Electric Floor Heating
& Snow Melting Solutions

SunTouch®

A **WATTS** *Brand*
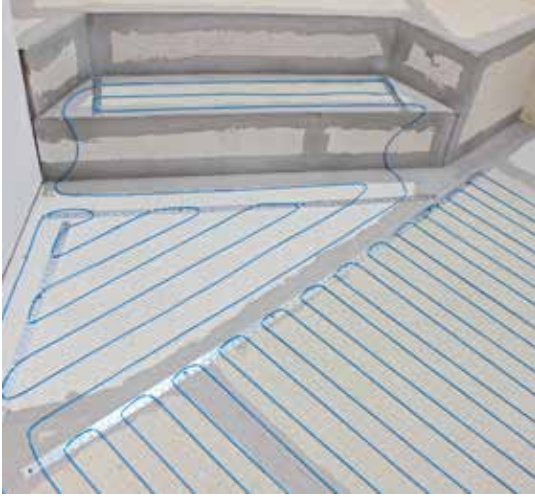
Comfort, convenience & reliability

SunTouch® products are designed to add comfort, convenience and reliability to homes and commercial buildings. With SunTouch, you can choose from a full line of electric floor heating and snow melting solutions that are easy to install and use.

Why Choose SunTouch?

- Flexible electric heating solutions for warming tile, stone, wood, carpet, laminate and other floor coverings
- Floor heating systems that cost only pennies a day to operate
- Product choices available for both new and retrofit construction
- Snow melting cables with polyurethane outer wire jacket for superior flexibility, abrasion and tear resistance
- Proven reputation with thousands of successful installations across North America
- World-class design, manufacturing and technical support with over 30 years in the floor heating business

SunTouch®

A **WATTS** Brand

SunTouch.com

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Open weave design for easy, 1-step mortar installation

- Order Custom TapeMat to match your floor plan or select a standard TapeMat roll size
- ShowerMat is sized to fit standard shower base sizes and includes an opening for the drain
- All offer 1-step application with thinset or self-leveler
- Open-weave mesh allows mortar to easily bond with underlying material
- 1/8" thickness added to a typical tile installation
- Simple to adjust for curves, angles, & cutouts
- Double-sided tape adheres to subfloor for faster layouts
- UL listed at 12 watts/square foot
- Operated by any SunStat thermostat
- 25-year limited warranty
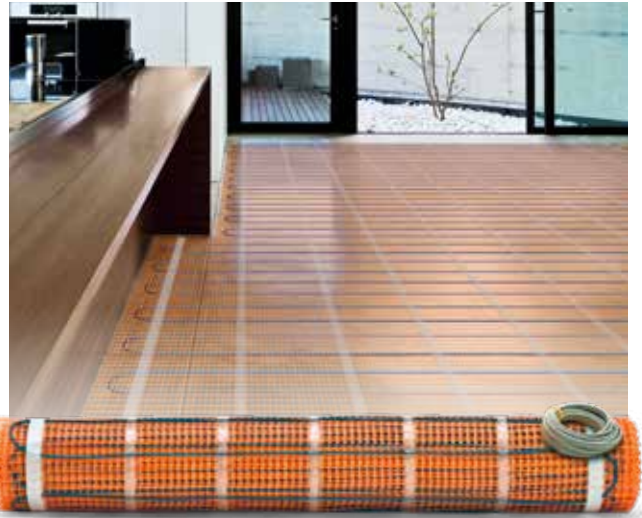
Selecting a standard TapeMat roll size:

- Calculate the total wall-to-wall square footage of the room.
- Subtract the square footage of all built-ins (closets, tub, toilet, cabinets).
- Multiply the result by .9 and round down to the nearest 5 ft^2.
- Select TapeMat to match roll width, voltage & square footage.

TapeMat is available in 2' & 3' roll widths with 120 VAC or 240 VAC power.

120 VAC TapeMat

	Size (L x W)	Ft^2	Order#	Model#	Amps
2' Wide	5' x 2'	10	81002183	12000524ST	1.0
	7' 6" x 2'	15	81007233	12000724ST	1.5
	10' x 2'	20	81002197	12001024ST	2.0
	12' 6" x 2'	25	81007234	12001224ST	2.5
	15' x 2'	30	81002208	12001524ST	3.0
	17' 6" x 2'	35	81007235	12001724ST	3.5
	20' x 2'	40	81002217	12002024ST	4.0
	22' 6" x 2'	45	81007236	12002224ST	4.5
	25' x 2'	50	81002226	12002524ST	5.0
	30' x 2'	60	81002234	12003024ST	6.0
	35' x 2'	70	81002240	12003524ST	7.0
	40' x 2'	80	81002246	12004024ST	8.0
	45' x 2'	90	81018554	12004524ST	9.0
	50' x 2'	100	81018555	12005024ST	10
3' Wide	5' x 3'	15	81002184	12000536ST	1.5
	6' 8" x 3'	20	81002188	12000636ST	2.0
	8' 4" x 3'	25	81002194	12000836ST	2.5
	10' x 3'	30	81002200	12001036ST	3.0
	15' x 3'	45	81002209	12001536ST	4.5
	20' x 3'	60	81002220	12002036ST	6.0

240 VAC TapeMat

	Mat Size (L x W)	Ft^2	Order#	Model#	Amps
2' Wide	10' x 2'	20	81002265	24001024ST	1.0
	15' x 2'	30	81002269	24001524ST	1.5
	20' x 2'	40	81002274	24002024ST	2.0
	25' x 2'	50	81002279	24002524ST	2.5
	30' x 2'	60	81002284	24003024ST	3.0
	35' x 2'	70	81002288	24003524ST	3.5
	40' x 2'	80	81002293	24004024ST	4.0
	45' x 2'	90	81002407	24004524ST	4.5
	50' x 2'	100	81002410	24005024ST	5.0
	60' x 2'	120	81002415	24006024ST	6.0
	70' x 2'	140	81002419	24007024ST	7.0
	80' x 2'	160	81002422	24008024ST	8.0
	90' x 2'	180	81018556	24009024ST	9.0
	100' x 2'	200	81018557	24010024ST	10
3' Wide	10' x 3'	30	81002266	24001036ST	1.5
	13' 4" x 3'	40	81002268	24001336ST	2.0
	16' 8" x 3'	50	81002272	24001636ST	2.5
	20' x 3'	60	81002277	24002036ST	3.0
	30' x 3'	90	81002286	24003036ST	4.5
	40' x 3'	120	81002406	24004036ST	6.0

How to Order Custom TapeMat

1. Send a complete drawing to designs@wattswater.com or call our design team toll-free at 1-888-432-8932 for assistance

2. Drawing must include the following:
- ❑ Complete, accurate dimensions of the area to be heated. Include all wall dimensions from start to finish around the perimeter of the room
- ❑ Thermostat location
- ❑ Dimensions & locations of any obstructions in the heated area (vents, plumbing, cabinets, steps, etc.)

3. A design showing the Custom TapeMat layout will be faxed back for customer approval

4. Once the design is approved, please send SunTouch a purchase order, including:
- ❑ Custom TapeMat order number
- ❑ Custom TapeMat project number
- ❑ Customer's approved signature on the design drawing

5. Mats will ship within 3 business days of receipt of purchase order with the customer-approved, signed drawing

120 VAC Custom TapeMat

Ft²	Order #	Model #	Amps
10	81016649	C12120010ST	1.0
15	81016650	C12120015ST	1.5
20	81016651	C12120020ST	2.0
25	81016652	C12120025ST	2.5
30	81016653	C12120030ST	3.0
35	81016654	C12120035ST	3.5
40	81016590	C12120040ST	4.0
45	81016655	C12120045ST	4.5
50	81016656	C12120050ST	5.0
60	81016565	C12120060ST	6.0
70	81016657	C12120070ST	7.0
80	81016658	C12120080ST	8.0
90	81018824	C12120090ST	9.0
100	81018825	C12120100ST	10.0

240 VAC Custom TapeMat

Ft²	Order #	Model #	Amps
20	81016659	C12240020ST	1.0
30	81016660	C12240030ST	1.5
40	81016661	C12240040ST	2.0
50	81016662	C12240050ST	2.5
60	81016663	C12240060ST	3.0
70	81016664	C12240070ST	3.5
80	81016665	C12240080ST	4.0
90	81016666	C12240090ST	4.5
100	81016667	C12240100ST	5.0
120	81016668	C12240120ST	6.0
140	81016669	C12240140ST	7.0
160	81016670	C12240160ST	8.0
180	81018826	C12240180ST	9.0
200	81018827	C12240200ST	10.0

ShowerMat™

Tile and stone feel warm and soothing when installed over an operating ShowerMat. With this simple addition, you can improve comfort and floor surface drying times. ShowerMats are installed in thinset mortar above the shower pan liner. They can be individually controlled or operated by the same control as other floor heated areas of the bathroom. ShowerMats make it easy to install a separate heating system in the shower.

120 VAC ShowerMat

Shower base size	Actual mat size	Order#	Model#	Amps
36" x 60"	28" x 52"	81017075	C12120010ST-S3660	1.0
48" x 48"	39" x 39"	81017076	C12120010ST-S4848	1.0

Other sizes are available by special order.

- Secure to liner with glue gun or double-sided tape
- 4" center drain cut-out
- 10' power lead for installation outside of the shower

Mortar

Tile or stone

ShowerMat

Factory splice to power lead

Drain

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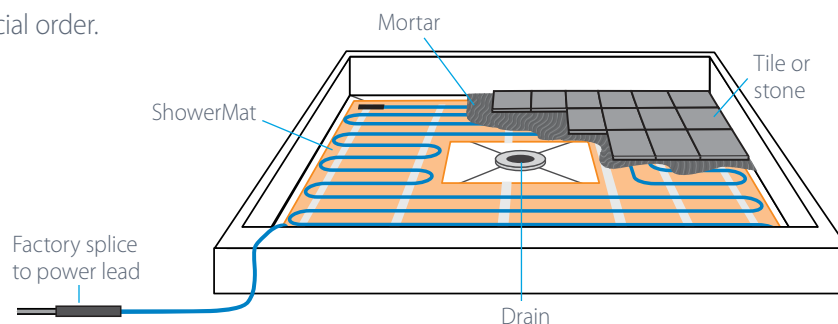
A winning combination

TapeMat® Kits include everything needed for a quick & simple floor warming installation.

TapeMat Kits Include:
- 2' wide TapeMat
- SunStat® Command Thermostat
- Extra Double-sided Tape
- LoudMouth™ Installation Monitor
- Installation Manual

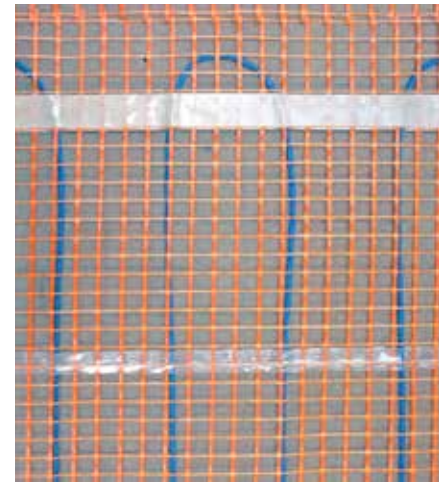## TapeMat Kits are available for a full range of room sizes.

120 VAC TapeMat Kits

Ft²	Quantity & Size of Mats	Order#	Model#	Amps
10	(1) 2' x 5'	81009684	12000524-KIT	1.0
15	(1) 2' x 7.5'	81009685	12000724-KIT	1.5
20	(1) 2' x 10'	81009686	12001024-KIT	2.0
25	(1) 2' x 12.5'	81009687	12001224-KIT	2.5
30	(1) 2 'x 15'	81009688	12001524-KIT	3.0
35	(1) 2' x 17.5'	81009689	12001724-KIT	3.5
40	(1) 2' x 20'	81009690	12002024-KIT	4.0
45	(1) 2' x 22.5'	81009691	12002224-KIT	4.5
50	(1) 2' x 25'	81009692	12002524-KIT	5.0
60	(1) 2' x 30'	81009693	12003024-KIT	6.0
70	(1) 2' x 35'	81009694	12003524-KIT	7.0
80	(1) 2' x 40'	81009695	12004024-KIT	8.0
90	(1) 2' x 45'	81010512	12004524-KIT	9.0
100	(1) 2' x 50'	81010513	12005024-KIT	10.0
110	(1) 2' x 25' & (1) 2' x 30'	81010514	12005524-KIT	11.0
120	(2) 2' x 30'	81010515	12006024-KIT	12.0
130	(1) 2' x 30' & (1) 2' x 35'	81010516	12006524-KIT	13.0
140	(2) 2' x 35'	81010517	12007024-KIT	14.0
150	(1) 2' x 35' & (1) 2' x 40'	81010518	12007524-KIT	15.0

240 VAC TapeMat Kits

Ft²	Quantity & Size of Mats	Order#	Model#	Amps
160	(1) 2' x 80'	81012716	24008024-KIT	8.0
170	(1) 2' x 40' & (1) 2' x 45'	81012717	24008524-KIT	8.5
180	(1) 2' x 90'	81012718	24009024-KIT	9.0
190	(1) 2' x 45' & (1) 2' x 50'	81012719	24009524-KIT	9.5
200	(1) 2' x 100'	81012720	24010024-KIT	10.0
220	(1) 2' x 50' & (1) 2' x 60'	81012721	24011024-KIT	11.0
240	(2) 2' x 60'	81012722	24012024-KIT	12.0
260	(1) 2' x 60' & (1) 2' x 70'	81012723	24013024-KIT	13.0
280	(2) 2' x 70'	81012724	24014024-KIT	14.0
300	(1) 2' x 70' & (1) 2' x 80'	81012725	24015024-KIT	15.0

The flexibility to fit any floor plan at a cost effective price

WarmWire installed using HeatMatrix

WarmWire installed using CableStrap

- Wire is easily secured with CableStrap™ or HeatMatrix™ uncoupling membrane
- Wire spacing can be adjusted to match rooms with different heating needs.
- Approved for shower installation where permitted by the local authority having jurisdiction (AHJ)
- Constant diameter wire allows for increased jobsite toughness and durability
- Constant diameter wire makes installation with HeatMatrix quick and easy
- 25-year warranty

WarmWire® Spools

WarmWire coverage depends on the selected wire spacing.

- 2.5" spacing is recommended for high heat loss areas like sunrooms or basement rec rooms.
- 3" spacing is recommended for kitchens, bathrooms, and living rooms over wood-framed subfloors.
- 3.5" spacing may be used in lower heat loss areas such as hallways.

120 VAC WarmWire

Heated Area (ft²)						
2.5" o.c. (14.4 W/ft²)	3" o.c. (12 W/ft²)	3.5" o.c. (10.3 W/ft²)	Order#	Model#	Length	Amps
8	10	12	81019558	120010WB-CST	39'	1.0
13	15	18	81019559	120015WB-CST	59'	1.5
17	20	24	81019560	120020WB-CST	78'	2.0
21	25	30	81019561	120025WB-CST	98'	2.5
25	30	36	81019562	120030WB-CST	117'	3.0
29	35	42	81019563	120035WB-CST	137'	3.5
34	40	48	81019564	120040WB-CST	157'	4.0
38	45	54	81019565	120045WB-CST	176'	4.5
42	50	60	81019566	120050WB-CST	196'	5.0
51	60	72	81019567	120060WB-CST	235'	6.0
59	70	84	81019568	120070WB-CST	274'	7.0
67	80	96	81019569	120080WB-CST	313'	8.0
76	90	108	81019570	120090WB-CST	352'	9.0
84	100	120	81019571	120100WB-CST	391'	10.0

Standard spacing

240 VAC WarmWire

Heated Area (ft²)						
2.5" o.c. (14.4 W/ft²)	3" o.c. (12 W/ft²)	3.5" o.c. (10.3 W/ft²)	Order#	Model#	Length	Amps
17	20	24	81019572	240020WB-CST	78'	1.0
25	30	36	81019573	240030WB-CST	117'	1.5
34	40	48	81019574	240040WB-CST	157'	2.0
42	50	60	81019575	240050WB-CST	196'	2.5
51	60	72	81019576	240060WB-CST	235'	3.0
59	70	84	81019577	240070WB-CST	274'	3.5
67	80	96	81019578	240080WB-CST	313'	4.0
76	90	108	81019579	240090WB-CST	352'	4.5
84	100	120	81019580	240100WB-CST	391'	5.0
101	120	144	81019581	240120WB-CST	470'	6.0
118	140	168	81019582	240140WB-CST	548'	7.0
135	160	192	81019583	240160WB-CST	626'	8.0
151	180	216	81019584	240180WB-CST	704'	9.0
168	200	240	81019585	240200WB-CST	783'	10.0

Standard spacing

Select a Kit for easy ordering

WarmWire® Kits make it easy to select products to match your installation.

WarmWire Kits include:
- WarmWire Cable(s)
- SunStat® Command Thermostat
- CableStrap™
- LoudMouth® Installation Monitor
- Double-sided Tape
- Installation Manual

*WarmWire Kits larger than 300 ft² include a SunStat Relay C3, as well as a SunStat Command thermostat. These sizes are not packaged in full color boxes.

120 VAC WarmWire Kits

Heated Area (ft²)						
2.5" o.c. (14.4 W/ft²)	3" o.c. (12 W/ft²)	3.5" o.c. (10.3 W/ft²)	Quantity & Size of Cables	Order#	Model#	Amps
8	10	12	(1) 10 ft²	81018089	120010WD-BKIT	1.0
13	15	18	(1) 15 ft²	81018090	120015WD-BKIT	1.5
17	20	24	(1) 20 ft²	81018091	120020WD-BKIT	2.0
21	25	30	(1) 25 ft²	81018092	120025WD-BKIT	2.5
25	30	36	(1) 30 ft²	81018093	120030WD-BKIT	3.0
29	35	42	(1) 35 ft²	81018094	120035WD-BKIT	3.5
34	40	48	(1) 40 ft²	81018095	120040WD-BKIT	4.0
38	45	54	(1) 45 ft²	81018096	120045WD-BKIT	4.5
42	50	60	(1) 50 ft²	81018097	120050WD-BKIT	5.0
51	60	72	(1) 60 ft²	81018098	120060WD-BKIT	6.0
59	70	84	(1) 70 ft²	81018099	120070WD-BKIT	7.0
67	80	96	(1) 80 ft²	81018100	120080WD-BKIT	8.0
76	90	108	(1) 90 ft²	81018101	120090WD-BKIT	9.0
84	100	120	(1) 100 ft²	81018102	120100WD-BKIT	10.0
93	110	132	(1) 50 + (1) 60 ft²	81018103	120110WD-BKIT	11.0
102	120	144	(2) 60 ft²	81018104	120120WD-BKIT	12.0
110	130	156	(1) 60 + (1) 70 ft²	81018105	120130WD-BKIT	13.0
118	140	168	(2) 70 ft²	81018106	120140WD-BKIT	14.0
126	150	180	(1) 70 + (1) 80 ft²	81018107	120150WD-BKIT	15.0

▲ Standard spacing

240 VAC WarmWire Kits

Heated Area (ft²)						
2.5" o.c. (14.4 W/ft²)	3" o.c. (12 W/ft²)	3.5" o.c. (10.3 W/ft²)	Quantity & Size of Cables	Order#	Model#	Amps
84	100	120	(1) 100 ft²	81018108	240100WD-BKIT	5.0
93	110	132	(1) 50 + (1) 60 ft²	81018109	240110WD-BKIT	5.5
101	120	144	(1) 120 ft²	81018110	240120WD-BKIT	6.0
110	130	156	(1) 60 + (1) 70 ft²	81018111	240130WD-BKIT	6.5
118	140	168	(1) 140 ft²	81018112	240140WD-BKIT	7.0
126	150	180	(1) 70 + (1) 80 ft²	81018113	240150WD-BKIT	7.5
135	160	192	(1) 160 ft²	81018114	240160WD-BKIT	8.0
143	170	204	(1) 80 + (1) 90 ft²	81018115	240170WD-BKIT	8.5
152	180	216	(2) 90 ft²	81018116	240180WD-BKIT	9.0
160	190	228	(1) 90 + (1) 100 ft²	81018117	240190WD-BKIT	9.5
168	200	240	(2) 100 ft²	81018118	240200WD-BKIT	10.0
185	220	264	(1) 100 + (1) 120 ft²	81018119	240220WD-BKIT	11.0
202	240	288	(2) 120 ft²	81018120	240240WD-BKIT	12.0
219	260	312	(1) 120 + (1) 140 ft²	81018121	240260WD-BKIT	13.0
236	280	336	(2) 140 ft²	81018122	240280WD-BKIT	14.0
253	300	360	(1) 140 + (1) 160 ft²	81018123	240300WD-BKIT	15.0
286	340	408	(1) 160 + (1) 180 ft²	*81018125	240340WD-BKIT	17.0
320	380	456	(2) 120 + (1) 140 ft²	*81018127	240380WD-BKIT	19.0
354	420	504	(3) 140 ft²	*81018129	240420WD-BKIT	21.0
388	460	552	(1) 140 + (2) 160 ft²	*81018131	240460WD-BKIT	23.0
421	500	600	(3) 120 + (1) 140 ft²	*81018133	240500WD-BKIT	25.0

▲ Standard spacing

For fast, easy installation of WarmWire® under tile & stone

- Simply press WarmWire into the HeatMatrix channels at the selected spacing
- Protect tile and stone from cracking with a sheer stress control layer that isolates the surface from subfloor movement

- Provide a barrier against surface water with durable polypropylene construction
- HeatMatrix is ideal for below grade installations with deep-grooved channels that allow evaporation of moisture from below the membrane

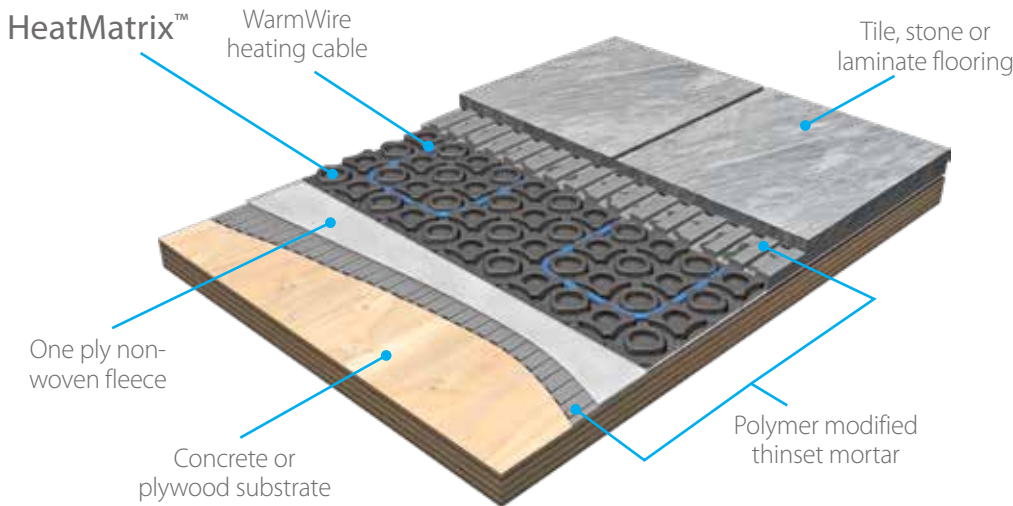| 3- and 2-shape spacing = 14.8 W/ft²	3-shape spacing = 12.3 W/ft²	3- and 4-shape spacing = 10.6 W/ft²
High heat loss areas like sunrooms, basements, or near windows.	Recommended for kitchens, bathrooms, & living areas.	Lower heat loss areas such as hallways, second floor interior spaces, or low traffic areas.

HeatMatrix™ uncoupling membrane

Protect your investment in flooring while reducing WarmWire installation time. Flexible spacing options let you adjust the heat output and easily fit WarmWire within the space.

HeatMatrix™

WarmWire heating cable

Tile, stone or laminate flooring

One ply non-woven fleece

Concrete or plywood substrate

Polymer modified thinset mortar

Roll selection

HeatMatrix is installed in both unheated and heated areas to provide crack-isolation, vapor management, and waterproofing. Order a quantity that will cover the full square footage of the area to be tiled. For areas where the floor is exposed to surface water, HeatMatrix Joint Tape is recommended to seal the seams.

HeatMatrix roll sizes

| Coverage	L x W	Order#	Model#
161 ft²	49.2' x 3.28' (15 m x 1 m)	81019454	8006GRY161-ST
40 ft²	12.2' x 3.28' (3.71 m x 1 m)	81019455	8006GRY40-ST
10 ft²	3.28' x 3.13' (1 m x .95 m)	81020013	8006GRY11-ST

Joint Tape

Coverage	L x W	Order#	Model#
10.4 ft²	25' x 5' (7.62 m x .127 m)	81019457	8006HJS-ST
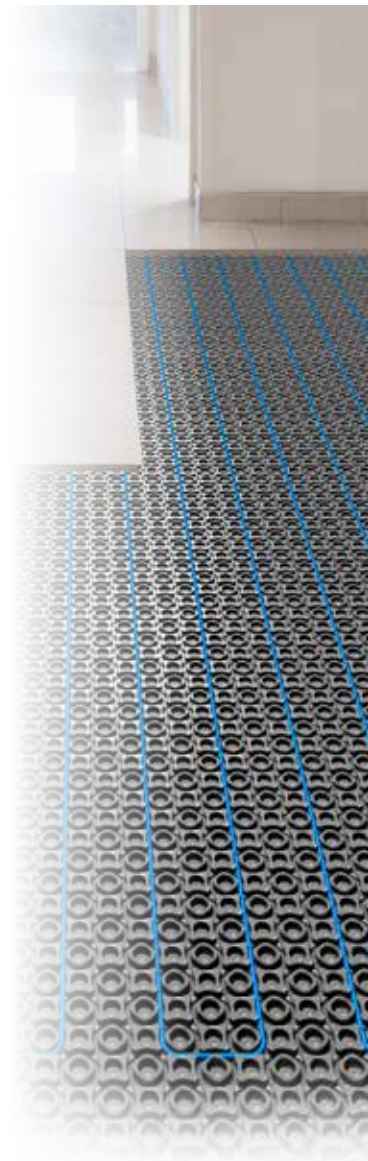
Enjoy heated floors without replacing flooring.

- No need to replace flooring — installs between floor joists to warm the floor above
- Works under any type of flooring including nail down hardwood
- Up to 15°F warmer with hard-surface flooring
- Between 6°F and 10°F warmer with carpet
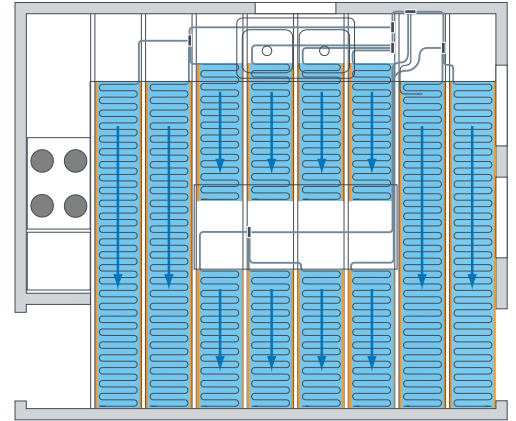
UnderFloor™ Mats

These easy-to-install mats come in two widths for common joist spacing. For the best performance, follow the installation manual recommendations for insulating between joists under the mats.

120 VAC UnderFloor Mat

Size (L x W)		Order#	Model#	Amps
12" Wide	5' 6" x 12"	81007125	1200512U2ST	0.5
	8' x 12"	81007126	1200812U2ST	0.7
	10' 6" x 12"	81007127	1201012U2ST	0.9
	13' x 12"	81007128	1201312U2ST	1.1
	16' x 12"	81007129	1201612U2ST	1.3
16" Wide	4' x 16"	81006826	1200416U2ST	0.4
	6' x 16"	81006827	1200616U2ST	0.7
	8' x 16"	81006828	1200816U2ST	0.9
	9' 6" x 16"	81006829	1200916U2ST	1.1
	12' x 16"	81006830	1201216U2ST	1.3
	14' x 16"	81006831	1201416U2ST	1.6
	16' x 16"	81006832	1201616U2ST	1.8

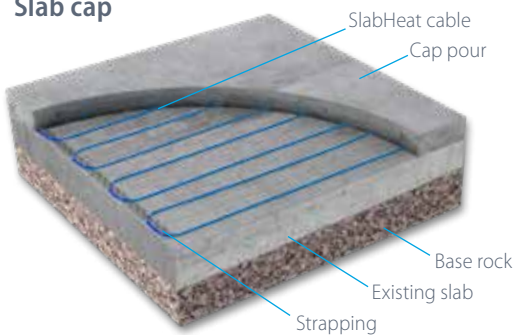# The comfort of radiant without the mechanical room
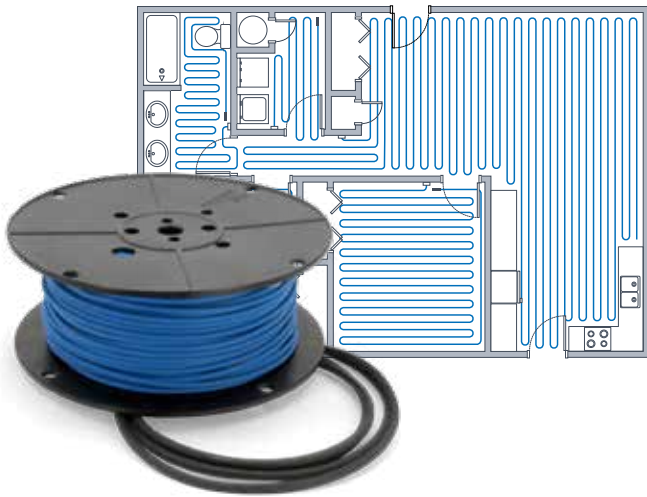
- Offers enough capacity for space heating (verify heat loss calculation with our technical team)
- Installs over an existing slab in a "slab cap" or in a new slab
- Comfortable, even heat without the drying effects of forced air
- Does not promote circulation of pathogens or allergens
- Silent, maintenance-free heat with no vents or duct-work
- Engineered to handle the rigors of any concrete installation
- Polyurethane outer jacket offers superior flexibility, abrasion and tear resistance
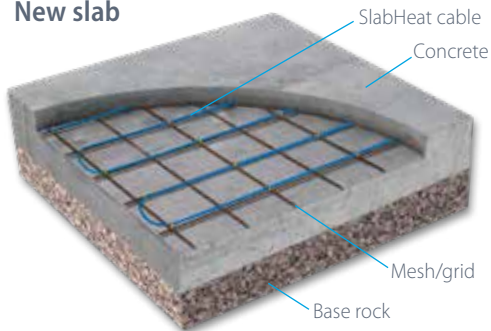
SlabHeat®

Regardless of the size, shape, or thickness of the concrete slab, SlabHeat is a simple way to provide the comfort of radiant heat. SlabHeat is engineered to produce enough BTUs to heat the slab, the space and the surface that people walk on.

- 4" on center (15 Watts/ft^2) is typical for basement floor heating & high heat loss areas.
- 6" on center (10 Watts/ft^2) is typical for basement floor warming & moderate heat loss areas.

Slab cap

SlabHeat cable
Cap pour
Base rock
Existing slab
Strapping

New slab

SlabHeat cable
Concrete
Mesh/grid
Base rock

120 VAC SlabHeat

Heated Area (ft^2)					
4" o.c. (15 W/ft^2)	6" o.c. (10 W/ft^2)	Length	Order#	Model#	Amps
50	75	146'	81014956	SH15120050ST	6.3
66	98	193'	81014957	SH15120066ST	8.3
82	122	241'	81014958	SH15120082ST	10.3
100	149	294'	81014959	SH15120100ST	12.5
114	170	336'	81014960	SH15120114ST	14.3

▲ Standard spacing

240 VAC SlabHeat

Heated Area (ft^2)					
4" o.c. (15 W/ft^2)	6" o.c. (10 W/ft^2)	Length	Order#	Model#	Amps
100	149	294'	81014961	SH15240100ST	6.3
132	196	388'	81014962	SH15240132ST	8.3
164	243	483'	81014963	SH15240164ST	10.3
200	297	590'	81014964	SH15240200ST	12.5
228	339	673'	81014965	SH15240228ST	14.3

▲ Standard spacing

Complete your system with a SunStat® thermostat

- Model options include energy saving schedules & touchscreens
- Can operate 120 or 240 VAC systems
- Built-in GFCI improves safety
- Air & floor temperature sensing
- Solutions for systems from 10 ft^2 to 3000 ft^2

SunStat Thermostats & Relays

Get all the features you need to provide warmth when & where you want it! Simply select one thermostat for every area requiring individual control. Add SunStat Relays for areas that need more than 15 Amps of power. SunStats can be used with any of the electric floor warming systems in this brochure.

	Connect	Command	Relay C3	Core
Control one zone of heating	●	●	-	●
Dual voltage for operating 120 or 240 VAC floor heating systems	●	●	●	●
Built-in GFCI (5 milliamp trip) & 15 amp relay	●	●	●	●
15' class 2 insulated floor sensor included	●	●	-	●
Floor sensing control (*with optional air temperature override)	*●	*●	-	●
Air sensing control	●	●	-	-
Touchscreen display with multiple color themes	●	●	-	-
Adjustable brightness	●	●	-	-
Thin profile with removable, paintable beauty ring	●	●	-	-
Home automation system tie-in	●	●	-	-
Comprehensive help screens	●	●	-	-
7-day programmable schedule	●	●	-	-
Display settings in English, French or Spanish	●	●	-	-
Temporary hold setting	●	●	-	-
SmartStart technology	●	●	-	-
Away feature (Vacation mode)	●	●	-	-
Energy usage monitoring	●	●	-	-
Remote access via mobile app or web with Wi-Fi data encryption	●	-	-	-
Outdoor temperature and weather display options	●	-	-	-
Remote software upgrade capability	●	-	-	-
Weather compensation and warm weather shut down settings	●	-	-	-
Email alerts	●	-	-	
Expand area controlled by SunStat Connect and Command thermostats	-	-	●	
Compatible with SunStat Relay C3 (not compatible with older relays)	●	●	-	●
Order#	**81019075**	**81019079**	**81019088**	**81019083**
Model#	500875-SB	500850-SB	500880-BB	500825-SB

LoudMouth™ Installation Monitor

The LoudMouth monitors electric heating wire elements during the entire installation process and sounds an alarm if the heating elements are cut or damaged. Features include 9V battery power, on/off switch, indicator lights, test button & audible alarm.

Order# 81007474   Model# 423250ST

TapeMat® Double-Sided Tape

36 yard length of extra double-sided tape

Order# 81000051   Model# 423275ST

CableStrap™

CableStrap makes it easy to install WarmWire & SlabHeat at the desired spacing. Each 25 ft roll covers approximately 40 ft^2 to 50 ft^2 of heated floor area.

Order# 81005523   Model# 321301ST

Floor Sensor

This SunStat compatible sensor provides accurate sensing of the floor temperature.

Order# 81009178   Model# 500110

With SunTouch, you can have a luxury floor heating system without the luxury price tag.

Joint Tape

Use Joint Tape to seal the seams between rows of HeatMatrix™ in areas that are exposed to surface water. Joint Tape can also be used to span the seam at room edges where HeatMatrix and wall membranes meet.

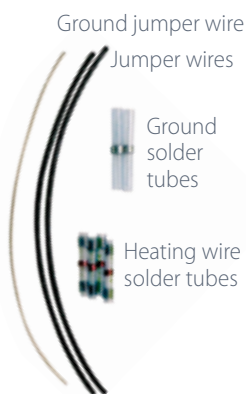**Order# 81019457**   Model# 8006HJS-ST

CableTrowel™

CableTrowel is recommended for applying mortar over any SunTouch electric heating system. Consider using the 3/8" wide by 1/2" deep, U-shaped, notched CableTrowel for added peace of mind.

Order# 81007407   Model# 300400ST

Ground jumper wire

Jumper wires

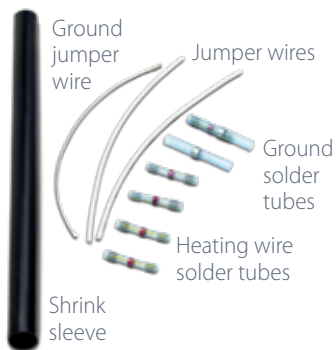Ground solder tubes

Heating wire solder tubes

Heating Wire Repair Kit for Custom TapeMat, TapeMat, UnderFloor Mat & WarmWire

Before ordering this kit consult with the factory to make sure it is suitable for the type of repair you are making. This kit is used for Custom TapeMat, TapeMat, UnderFloor Mat & WarmWire systems. Do not use it for ShowerMat, SlabHeat or ProMelt systems. Kit includes materials for one repair: 2 jumper wires, 1 ground jumper wire, 2 ground solder tubes, and 4 heating wire solder tubes. Detailed written instructions are included.

Order# 81007142   Model# 200299ST

Ground jumper wire

Jumper wires

Ground solder tubes

Heating wire solder tubes

Shrink sleeve

Heating Wire Repair Kit for SlabHeat

Before ordering this kit, consult with the factory to ensure it suits your type of repair. This kit is used for SlabHeat systems. Kit includes materials to make one repair: 2 jumper wires, 1 ground jumper wire, 2 ground solder tubes, 4 heating wire solder tubes, and 1 shrink sleeve. Detailed written instructions are included.

Order# 81012263   Model# 200400

Power Lead Splice Kit

Order# 81005277   Model# 200350ST

Safe, Reliable Electric Snow Melting

- Reduce liability & provide safe access for visitors.
- Eliminate the time & physical strain of shoveling.
- Melt snow without salt or chemicals.
- Prevent potential damage caused by clearing equipment.

Why Choose a SunTouch® ProMelt® System?

- 60 standard sizes to better fit your projects
- Polyurethane outer wire jacket for superior flexibility, abrasion & tear resistance
- Better low-temperature stability than PVC products
- World-class design, manufacturing & technical support
- Assembled in USA & backed by a 10-year warranty

SunTouch®

A **WATTS** *Brand*

SunTouch.com

Simplify electric snow melting installation

- Reduce installation time with these simple-to-install mats
- Mats eliminate the need to secure every row of cable
- Embed in concrete, asphalt or sand
- Use for snow melting & patio heating
- 2' or 3' wide rolls
- 120, 208, and 240 VAC model options
- Multiple mats can be controlled by one contactor

Simply unroll the mat and secure to rewire or rebar. ProMelt Mats offer the fastest install option for rectangular shaped areas.

ProMelt offers a wide range of sizes to fit your project

Site-specific design calculations are recommended to ensure the system performs as expected. 38 watt/ft² mats are typically used in milder climates. 50 watt/ft² mats are better suited for colder climates and critical melting applications.

120 VAC ProMelt Mats (38 watts/ft²)

Size (L x W)	Ft²	Order#	Model#	Amps
5' x 2'	10	81011665	SM3812000524	3.2
10' x 2'	20	81011667	SM3812001024	6.3
15' x 2'	30	81011669	SM3812001524	9.5
20' x 2'	40	81011671	SM3812002024	12.7
25' x 2'	50	81011673	SM3812002524	15.8
30' x 2'	60	81011675	SM3812003024	19.0

2' Wide

240 VAC ProMelt Mats (38 watts/ft²)

Size (L x W)	Ft²	Order#	Model#	Amps
10' x 2'	20	81014652	SM3824001024	3.2
20' x 2'	40	81014653	SM3824002024	6.3
30' x 2'	60	81014654	SM3824003024	9.5
40' x 2'	80	81014655	SM3824004024	12.7
50' x 2'	100	81014656	SM3824005024	15.8
60' x 2'	120	81014657	SM3824006024	19.0
65' x 2'	130	81018767	SM3824006524	20.5

2' Wide

38 watts/ft²
(130 btu / h / ft²)

208 VAC ProMelt Mats (50 watts/ft²)

Size (L x W)	Ft²	Order#	Model#	Amps
7' x 2'	14	81011593	SM5020800724	3.4
11' x 2'	22	81011594	SM5020801124	5.3
14' x 2'	28	81011595	SM5020801424	6.7
18' x 2'	36	81011596	SM5020801824	8.7
20' x 2'	40	81011597	SM5020802024	9.6
24' x 2'	48	81011598	SM5020802424	11.5
28' x 2'	56	81011599	SM5020802824	13.5
34' x 2'	68	81011601	SM5020803424	16.3
38' x 2'	76	81011602	SM5020803824	18.3
42' x 2'	84	81011603	SM5020804224	20.2
48' x 2'	96	81011604	SM5020804824	23.1

2' Wide

Size (L x W)	Ft²	Order#	Model#	Amps
5' x 3'	15	81011605	SM5020800536	3.6
10' x 3'	30	81011607	SM5020801036	7.2
15' x 3'	45	81011610	SM5020801536	10.8
20' x 3'	60	81011612	SM5020802036	14.4
25' x 3'	75	81011614	SM5020802536	18.0
30' x 3'	90	81011616	SM5020803036	21.6

3' Wide

50 watts/ft²
(170 btu / h / ft²)

Selecting the correct size mat

- Select a voltage.
- Calculate the watts/ft^2 required for system design.
- Calculate the ft^2 for each individually controlled zone.

240 VAC ProMelt Mats (50 Watts/ft^2)

	Size (L x W)	Ft^2	Order#	Model#	Amps
2' Wide	8' x 2'	16	81011617	SM5024000824	3.3
	12' x 2'	24	81011618	SM5024001224	5.0
	16' x 2'	32	81011619	SM5024001624	6.7
	20' x 2'	40	81011620	SM5024002024	8.3
	24' x 2'	48	81011621	SM5024002424	10.0
	28' x 2'	56	81011622	SM5024002824	11.7
	32' x 2'	64	81011623	SM5024003224	13.3
	36' x 2'	72	81011624	SM5024003624	15.0
	40' x 2'	80	81011625	SM5024004024	16.7
	44' x 2'	88	81011626	SM5024004424	18.3
	48' x 2'	96	81011627	SM5024004824	20.0
	52' x 2'	104	81011628	SM5024005224	21.7

	Size (L x W)	Ft^2	Order#	Model#	Amps
3' Wide	5' x 3'	15	81011629	SM5024000536	3.1
	10' x 3'	30	81011631	SM5024001036	6.3
	15' x 3'	45	81011633	SM5024001536	9.4
	20' x 3'	60	81011635	SM5024002036	12.5
	25' x 3'	75	81011637	SM5024002536	15.6
	30' x 3'	90	81011639	SM5024003036	18.8
	35' x 3'	105	81011640	SM5024003536	21.9

50 watts/ft^2
(170 btu/h/ft^2)

277 VAC ProMelt Mats are available via Special Order only. Please allow additional lead time.
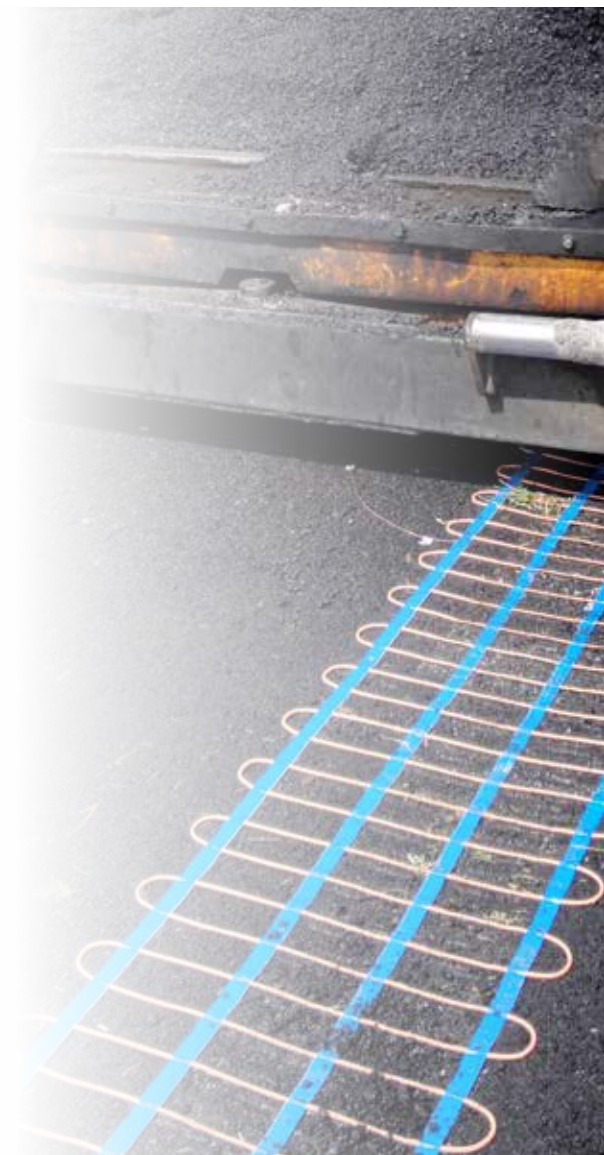
Curves, stairs, custom shapes — no problem

- Best option for stairs, curves & free-form areas
- Easily attached to rebar or rewire with ties
- Secures to existing concrete with CableStrap for patio heating applications
- For use with concrete, pavers, asphalt or tile
- Cable spaced at 3" OC for 50 Watts/ft^2 output or 4" OC for 38 watts/ft^2
- Select from 120, 208 or 240 VAC cables
- Multiple cables controllable by one contactor

ProMelt® Cable

ProMelt Cable offers full flexibility in design. Cables are spaced at either 3" or 4" on center depending on the required heating output. The typical 3" spacing provides 50 watts/ft^2 (170 btu/ft^2). For milder climates, the 4" (38 watt/ft^2) spacing may be considered. Site specific design calculations are recommended to ensure the system will perform as expected.
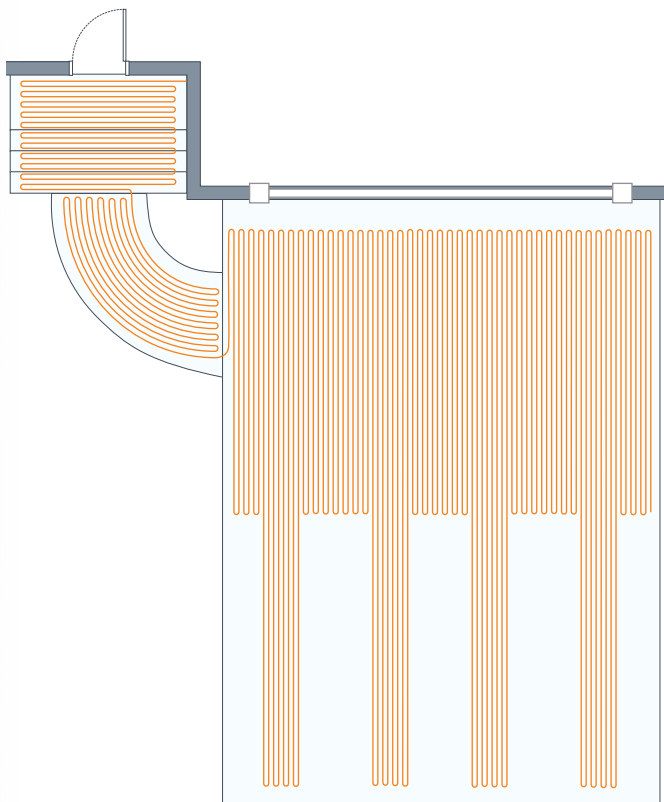
120 VAC Cable

Coverage (ft^2)		Length	Order#	Model#	Amps
3" o.c. (50 W/ft^2)	4" o.c. (38 W/ft^2)				
8	10	29'	81011367	SC50120008	3.3
15	20	59'	81011369	SC50120015	6.3
20	26	78'	81011370	SC50120020	8.3
30	39	118'	81011373	SC50120030	12.5
40	53	158'	81011376	SC50120040	16.7
53	69	208'	81011378	SC50120053	22.1

Cable Selection

- Calculate the required watts per square foot.
- Select a spacing option that will provide enough output for the expected performance of the snow melt system.
- Calculate the total area to be melted for each individually controlled zone.
- Determine which voltage will be used.
- Select a cable long enough to cover the melting area.

208 VAC Cable

Coverage (ft²)		Length	Order#	Model#	Amps
3" o.c. (50 W/ft²)	4" o.c. (38 W/ft²)				
14	19	55'	81011408	SC50208014	3.4
20	26	78'	81011416	SC50208020	4.8
30	39	118'	81011417	SC50208030	7.2
35	46	138'	81011418	SC50208035	8.4
40	53	158'	81011383	SC50208040	9.6
45	59	178'	81011384	SC50208045	10.8
55	72	218'	81011385	SC50208055	13.2
60	79	238'	81011386	SC50208060	14.4
65	85	257'	81011387	SC50208065	15.6
75	98	297'	81011388	SC50208075	18.0
80	105	317'	81011389	SC50208080	19.2
90	118	357'	81011390	SC50208090	21.6

240 VAC Cable

Coverage (ft²)		Length	Order#	Model#	Amps
3" o.c. (50 W/ft²)	4" o.c. (38 W/ft²)				
15	20	59'	81011391	SC50240015	3.1
25	33	98'	81011392	SC50240025	5.2
30	39	118'	81011393	SC50240030	6.3
40	53	158'	81011394	SC50240040	8.3
45	59	178'	81011395	SC50240045	9.4
55	72	218'	81011396	SC50240055	11.5
60	79	238'	81011397	SC50240060	12.5
65	85	257'	81011398	SC50240065	13.5
75	98	297'	81011399	SC50240075	15.6
80	105	317'	81011400	SC50240080	16.7
90	118	357'	81011401	SC50240090	18.8
105	137	417'	81011402	SC50240105	21.9

277 VAC ProMelt Cables are available via Special Order only. Please allow additional lead time.

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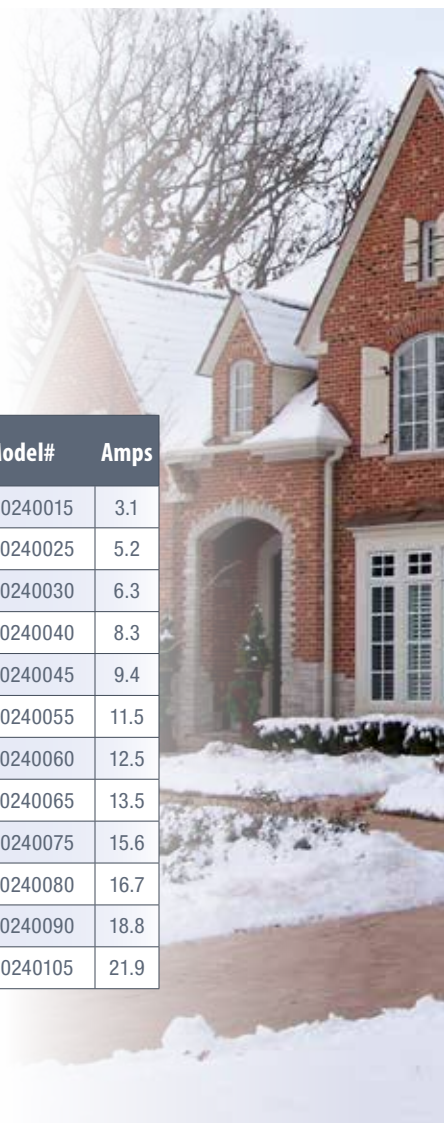
Safe, reliable control for ProMelt systems

- Compatible with ProMelt Cables & Mats
- Automatic and manual melting options
- Pole-mount, in-slab or surface-mount sensing
- Control options from 30 to 200 amps per unit
- 'All-in-one' control for smaller systems
- 24 VAC control with connection to ContactorPro for larger systems

Select the best control package for your installation.

- Total the amps of the mat and cable for each zone before comparing control options.
- Zones with less than 60 amps can use an all-in-one control solution (PM-2C or PM-5).
- The PM-L1 to L3 & PM-519 kits connect to a ContactorPro panel to control zones of any size.

System Size	Operation	Sensor	Control	Required	Recommended
Up to 30 amp	Automatic start/timed stop melting	Pole-Mount	PM-2C	-	PM-DP
Up to 60 amp	Automatic start/timed stop melting	Pole-Mount	PM-5	-	PM-DP
Any Size	Automatic start & stop melting with slab temperature control	Surface-Mount	PM-L3	ContactorPro Panel	-
Any Size	Automatic start/timed stop melting	Pole-Mount	PM-L2	ContactorPro Panel	-
Any Size	Manual start & stop melting with slab temperature control	In-Slab	PM-L1	ContactorPro Panel	-
Any Size	Outdoor patio heating (no snow melting)	In-Slab	PM-519	ContactorPro Panel	-

Sensor at top
of control

ProMelt Snow Sensor Control PM-2C

The PM-2C operates on line voltage with a 30 amp capacity. This all-in-one control includes a snow sensor on the top-facing side. Features include automatic or manual operation, adjustable trigger temperature and an adjustable drying cycle.

Order# 81011699   Model# 300600

ProMelt Snow Sensor Control PM-5

The PM-5 operates on line voltage with a 60 amp capacity. This all-in-one control includes a snow sensor on the top facing side. Features include automatic or manual operation, adjustable trigger temperature and an adjustable drying cycle.

Order# 81014247   Model# 300580

ProMelt Snow Melting Control Kit PM-L3

The PM-L3 kit provides the best combination of efficiency & automated operation. Kit includes a touch screen control, surface-mounted snow/ice sensor with socket & outdoor temperature sensor. This control combination reduces the cost of snow melting by operating at the lowest possible temperature to melt snow & ice. A ContactorPro panel is required to provide power for the mats, cables & control.

Order# 81018910   Model# 300160

ProMelt Snow Melting Control Kit PM-L2

Th PM-L2 kit provides automatic start & timed stop operation for an electric snow melting system. The kit includes an easy-to-use touchscreen control, a pole-mounted snow sensor & outdoor temperature sensor. A ContactorPro panel is required to provide power for the mats, cables & control.

Order# 81018911   Model# 300161

ProMelt Snow Melting Control Kit PM-L1

The PM-L1 kit offers manual operation & monitoring of a snow melting system using a touchscreen control. The PM-L1 Kit reduces the cost of snow melting by operating the system at the lowest possible temperature required to clear snow & ice. Kit includes control, slab sensor and outdoor temperature sensor. A ContactorPro panel is required to provide power for the mats, cables & control.

Order# 81018912   Model# 300162

ProMelt Outdoor Heating Control Kit PM-519

Extend the patio season with ProMelt mats or cables. This control has a sensing range of -58°F to 140°F (-50°C to 60°C) and an adjustment range of 40 to 122°F (4.5 to 50°C). The included PM-072 sensor is used to measure the temperature under the heated outdoor slab or paver surface.

Order# 81018840   Model# 300152S

ProMelt ContactorPro Panels

Control systems of any size when connected to a compatible ProMelt Control. ContactorPro Panels are available in 50, 100 and 200 amp models to operate systems with 120, 208, 240 or 277 VAC power. Panels include a 'System On' indicator light & manual override dial with a 4-hour timer. A built-in 24 VAC transformer provides power to the connected control.
Each NEMA Type 1 panel measures 12" wide by 12" high by 4" deep & includes knockouts for conduit.

ContactorPro Panel	CP-50	CP-100	CP-200
Built-in amp capacity	50	100	200
Order#	81012215	81012216	81012217
Model#	300050	300100	300200

Outdoor Sensor PM-070

Replacement model for outdoor sensor included with the ProMelt control kits.

Order# 81018904   Model# 300070

Slab Sensor PM-072

This weather-resistant sensor is designed for installation in conduit within a concrete slab or in mortar between pavers.

Order# 81018905   Model# 300072

Snow / Ice Sensor PM-090

Detects the presence of snow & ice to enable fully automatic melting operation. Install within a Sensor Socket 091 once the surface is finished. Comes with 65' (20m) of wire.

Order# 81018906   Model# 300090

Sensor Socket PM-091

This socket includes an insert that keeps the socket free of debris during concrete or asphalt finishing. Secure conduit to cutout area to allow for installation of the Snow/Ice Sensor 090 once the surface is finished.

Order# 81018907   Model# 300091

Snow Sensor PM-095

The PM-095 enables automatic start/timed stop operation when connected to a Snow Melting Control PM-653. This pole-mounted sensor is commonly used in systems that require a sensor to be installed after the snow melt surface is finished.

Order# 81018908   Model# 300095

ProMelt Display Panel PM-DP

Connect to ProMelt PM-2C or PM-5 Snow Sensor Controls for remote adjustment and monitoring of the system. Panel includes buttons to switch between manual on, standby (off) and automatic operation. The ProMelt Display Panel also provides a connection for home automation systems to enable melting operation.

Order# 81012360   Model# 300650

Snow Melting Plaque

Permanent aluminum plaque to indicate where a snow melting system has been installed.

Order# 81012381   Model# 100123

Cable Ties

6" cable ties are used to tie ProMelt Mat & Cable to rewire or rebar. 100 ties are included in a package.
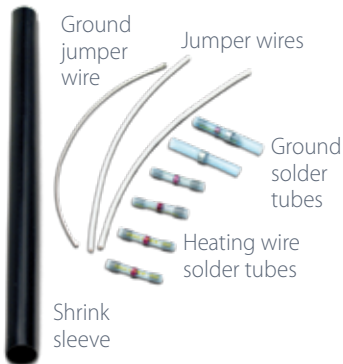
Order# 81012001   Model# 321400

CableStrap™

CableStrap makes it easy to install WarmWire & SlabHeat at the desired spacing. Each 25 ft roll covers approximately 40 ft^2 to 50 ft^2 of heated area.

Order# 81005523   Model# 321301ST

Ground jumper wire
Jumper wires
Ground solder tubes
Heating wire solder tubes
Shrink sleeve

Heating Wire Repair Kit for SlabHeat & ProMelt

Before ordering this kit, consult with the factory to ensure it suits your type of repair. This kit is used for SlabHeat & ProMelt systems. Kit includes materials to make one repair: jumper wires, 1 ground jumper wire, 2 ground solder tubes, 4 heating wire solder tubes, and 1 shrink sleeve. Detailed written instructions are included.

Order# 81012263   Model# 200400

⚠ CAUTION

This brochure is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.

Heated Tile Display

How warm does a heated tile feel? Let customers feel the difference for themselves with this countertop heated tile display.

Order# 81002504

Half-Size Display Tower

Smaller display gives an attractive sales focus to WarmWire & TapeMat kits.

Order# 81011474

SunTouch HeatMatrix™ Countertop Display

Customers can feel the warmth of a heated tile and see how HeatMatrix and WarmWire are installed. Includes literature holder.

Order# MF10698

Showcase floor heating with promotional displays from SunTouch.

SunTouch®

A WATTS Brand

USA: Tel: (888) 432-8932 • Fax: (417) 831-4067 • **SunTouch.com**
Canada: Tel: (888) 208-8927 • Fax: (905) 332-7068
Latin America: Tel: (52) 81-1001-8600 • Fax: (52) 81-8000-7091