 0.11 | 13 |
| 144 | 180 | 216 | 38712 | 846 | 9.0 | 0.14 | 15 |
| 160 | 200 | 240 | 38713 | 940 | 10.0 | 0.19 | 20 |

* The REET values listed above are 200% below daily exposure levels of the average U.S. citizen as reported by the National Institute of Environmental Health Sciences (NIEHS). Values are average electromagnetic field in milligauss.

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INFLOOR

# INFLOOR ELECTRIC CABLE IS EASILY SIZED FOR ANY PROJECT.

## INFLOOR ELECTRIC CABLE IS THE BEST.

- Twin-wire technology
- Durable
- Flexible
- Single power lead
- Oxygen-free heating elements
- Aramid reinforcing fibers
- ETFE insulation
- Braided metal jacket

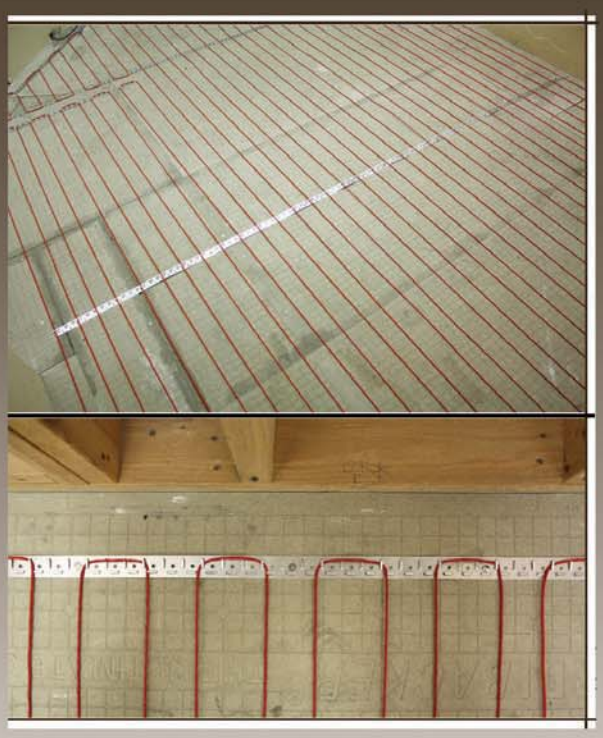
## OPERATING TIPS

When first energized, the electric cable may take up to 3 hours to fully warm your floor, although the actual time may vary depending on the ambient conditions. Energy consumption will vary depending on user preferences.

Energy consumption can be minimized by turning the system off when floor heating is not required, but time must also be allotted to re-warm the floor once the heating cycle is resumed. Infloor's programmable "setback" thermostats can reduce this time to less than one hour by decreasing the temperature set point during each of the setback periods to a user specified value.

Avoid placing thick mats or rugs on your heated floor, especially in the area where the sensor of a floor thermostat is located; such surface coverings impede the transfer of heat away from the cables and will cause the floor area beneath them to be warmer than in other areas. The use of bath mats and area rugs is acceptable, provided they are no more than ¼" in thickness. Avoid mats with rubber or vinyl type backing, as these may decompose in the presence of heat resulting in floor staining.

Avoid placing floor-level furniture such as futons or mattresses onto the floor directly over heated areas. This will also impede the transfer of heat away from the cables.



## CONTACT US TODAY

Contact your local Infloor Provider for a free consultation and quote. One of our expert representatives will be happy to answer any questions you may have.

INFLOOR

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