

INTERIOR SLAB HEATING CABLE

# SlabHeat™

The  
comfort  
of radiant  
without the  
mechanical  
room.



## SYSTEM CONTROL

SlabHeat™ controls are offered in non-programmable and programmable models. An integral relay system is offered to control large systems.

These dual-voltage controls sense floor or air temperature, have built-in GFCI protection and energy-saving "smart start" technology.

## TOUGH

SlabHeat is specifically engineered to handle a typical concrete pour. Each coil of SlabHeat cable can be installed on either 4" or 6" centers, ensuring even the most challenging spaces can be heated.



**SunStat™**  
Floor Sensing Thermostat  
Non-programmable

**SunStat Pro™**  
Floor Sensing Thermostat  
Programmable

**SunStat Relay™**  
Floor Sensing Thermostat  
For larger areas

## AVAILABLE LENGTHS

Model Number	Order Number	Cable Length	Sq. Ft. Coverage @4" OC (15w/sq ft)	Sq. Ft. Coverage @6" OC (10w/sq ft)	Voltage	Amp Draw	Total Watts	Resistance Range (Ohms)
<b>120VAC SlabHeat Cable</b>								
SH15120050HW	81014914	146	50	75	120V	6.3	750	16 - 21
SH15120066HW	81014915	193	66	98		8.3	990	11 - 15
SH15120082HW	81014916	241	82	122		10.3	1230	9 - 12
SH15120100HW	81014917	294	100	149		12.5	1500	7 - 10
SH15120114HW	81014918	336	114	170		14.3	1710	6 - 9
<b>240VAC SlabHeat Cable</b>								
SH15240100HW	81014919	294	100	149	240V	6.3	1500	33 - 41
SH15240132HW	81014920	388	132	196		8.3	1980	23 - 30
SH15240164HW	81014921	483	164	243		10.3	2460	18 - 23
SH15240200HW	81014922	590	200	297		12.5	3000	15 - 20
SH15240228HW	81014923	673	228	339		14.3	3420	13 - 17



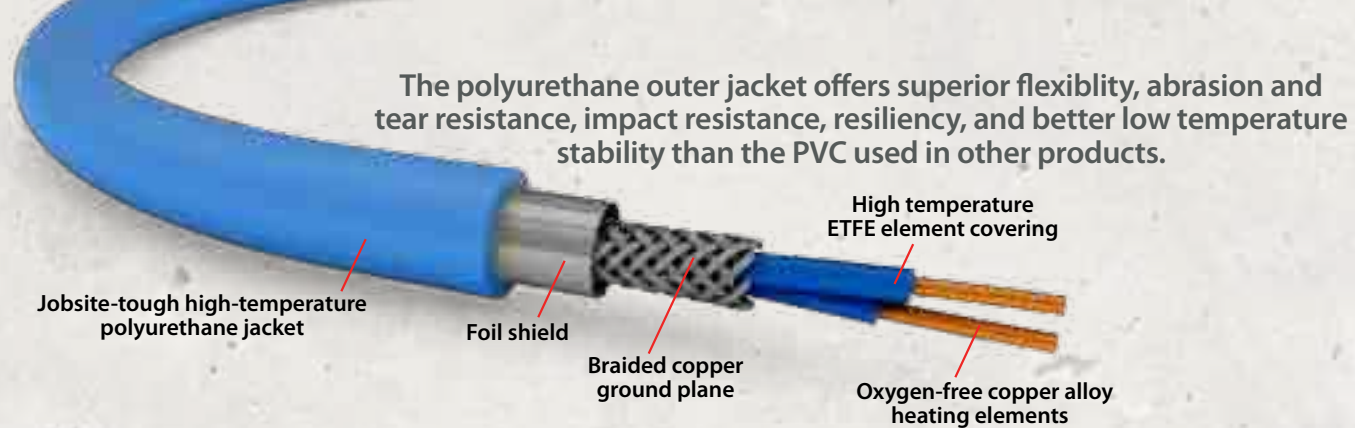
**In USA:**  
Watts Radiant, Inc.  
4500 E. Progress Place  
Springfield, MO 65803  
(800) 276-2419 toll free  
(417) 864-6108 phone  
(417) 864-8161 fax  
[wattsradiant.com](http://wattsradiant.com)

**In Canada:**  
5435 North Service Road  
Burlington, ON L7L 5H7  
(888) 208-8927 toll free  
(905) 332-4090 phone  
(905) 332-7068 fax  
[www.wattscanada.ca](http://www.wattscanada.ca)

**WattsRadiant™**  
Floor Heating & Snow Melting

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Floor Heating & Snow Melting  
A Watts Water Technologies Company



## INDOOR ELECTRIC RADIANT

SlabHeat™ is engineered with the capability to produce enough BTUs to heat a slab, the space, and the surface people walk on. Regardless of size, shape, or thickness, SlabHeat is the way to provide heat to just about any environment. SlabHeat can cover one large area or zoned into smaller areas to control heat when and where it is wanted.

## QUESTIONS & ANSWERS

### Can I cut the blue heating element cable if I have too much?

No. Each cable is built with a specific ohm (resistance) value with a specific heat output capability, so the length must remain as it came from the factory.

### What can I do if I have too much heating element on the job?

The element **can not** be cut to shorten the length. If spacing has been at 6" on center, spacing at 4" for part of the room might work, especially along an outside wall. Excess cable could also be placed as if to "outline" the perimeter of the room if edge space provides. The "halfway" mark on each length of cable is intended to help estimate whether the area to be heated is indeed half covered with cable. This halfway "check" makes it easier to judge whether spacing should be altered to use all the remaining cable.

### Can I shorten the shielded power lead? Can I shorten the sensor wire?

Yes and Yes. After pulling the shielded power lead and the white sensor wire into the control box in the wall, there will probably be some left over. Cut off the excess and make the connections to the SunStat control. Never cut the heating element wires or the sensor probe (the bulb at the end of the wire).

### If I have heating elements left over, can I cut them or leave them in the wall?

No. The blue heating element can't be cut or placed in the wall due to potential heat buildup.

### If I cut or damage the heating element, can it be repaired?

Never cut the blue heating element for any reason. If damage occurs during installation, call our toll free number at 1-888-432-8932 to discuss the use of a "Heating Wire Repair Kit". These kits should be installed by a licensed electrician.

### Do I need a GFCI in my circuit box to supply power for the HeatWeave system?

The National Electrical Code requires GFCI protection.

### What's the best way to secure SlabHeat cable?

It is zip tied to mesh at 4" or 6" spacing. Mesh or grid is typically wire tied to rebar.

### How deep in the slab should the SlabHeat cable be?

The best heating results where the cable is in the upper half of the slab. Usually chairs are used to hold the rebar above the base rock.



## Radiant Benefits:

- Maintenance-free
- No vents or duct work, silent heat
- Comfortable, even heat without the drying effects of forced air heating
- Efficient

## SlabHeat™ Features:

- The polyurethane outer jacket offers:
  - superior flexibility, abrasion and tear resistance
  - better low temperature stability than the PVC used in other products
- Reliable, durable design
- Tough - engineered to handle the rigors of concrete installation
- Engineered by a company with decades of experience in hydronic and electric radiant floor heating

## APPLICATION SECTIONS

