

Price Book

January 2017

Warmup[®]

The world's best-selling floor heating brand™

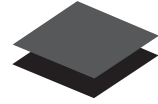
What floor heating product should I use?



I'm interested in a Floor Heating System

Under Tile or Stone

Over a Concrete Slab



Over Plywood or Concrete Boards



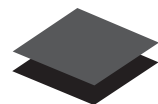
Under Laminate or Floating Wood

Under Solid Hardwood or Bamboo

Under Carpet

Under Sheet Vinyl or LVTs

Over a Concrete Slab



Over Plywood or Concrete Boards



In a concrete slab

		PAGE
	 NEW	Use NADCM-PRO Cable at 2" spacing with Self-Leveler. 10
		Use NADWM mats (or NADWS at 3" spacing), with WIB insulation boards. 14, 12, 22
		Use NADWM mats (or NADWS cable at 3" spacing). 14, 12
	 NEW	Use NADCM-PRO Cable and membrane at 3" spacing. 10
		Use FOIL over WIU insulation. 23, 16
	 NEW	Use NADCM-PRO Cable with 3" or 4" spacing using the sleepers method. 18
		Use FOIL between the pad and the carpet. 16
	 NEW	Use NADCM-PRO Cable at 2" spacing with Self-Leveler. 10
		Use NADWM mats (or NADWS at 3" spacing), with WIB insulation boards. 14, 10, 22
	 NEW	Use NADCM-PRO Cable and membrane at 3" spacing. 10
		Use WODH cable on wire mesh at 3" spacing. 20

Who is Warmup

20 years ago, Warmup set out to become the world's most trusted provider of innovative underfloor heating solutions.

Our strategy focuses on the creation of the best products, best service, best warranties and the harnessing of the most advanced information on product safety and capabilities through proprietary research & development.

The combination of heating wire with fluoropolymer coating (on the inner wires and the outer protective jacket) and thermostats are patented, trademark protected, designed and owned by Warmup.

We now occupy a world leading position in our field, selling more than 2 million systems in over 60 countries.



Getting Started with Warmup

Be the one to promote the heated floors option. Warmup offers solutions from comfort heat to primary heating. If you don't ask, they won't buy. Rest assured, we'll make it an easy process.

Quote



FAX: (888) 927-4721

EMAIL: ussales@warmup.com

TEXT: (312) 498-8616

CALL: (888) 927-6333

You can submit a fax or email us with anything good enough to describe your project.

From a set of blueprints to a few notes on a napkin, we've seen it all. Don't be shy, send it over.

Smartphones: Take a picture of the room, the blueprints, or your sketch and send it to us by email or text and we will dispatch it to your area sales manager.

We'll complete a detailed installation plan for you within 24 hours. Just let us know whether you want a quick price over the phone, or a detailed review of your project.



Ask

Call us at (888) 927-6333. We don't have a fancy answering service, but we have real friendly people. They'll answer your questions or connect you with your local sales person right away. Email us about your project at ussales@warmup.com and we'll connect you straight to your local Warmup office.



Order

Call, fax or email. We're never too busy to take your order. If it's your first time, we'll get you set-up same day and make sure your order is dispatched promptly.

Common Questions

Can I cut the cable if it is too long?

NO: space the cable tighter (minimum spacing allowed: 2"). If it is still too long then you must choose a smaller size.

Which spacing for the cable?

2": 20W/sqft

3": 14W/sqft

4": 11W/sqft

On Mats, cables are spaced at 3".

With the use of our Warmup Insulation Boards, you will reduce heat loss and improve results even at wider spacings. You will also reduce operating costs. Check page 24 for more information.

Can I install the cable directly on top of the plywood ?

YES: wood is a natural insulator, no need of extra insulation.

Exception: if this is a non-insulated crawl space under the plywood, we would recommend the use of insulation boards prior to the installation.

Can I connect more than one cable to the thermostat ?

YES: if the total load of the cables does not exceed 15 amps.

Can I connect one cable to another (series connection) ?

NO: each cable must be individually connected to the thermostat (connection in parallel).

How do you stick the insulation boards to the concrete slab ?

You can stick the insulation

boards to the concrete slab using regular modified or pre-mixed thinset. We recommend a 1/4 or 3/8" trowel.

Should I use self-leveler or thinset ?

While you can technically thinset and tile directly over the mats and cables, we do not recommend it as it is not practical. There is no better option between a scratch coat, thinset or a thin self-leveler pour. Select the best option for your floor covering installation.

Can I install a wooden floating floor directly on top of the cable ?

NO: cable must be embedded in thinset or self-leveling compound. Once dry, the floating wooden floor will be installed on top. Alternatively, select the FOIL heating mats which can be installed without thinset (p.18).

Can I use any thinset mortar ?

We highly recommend the use of polymer-modified adhesives, also known as "modified thinset". Both self-leveling compounds and modified thinsets are suitable with embedded products.

How do I check if the cable is working ?

The only way to see if the cable is going to work and is not damaged is to use an ohmmeter to check the resistance between the heating conductors matches what it should be in the manual or on the box. Need also to check and make sure that there is no resistance to ground.



More information on

warmupedia.warmup.com

Warmupedia documents installation tips and troubleshooting guides for all Warmup products.



Warmup General Terms

PAYMENT TERMS

Orders placed prior to credit approval will be subject to full prepayment. Warmup standard payment terms are net 30 days from date of invoice. Special terms and conditions can be negotiated and discussed with your Key Account Manager. A credit application with signed business terms must be on file with Warmup. Please include a copy of your Resale Certificate.

REMIT PAYMENTS TO

Warmup, Inc | 52 Federal Rd | Unit 1F | Danbury, CT, 06810

Shipping and handling costs will be invoiced with the products purchased. Shipping charges are a flat \$25 on all orders, regardless of value or destination within the continental USA. Warmup Insulation Boards will ship best-way and additional shipping charges may apply.

RETURNS

Returns, in resalable condition, are allowed within 30 days of purchase for a full refund. You must request an RGA from Warmup. Returns received without RGA cannot be refunded. After 30 days of purchase, or after expiration of the RGA, Warmup will only issue credit notes on future orders and apply a 20% re-stocking fee.

ORDERS MUST BE SUBMITTED IN WRITING

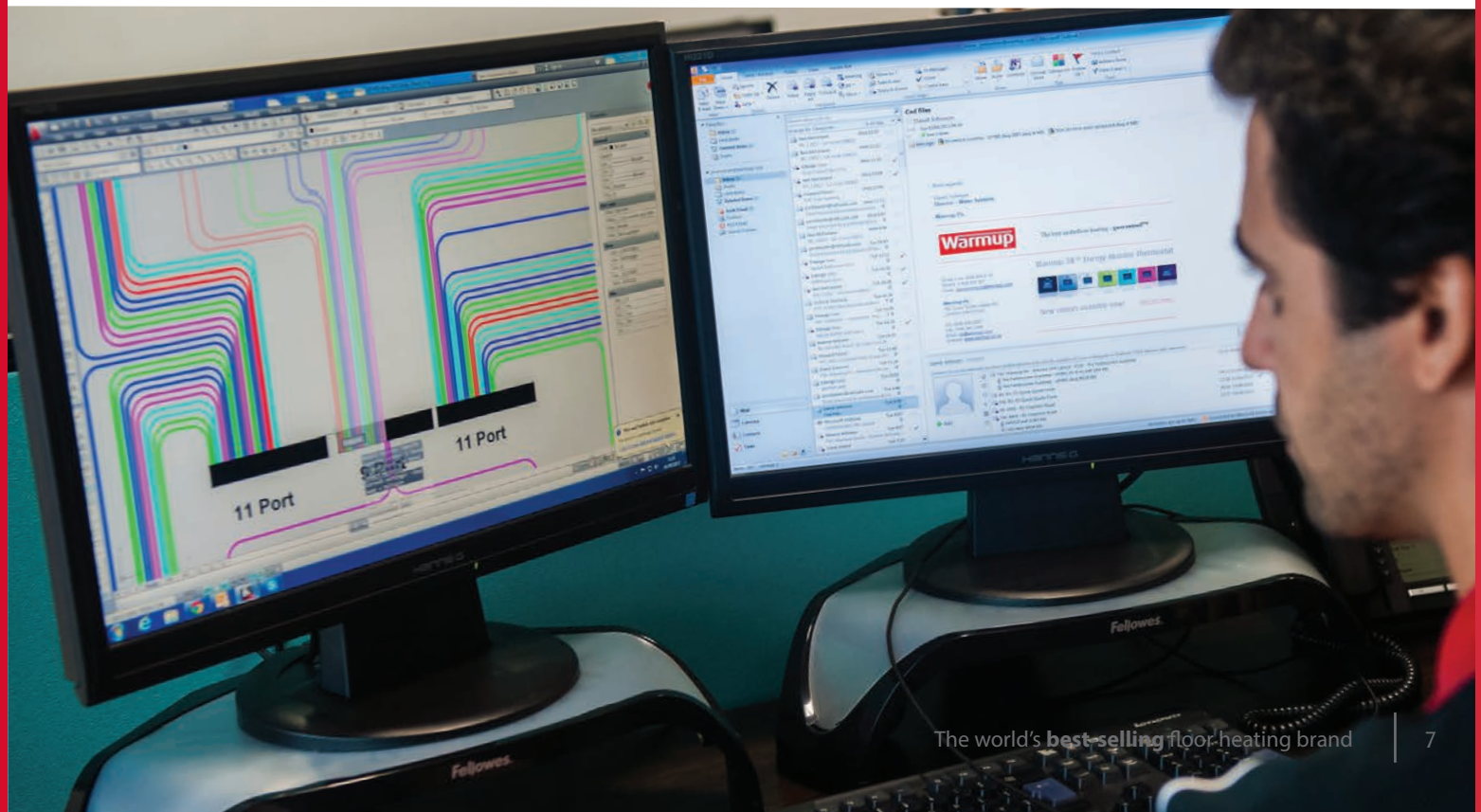
Fax: (888) 927-4721 | E-mail: ussales@warmup.com

Orders placed before 1pm (EST) will be shipped same-day, UPS. Orders placed after the deadline will be shipped promptly the following business day.

ONLINE POLICY

The Warmup brand is exclusive to established and approved brick & mortar resellers. The Warmup products cannot be sold online through third-party resellers such as Amazon or eBay. Warmup resellers may post product on their websites following the MAP policy. To obtain a copy and offer our products on your company website, please contact us@warmup.com.

For complete and up-to-date Warmup Inc. Terms and Conditions, visit warmup.com.



Bring comfortable warmth
to your **floors** with Warmup®



Install a Warmup floor heating system to heat your whole house or to take the chill off stone and tiled floors!

Warmup can be used as the primary heat source and bring comfortable radiant heat in bathrooms, kitchens and other tiled/stone areas of the home.

Electric floor heating from Warmup is easy to specify and install. With ready-made sizes and field-modifiable mats or

cables to fit any room and layout, you are well on your way to a successful project. Warmup provides all the assistance, controls and optional insulation to make your heated floors cost-efficient to operate. With the thinnest profile wire and the fastest heat-up times, it is no surprise Warmup is the world's best-selling electric floor heating brand.

NEW!

DCM-PRO Cable and Membrane

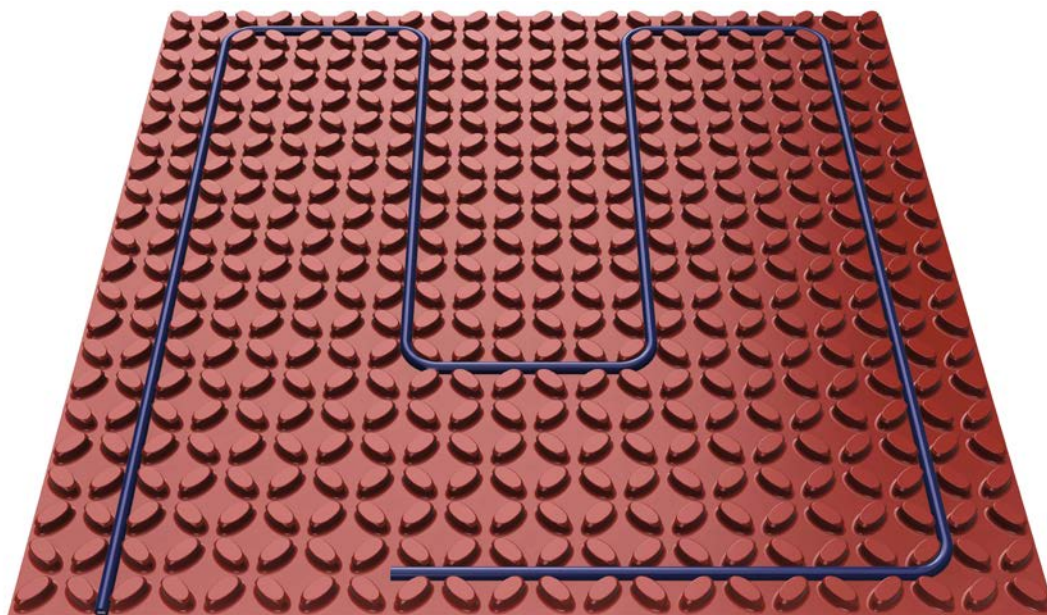
Use under tile & stone.

The Warmup DCM-PRO Cable is a custom designed cable compatible with all uncoupling membranes. It can be installed at 2, 3 or 4 pgs. The cable itself allows primary heating thanks to

the twin-core ETFE cable, for highest output. It is guaranteed 30-years. Even better results when used with Warmup 4iE Smart WiFi or 3iE Energy-Monitoring thermostats.

The Warmup DCM-PRO Cable is compatible with Schluter® DITRA-HEAT, Prodeso Heat Mat, Flextherm FLEXSnap, Heatmatrix and Warmup DCM-PRO Mat.

Thickness	3/16" (4.5mm - +/- 0.2mm)
Output	Varies with spacing from 11w/sqft to 20w/sqft
Construction	Multi-stranded, dual wire
Inner insulation	ETFE
Outer jacket	PVC
Ground braid	85% min copper
Cold lead	10ft (3m) long, 2 core braided





Code	Length (ft)	Uncoupling Systems			Loose laid cable w/ spacers			MSRP
		2 pegs	3 pegs	4 pegs	2"	3"	4"	
NADCM-C-120-65	16.7	3	5	7	3	4	6	\$157.00
NADCM-C-120-130	33.1	7	10	13	6	8	11	\$181.00
NADCM-C-120-195	49.9	10	15	20	8	12	17	\$204.00
NADCM-C-120-260	66.3	13	20	27	11	17	22	\$231.00
NADCM-C-120-325	83.0	17	25	33	14	21	28	\$254.00
NADCM-C-120-390	99.4	20	30	40	17	25	33	\$263.00
NADCM-C-120-525	132.9	27	40	53	22	33	44	\$309.00
NADCM-C-120-655	166.0	33	50	67	28	42	55	\$355.00
NADCM-C-120-785	199.1	40	60	80	33	50	66	\$399.00
NADCM-C-120-920	232.3	47	70	93	39	58	77	\$444.00
NADCM-C-120-1050	265.4	53	80	107	44	66	88	\$491.00
NADCM-C-120-1180	298.6	60	90	120	50	75	100	\$538.00
NADCM-C-120-1315	331.7	67	100	133	55	83	111	\$582.00
NADCM-C-120-1445	364.8	73	110	147	61	91	122	\$628.00
NADCM-C-120-1575	398.0	80	120	160	66	99	133	\$674.00
NADCM-C-240-325	83.0	17	25	33	14	21	28	\$254.00
NADCM-C-240-390	99.4	20	30	40	17	25	33	\$263.00
NADCM-C-240-525	132.9	27	40	53	22	33	44	\$309.00
NADCM-C-240-655	166.0	33	50	67	28	42	55	\$355.00
NADCM-C-240-785	199.1	40	60	80	33	50	66	\$399.00
NADCM-C-240-920	232.3	47	70	93	39	58	77	\$444.00
NADCM-C-240-1050	265.4	53	80	107	44	66	88	\$491.00
NADCM-C-240-1180	298.6	60	90	120	50	75	100	\$538.00
NADCM-C-240-1310	331.7	67	100	133	55	83	111	\$582.00
NADCM-C-240-1640	414.7	83	125	167	69	104	138	\$695.00
NADCM-C-240-1970	497.7	100	150	200	83	124	166	\$871.00
NADCM-C-240-2300	580.7	117	175	233	97	145	194	\$958.00
NADCM-C-240-2630	663.4	133	200	266	111	166	221	\$994.00
NADCM-C-240-2955	746.4	150	225	300	124	187	249	\$1,064.00
NADCM-C-240-3240	829.4	167	250	333	138	207	276	\$1,170.00

	Code	Description	Dimensions	MSRP
NEW!	NADCM-PRO-S	Small membrane to cover 54sqft	3'3" x 16'4"	\$159.00
NEW!	NADCM-PRO-L	Large membrane to cover 161 sqft	3'3" x 49'2"	\$359.00

	Code	Description	MSRP
NEW!	PLG-DCM-12	Plastic fixing strips - Strips are 12" long with spacing available on 1" increments. Approximately 3/16" thick. Box of 40.	\$44.00

Loose Cable System

Use under tile & stone, nailed hardwood and custom layouts

The Warmup Loose Cable System is designed for use within the adhesive layer under tiles or within a leveling compound under other floor finishes.

The variable spacing of the cable, available during design and installation, allows the system power to be tailored to the properties requirements.

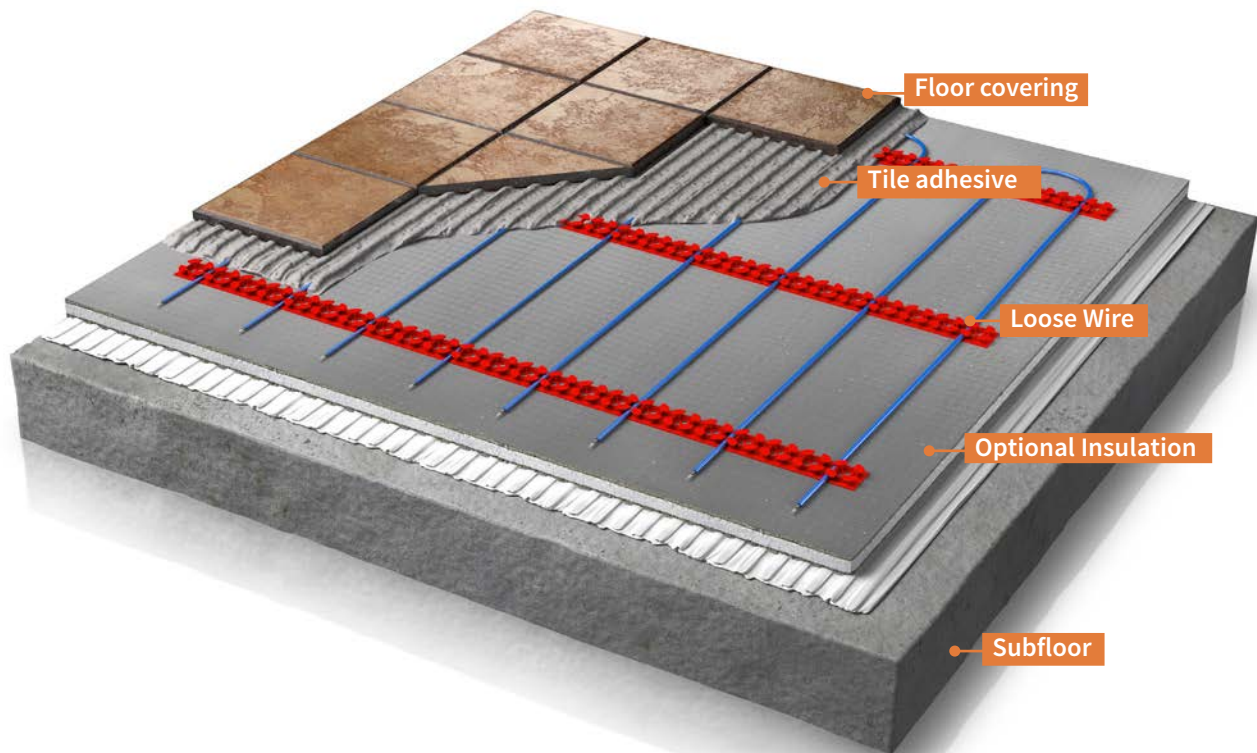
The Loose Cable System is ideal for installation within small or irregularly shaped areas.

In a bathroom, the cable can be easily installed around the fixtures and within rooms with curved features, it can easily follow the contours.

The variable spacing of the cable also allows the heat output to be matched to requirements.

For regularly shaped rooms the Sticky Mat system offers a quick and precise installation alternative to the Loose Wire System.

Alternatively, for floor finishes other than tiles, the FOIL heating System offers a completely dry construction that does not require a leveling compound, thinsets or adhesives.





Code	Cable spaced at			Length (ft)	Wattage	Amps	Resistance (Ω)	MSRP
	2"	3"	4"					
NADWS-120-140	6	10	13	40	140	1.2	102.9	\$189.00
NADWS-120-210	10	15	20	60	210	1.8	68.6	\$212.00
NADWS-120-280	13	20	27	80	280	2.3	51.4	\$236.00
NADWS-120-350	16	25	33	100	350	2.9	41.1	\$268.00
NADWS-120-420	20	30	40	120	420	3.5	34.3	\$301.00
NADWS-120-560	26	40	53	160	560	4.7	25.7	\$366.00
NADWS-120-700	33	50	67	200	700	5.8	20.6	\$416.00
NADWS-120-840	40	60	80	240	840	7.0	17.1	\$464.00
NADWS-120-1050	50	75	100	300	1050	8.8	13.7	\$538.00
NADWS-120-1260	60	90	120	360	1260	10.5	11.4	\$626.00
NADWS-120-1540	73	110	147	440	1540	12.8	9.4	\$701.00
NADWS-120-1620	80	120	160	480	1620	13.5	8.9	\$755.00
NADWS-240-350	16	25	33	100	350	1.5	164.6	\$268.00
NADWS-240-560	26	40	53	160	560	2.3	102.9	\$366.00
NADWS-240-700	33	50	67	200	700	2.9	82.3	\$416.00
NADWS-240-1050	50	75	100	300	1050	4.4	54.9	\$538.00
NADWS-240-1260	60	90	120	360	1260	5.3	45.7	\$626.00
NADWS-240-1540	73	110	147	440	1540	6.4	37.4	\$701.00
NADWS-240-2100	100	150	200	600	2100	8.8	27.4	\$863.00
NADWS-240-2520	120	180	240	720	2520	10.5	22.9	\$971.00
NADWS-240-3080	146	220	293	880	3080	12.8	18.7	\$1,187.00
NADWS-240-3240	160	240	320	960	3240	13.5	17.8	\$1,296.00

Code	Optional Insulation	MSRP	See Page
WIB-4X2-1/4*	Insulation Boards - 6 boards per box. Total coverage 48 sq ft - board size: 2'x4'x1/4"	\$213.00	24

* for mounting accessories, see page 25

Code	Thermostats	Max Load	MSRP	See Page
3iE-02NL	Programmable energy-monitoring thermostat - no lens - no GFCI	15A	\$160.00	29
4iE-03BL	Warmup 4iE Thermostat, 120V/240V with sensor and Class A GFCI, black	15A	\$209.00	
4iE-03WH	Warmup 4iE Thermostat, 120V/240V with sensor and Class A GFCI, white	15A	\$209.00	
4iE-04BL	Warmup WiFi 4iE Thermostat, with sensor and Class A GFCI, black	15A	\$269.00	
4iE-04WH	Warmup WiFi 4iE Thermostat, with sensor and Class A GFCI, white	15A	\$269.00	

Code	Accessories	MSRP
M-DGMTR	The Alligator Tester - Digital Multimeter	\$20.00
REPAIR-INDOORS	Repair kit for 120/240V systems: REPAIR-ENDCAP, REPAIR-JOINT	\$10.00
3iE-SP	Additional Floor Sensor for the 3iE® and the 4iE®.	\$20.00
RELAY-40	External 40 Amp Relay Box in NEMA 4X enclosure (6x8x4). For use with the 3iE Energy-Monitoring programmable thermostats.	\$247.00
PLG-E-12	Plastic fixing strip for NADWS cable system spacing. Strips are 12" long with spacing available on 1" increments. Approximately 5/16" thick. Sold in box of 50 strips.	\$37.50

Heating Mats

Use under tile & stone, LVT and large open spaces

The Warmup mat is designed for use within the adhesive layer under tiles or within a leveling compound under other floor finishes.

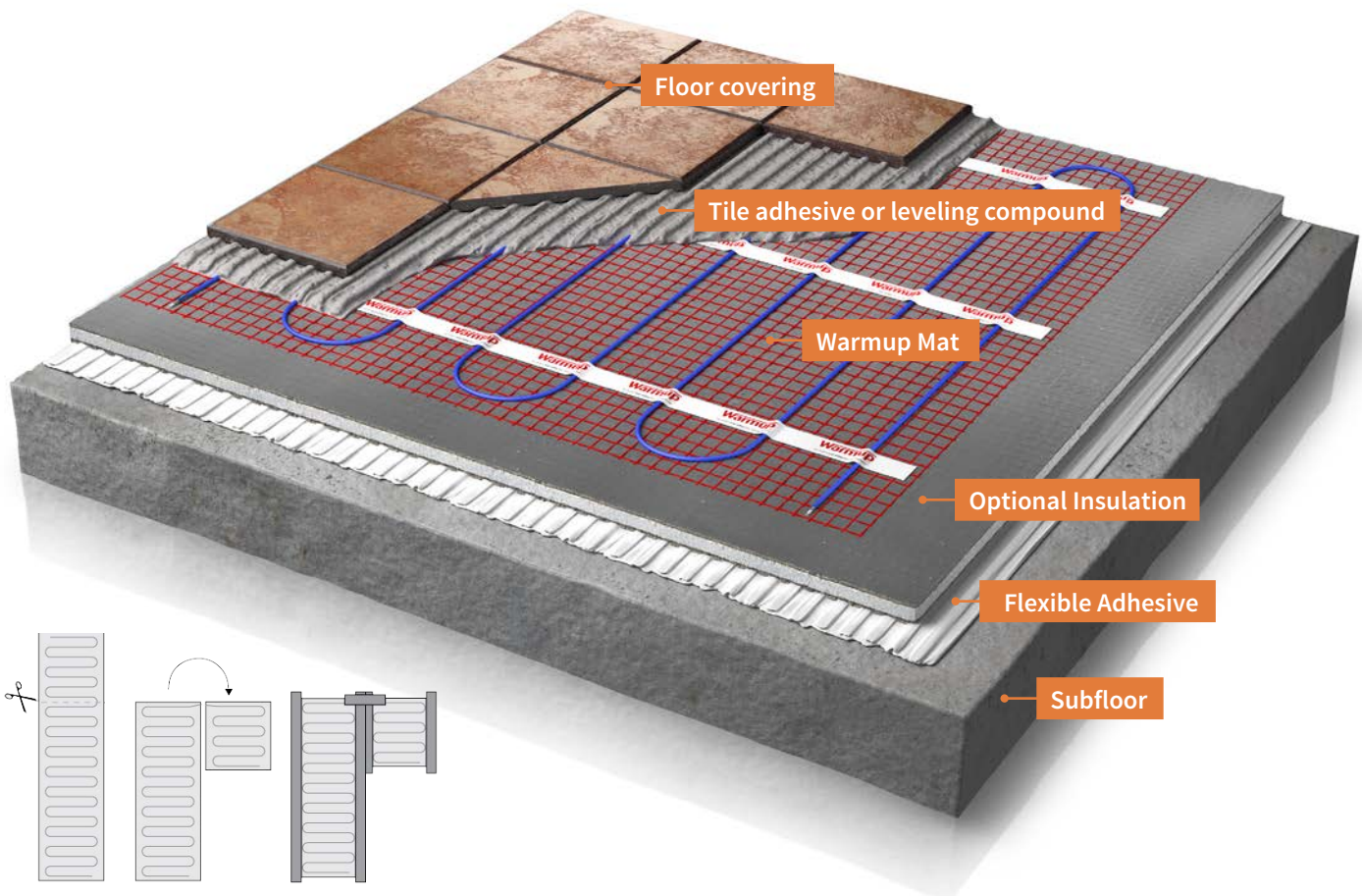
The fixed spacing and self-adhesive mat makes installation of regularly shaped rooms quick and easy, whilst ensuring precision is maintained.

The Mat System is ideal for installations within regularly shaped areas, where 20" wide mats can be quickly rolled out across the floor in parallel runs, cut and turned.

For floors using a vinyl, carpet, timber or other UFH compatible floor finishes

including tiles, the system can be covered with a leveling compound to provide a flat and level floor surface.

Alternatively, the Foil Heater System (p.18) offers a completely dry construction that does not require a leveling compound.





Area (sqft)	Code	Mat Length (ft) (20" wide)	Wattage	Amps	Resistance (Ω)	MSRP
10	NADWM-120-140	6'	140	1.2	102.8	\$204.00
15	NADWM-120-210	9'	210	1.8	68.5	\$258.00
20	NADWM-120-280	12'	280	2.3	51.4	\$290.00
25	NADWM-120-350	15'	350	2.9	41.2	\$322.00
30	NADWM-120-420	18'	420	3.5	34.3	\$355.00
40	NADWM-120-560	24'	560	4.7	25.7	\$442.00
50	NADWM-120-700	30'	700	5.8	20.6	\$528.00
60	NADWM-120-840	37'	840	7.0	17.1	\$614.00
75	NADWM-120-1050	46'	1050	8.8	13.7	\$744.00
90	NADWM-120-1260	55'	1260	10.5	11.4	\$863.00
110	NADWM-120-1540	67'	1540	12.8	9.4	\$1,025.00
120	NADWM-120-1620	73'	1620	13.5	8.9	\$1,079.00
25	NADWM-240-350	15'	350	1.5	164.6	\$322.00
40	NADWM-240-560	24'	560	2.3	102.9	\$442.00
50	NADWM-240-700	30'	700	2.9	82.3	\$528.00
75	NADWM-240-1050	46'	1050	4.4	54.9	\$755.00
90	NADWM-240-1260	55'	1260	5.3	45.7	\$863.00
110	NADWM-240-1540	67'	1540	6.4	37.4	\$1,025.00
150	NADWM-240-2100	91'	2100	8.8	27.4	\$1,296.00
180	NADWM-240-2520	110'	2520	10.5	22.9	\$1,512.00
220	NADWM-240-3080	134'	3080	12.8	18.7	\$1,728.50
240	NADWM-240-3240	146'	3240	13.5	17.8	\$1,836.00

Code	Optional Insulation	MSRP	See Page
WIB-4X2-1/4*	Insulation Boards - 6 boards per box. Total coverage 48 sq ft - board size: 2'x4'x1/4"	\$213.00	24

* for mounting accessories, see page 25

Code	Thermostats	Max Load	MSRP	See Page
3iE-02NL	Programmable energy-monitoring thermostat - no lens - no GFCI	15A	\$160.00	29
4iE-03BL	Warmup 4iE Thermostat, 120V/240V with sensor and Class A GFCI, black	15A	\$209.00	
4iE-03WH	Warmup 4iE Thermostat, 120V/240V with sensor and Class A GFCI, white	15A	\$209.00	
4iE-04BL	Warmup WiFi 4iE Thermostat, with sensor and Class A GFCI, black	15A	\$269.00	
4iE-04WH	Warmup WiFi 4iE Thermostat, with sensor and Class A GFCI, white	15A	\$269.00	

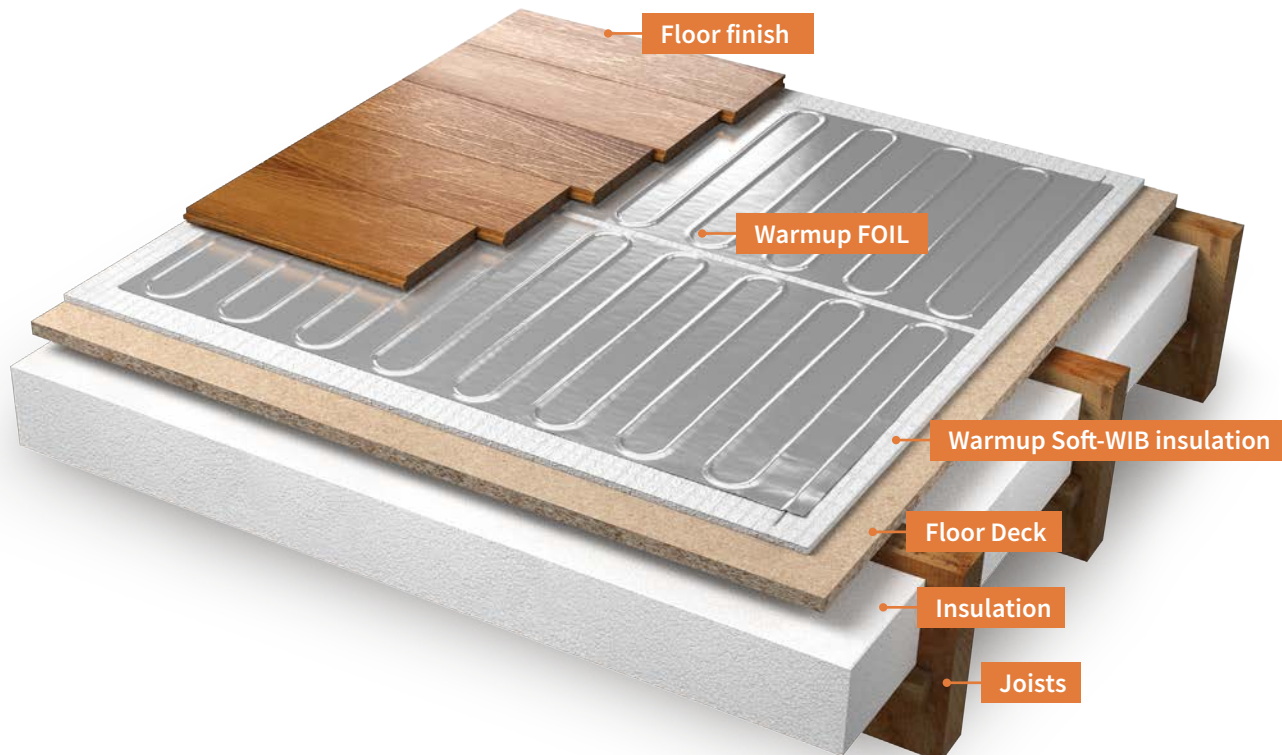
Code	Accessories	MSRP
M-DGMTR	The Alligator Tester - Digital Multimeter	\$20.00
RELAY-40	External 40 Amp Relay Box in NEMA 4X enclosure (6x8x4). For use with Warmup thermostats.	\$247.00
NEW! RELAY-4x30	External 4x30 Amp Relay Box in NEMA 1 enclosure. For use with Warmup thermostats and DS Series outdoor controllers.	\$489.00
3iE-SP	Additional Floor Sensor for the 3iE® and the 4iE®.	\$20.00
REPAIR-INDOORS	Repair kit for 120/240V systems: REPAIR-ENDCAP, REPAIR-JOINT	\$10.00

FOIL System

For use under Carpet, Laminate and Floating Engineered Wood Floors

The Warmup FOIL system is an electric mat for floating floors. It can be shaped to customize the installation under carpet and wood floors. The FOIL is installed between the pad and the floor covering, either carpet or wood planks.

All tested carpet pads are suitable under the FOIL heating mats. For laminate and wood installations, Warmup recommends the WIU insulation (p.25) to replace the typical polyurethane pad in order to provide better heat outputs and faster heat-up times.





Area (sqft)	Code	Mat length (20" wide)	Wattage	Amps	Resistance (Ω)	MSRP
10	FOIL-10-120	6'	120	1.0	120	\$146.50
15	FOIL-15-120	9'	180	1.5	80	\$183.00
20	FOIL-20-120	12'	240	2.0	60	\$205.00
25	FOIL-25-120	15'	300	2.5	48	\$257.00
40	FOIL-40-120	24'	480	4.0	30	\$411.00
50	FOIL-50-120	30'	600	5.0	24	\$514.00
60	FOIL-60-120	37'	720	6.0	20	\$615.50
20	FOIL-20-240	12'	240	1.0	240	\$205.00
25	FOIL-25-240	15'	300	1.3	192	\$257.00
40	FOIL-40-240	24'	480	2.0	120	\$411.00
50	FOIL-50-240	30'	600	2.5	96	\$514.00
60	FOIL-60-240	37'	720	3.0	80	\$615.50
70	FOIL-70-240	43'	840	3.5	69	\$718.50
95	FOIL-95-240	57'	1140	4.8	51	\$976.50
115	FOIL-115-240	70'	1380	5.8	42	\$1,181.00
130	FOIL-130-240	79'	1560	6.5	37	\$1,335.00
140	FOIL-140-240	85'	1680	7.0	34	\$1,438.00

Code	Optional Insulation	MSRP	See Page
SOFT-WIB-1/4	Warmup Insulation Underlay 270 sqft rolls	\$473.00	25

Code	Thermostats	Max Load	MSRP	See Page
3iE-02NL	Programmable energy-monitoring thermostat - no lens - no GFCI	15A	\$160.00	29
4iE-03BL	Warmup 4iE Thermostat, 120V/240V with sensor and Class A GFCI, black	15A	\$209.00	
4iE-03WH	Warmup 4iE Thermostat, 120V/240V with sensor and Class A GFCI, white	15A	\$209.00	
4iE-04BL	Warmup WiFi 4iE Thermostat, with sensor and Class A GFCI, black	15A	\$269.00	
4iE-04WH	Warmup WiFi 4iE Thermostat, with sensor and Class A GFCI, white	15A	\$269.00	

Code	Accessories	MSRP
M-DGMTR	The Alligator Tester - Digital Multimeter	\$20.00
RELAY-40	External 40 Amp Relay Box in NEMA 4X enclosure (6x8x4). For use with Warmup thermostats.	\$247.00
NEW! RELAY-4x30	External 4x30 Amp Relay Box in NEMA 1 enclosure. For use with Warmup thermostats and DS Series outdoor controllers.	\$489.00
3iE-SP	Additional Floor Sensor for the 3iE® and the 4iE®.	\$20.00

Loose Cable System for Solid Hardwood Floors

Use under nailed hardwood floors

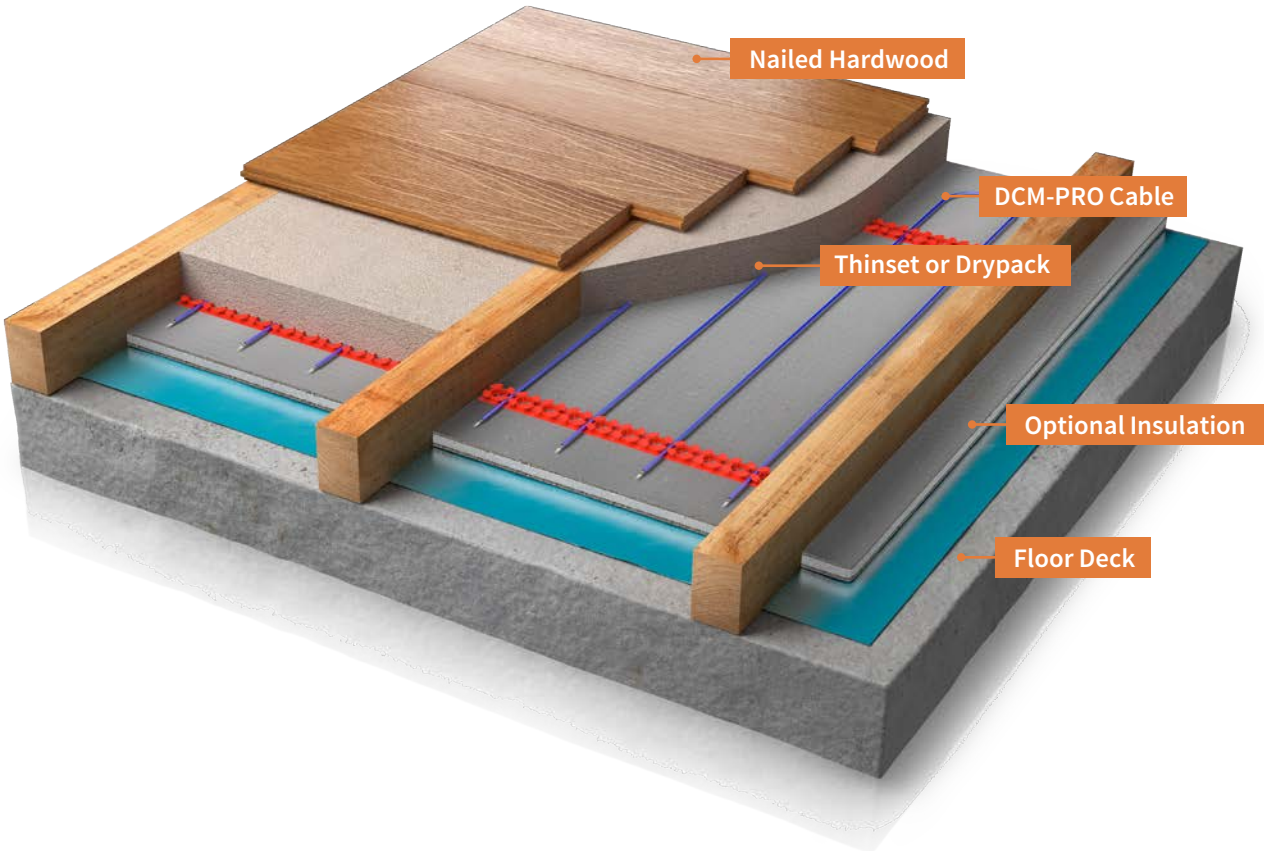
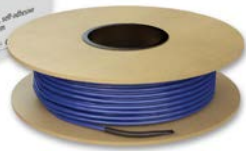
The Warmup loose cable for hardwood has been tested by many wood suppliers and is the ideal solution for radiant heating under solid wood floors. Installed at 3" to 4" spacing between sleepers about 10" to 16" on center, it allows for a nailing surface to protect the cable from damage. Filling the gaps between sleepers with thinset or drypack creates

the heat mass necessary to provide gradual and safe heating throughout the hardwood floors.

Electric floor heating systems do not affect moisture and will not impact your wood, unlike hydronic systems. It does not leak or freeze and is a tried and true solution in kitchens, basements, dining rooms and more.



DCM-PRO





Code	Length (ft)	Uncoupling Systems			Loose laid cable w/ spacers			MSRP
		2 pegs	3 pegs	4 pegs	2"	3"	4"	
NADCM-C-120-65	16.7	3	5	7	3	4	6	\$157.00
NADCM-C-120-130	33.1	7	10	13	6	8	11	\$181.00
NADCM-C-120-195	49.9	10	15	20	8	12	17	\$204.00
NADCM-C-120-260	66.3	13	20	27	11	17	22	\$231.00
NADCM-C-120-325	83.0	17	25	33	14	21	28	\$254.00
NADCM-C-120-390	99.4	20	30	40	17	25	33	\$263.00
NADCM-C-120-525	132.9	27	40	53	22	33	44	\$309.00
NADCM-C-120-655	166.0	33	50	67	28	42	55	\$355.00
NADCM-C-120-785	199.1	40	60	80	33	50	66	\$399.00
NADCM-C-120-920	232.3	47	70	93	39	58	77	\$444.00
NADCM-C-120-1050	265.4	53	80	107	44	66	88	\$491.00
NADCM-C-120-1180	298.6	60	90	120	50	75	100	\$538.00
NADCM-C-120-1315	331.7	67	100	133	55	83	111	\$582.00
NADCM-C-120-1445	364.8	73	110	147	61	91	122	\$628.00
NADCM-C-120-1575	398.0	80	120	160	66	99	133	\$674.00
NADCM-C-240-325	83.0	17	25	33	14	21	28	\$254.00
NADCM-C-240-390	99.4	20	30	40	17	25	33	\$263.00
NADCM-C-240-525	132.9	27	40	53	22	33	44	\$309.00
NADCM-C-240-655	166.0	33	50	67	28	42	55	\$355.00
NADCM-C-240-785	199.1	40	60	80	33	50	66	\$399.00
NADCM-C-240-920	232.3	47	70	93	39	58	77	\$444.00
NADCM-C-240-1050	265.4	53	80	107	44	66	88	\$491.00
NADCM-C-240-1180	298.6	60	90	120	50	75	100	\$538.00
NADCM-C-240-1310	331.7	67	100	133	55	83	111	\$582.00
NADCM-C-240-1640	414.7	83	125	167	69	104	138	\$695.00
NADCM-C-240-1970	497.7	100	150	200	83	124	166	\$871.00
NADCM-C-240-2300	580.7	117	175	233	97	145	194	\$958.00
NADCM-C-240-2630	663.4	133	200	266	111	166	221	\$994.00
NADCM-C-240-2955	746.4	150	225	300	124	187	249	\$1,064.00
NADCM-C-240-3240	829.4	167	250	333	138	207	276	\$1,170.00

	Code	Description	Dimensions	MSRP
NEW!	NADCM-PRO-S	Small membrane to cover 54sqft	3'3" x 16'4"	\$159.00
NEW!	NADCM-PRO-L	Large membrane to cover 161 sqft	3'3" x 49'2"	\$359.00

	Code	Description	MSRP
NEW!	PLG-DCM-12	Plastic fixing strips - Box of 40.	\$44.00

For accessories and controls, see page 11.

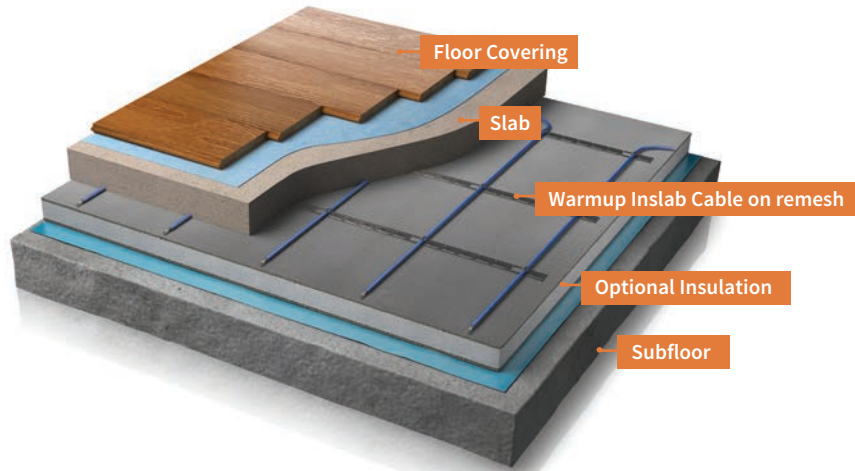
In-slab cable

Cable System for Slab Pours up to 6”

The Warmup In-slab Cable System is designed for use within a slab floor construction. The cable spacing can be tailored to the heat requirements of the space and the thickness of the slab. Warmup in-slab cables provide 20W per sqft or up to 70 BTUs per hour and easily

replace water-based applications. With an electric system there is no boiler, no pump, no manifolds and no maintenance.

It is the ideal solution for builders and remodelers in basements and room additions.



Cable length	Code	Cable spaced at			Wattage	Amps	Resistance (Ω)	MSRP
		3"	4"	5"				
93	WODH-D-240V-18W/500	24	30	39	500	2.1	114.30	\$254.00
176	WODH-D-240V-18W/950	44	59	74	950	4.0	60.00	\$387.00
250	WODH-D-240V-18W/1300	62	84	104	1300	5.4	44.40	\$446.00
315	WODH-D-240V-18W/1700	76	104	130	1700	7.1	33.80	\$564.50
437	WODH-D-240V-18W/2400	105	146	182	2400	10.0	24.00	\$756.00
625	WODH-D-240V-18W/3400	155	210	260	3400	14.2	16.90	\$906.00

Code	Thermostats	Max Load	MSRP	See Page
3iE-02NL	Programmable energy-monitoring thermostat - no lens - no GFCI	15A	\$160.00	29
4iE-03BL	Warmup 4iE Thermostat, 120V/240V with sensor and Class A GFCI, black.	15A	\$209.00	
4iE-03WH	Warmup 4iE Thermostat, 120V/240V with sensor and Class A GFCI, white.	15A	\$209.00	
4iE-04BL	Warmup WiFi 4iE Thermostat, with sensor and Class A GFCI, black.	15A	\$269.00	
4iE-04WH	Warmup WiFi 4iE Thermostat, with sensor and Class A GFCI, white.	15A	\$269.00	

Code	Accessories	MSRP
M-DGMTR	The Alligator Tester Digital Multimeter	\$20.00
REPAIR-OUTDOORS	Repair kit for 120/240V systems: REPAIR-ENDCAP, REPAIR-JOINT	\$10.00
3iE-SP	Additional Floor Sensor for the 3iE® and the 4iE®	\$20.00
RELAY-40	External 40 Amp Relay Box in NEMA 4X enclosure (6x8x4). For use with Warmup thermostats.	\$247.00
RELAY-4x30	External 4x30 Amp Relay Box in NEMA 1 enclosure. For use with Warmup thermostats and DS Series outdoor controllers.	\$489.00

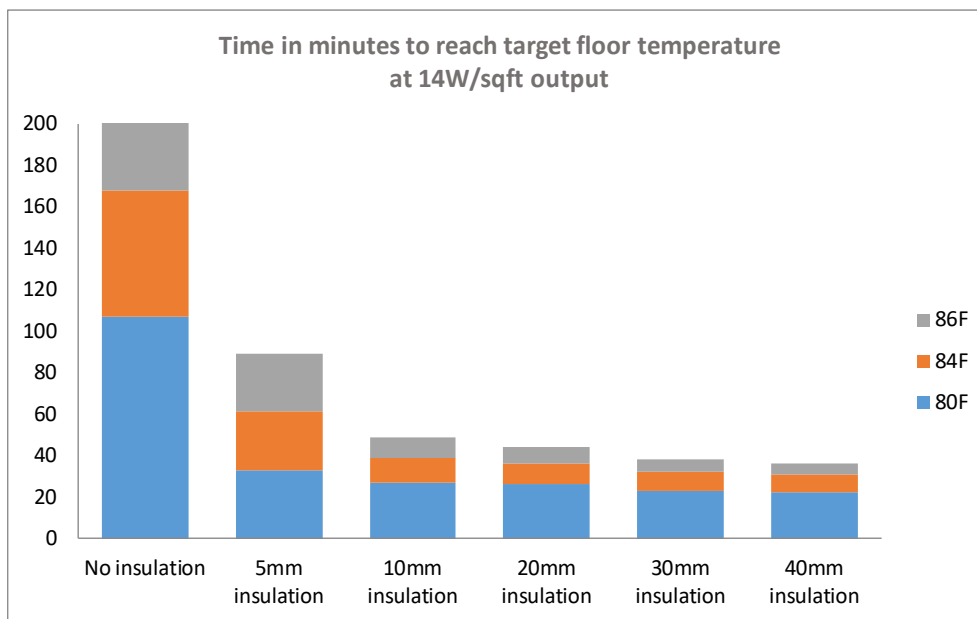
NEW!

Insulation is the key to an
efficient Primary Heat Source.

Insulation Boards Under Tile

Warmup coated Insulation Boards are an important element when installing underfloor heating. They provide the foundation to lay the heating system.

The insulation improves the response time and heat retention within the room, reducing energy consumption and carbon emissions.



78% FASTER

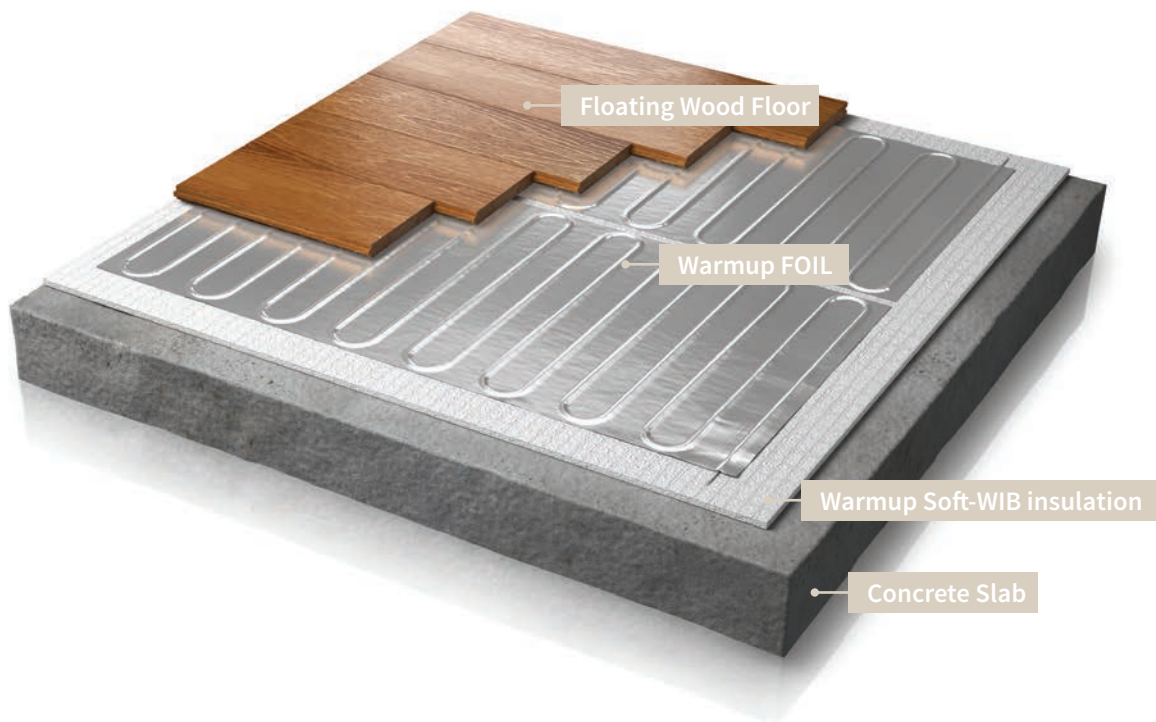
71% COST SAVINGS



Insulation Underlay For Wood Floors

Warmup Insulation Underlay is a thin polystyrene insulation barrier with effective acoustic properties to reduce contact noise.

It sits between the cold subfloor and Warmup FOIL Heating System, prevents heat loss and makes the underfloor heating system more efficient and effective. The Foil backing acts as an effective moisture barrier.



Code	Description	MSRP
WIB-4x2-1/4	Insulated Backer Board 1/4" Th, 4' x 2' (8 sqft). Minimum order of 6 boards.	\$213.00
WIB-S5/8	5/8" screws for WIB Installation. Sold in box of 100/ct.	\$29.00
WIB-W1/4	Washers w/o tabs for 1/4" WIB Installation. Sold in box of 100/ct.	\$29.00
WIB-SEALANT	Sealant for WIB seams and screws/washers. Required in wet areas only. One tube covers 6 boards.	\$13.00
SOFT-WIB-1/4	Warmup Insulation Underlay 270 sqft rolls	\$473.00

Smart Devices



4iE® Smart WiFi Thermostat

For Hydronic, Electric Radiant Heating and Baseboard applications

Always at the right temperature, home or away

The 4iE® does not require programming. It works with your smartphone to ensure your home is always at the temperature you want, just as you arrive and uses more efficient temperatures when you are away.

If you want to use a conventional program or just want to make a quick change, the MyHeating app is simple and easy to use.

The most efficient settings for your home

The 4iE® learns how you use your heating and the unique way that your home responds to changes in temperature to calculate more efficient settings.

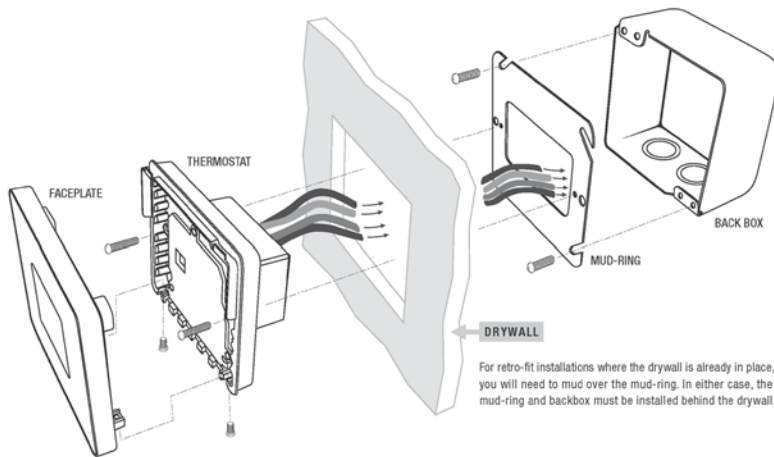
You will get tips with advice on comfortable temperatures that use less energy and the optimal times to turn the heating off early and still stay warm, **saving up to 25% on your heating usage.**

3iE[®] Energy-Monitoring Thermostat



The world's first fully interactive, touch technology, energy-monitor thermostat features an easy-to-use interface, eliminating complicated instruction manuals.

The display shows recorded energy consumption usage, so that users know the exact underfloor heating costs. Up to 10 programmable periods can be set each day to maximize energy efficiency.



Close-up of the double-gang box with faceplate

NEW!

Tempo[®] Programmable Thermostat

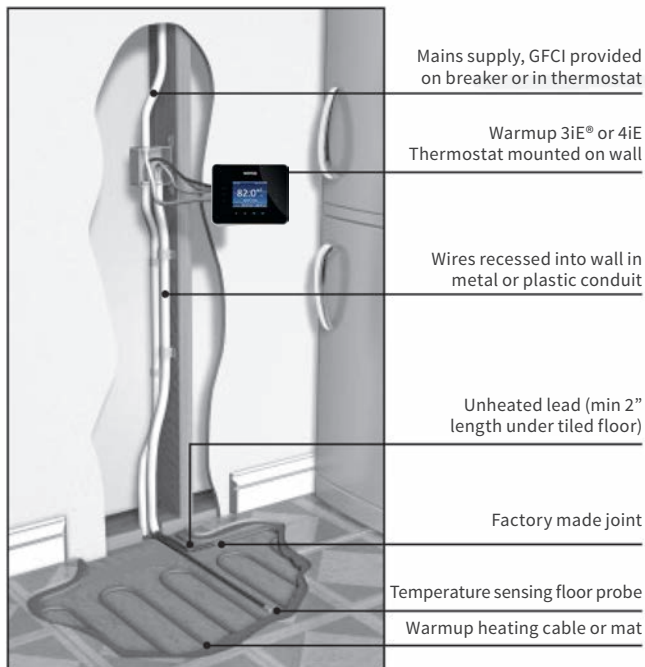


- **Simplicity:** Enables you to choose the time as easily as they would with a watch or clock and quickly set programs - heat on when you want it and off when you don't need it.
- **Compatibility** with all floor heating systems
- Clear screen displaying program details
- Easy control with dial and sliders

Thermostats Pricing

Code	Description	Max Load	MSRP
4iE-03BL	No WiFi 4iE® Thermostat, 120V/240V with sensor and Class A GFCI, black	15A	\$209.00
4iE-03WH	No WiFi 4iE® Thermostat, 120V/240V with sensor and Class A GFCI, white	15A	\$209.00
4iE-04BL	4iE® Smart WiFi Thermostat, with sensor and Class A GFCI, black	15A	\$269.00
4iE-04WH	4iE® Smart WiFi Thermostat, with sensor and Class A GFCI, white	15A	\$269.00
4iE-LENS	Color lens for the 4iE® Smart WiFi Thermostat	N/A	\$20.00
3iE-05BLGF	Programmable energy-monitoring thermostat - black lense - GFCI	15A	\$205.00
3iE-02NL	Programmable energy-monitoring thermostat - no lens - no GFCI	15A	\$160.00
3iE-LENS	Color lens. Choose color lens to customize decor: Black, White, Cream, Pink, Green, Blue, Silver or Warmberry.	N/A	\$4.00
3iE-SP	Additional Floor Sensor for the 3iE® and the 4iE®.	N/A	\$20.00
WUDG	Dual Voltage 120/240 Programmable Thermostat, w/ GFCI and Floor Sensor	15A	\$193.00
WUDG-SP	Additional Floor Sensor	N/A	\$20.00
TEMPO	Programmable thermostat	15A	\$145.00

*all thermostats include one floor sensor (3iE-SP, MSRP: \$20.00)



WUDG

Outdoor Heating

Snow Melting

Roof and Gutter De-icing

Freeze Protection



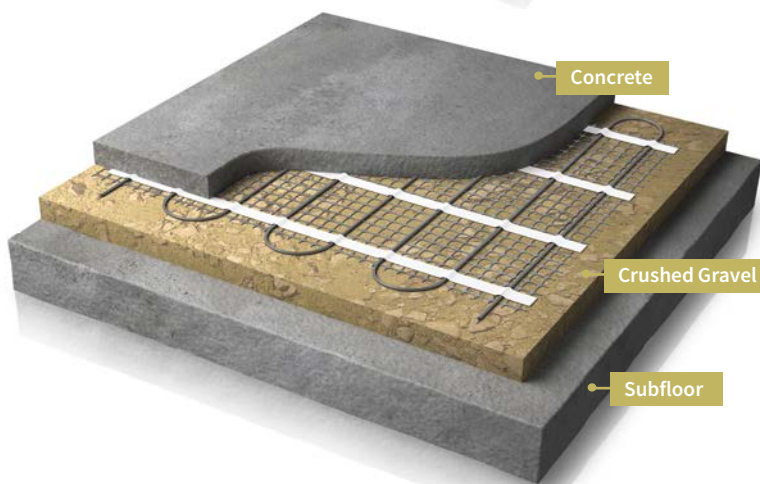
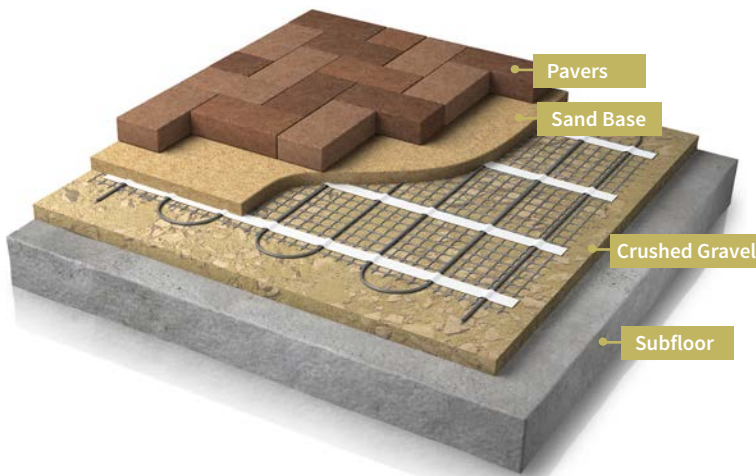
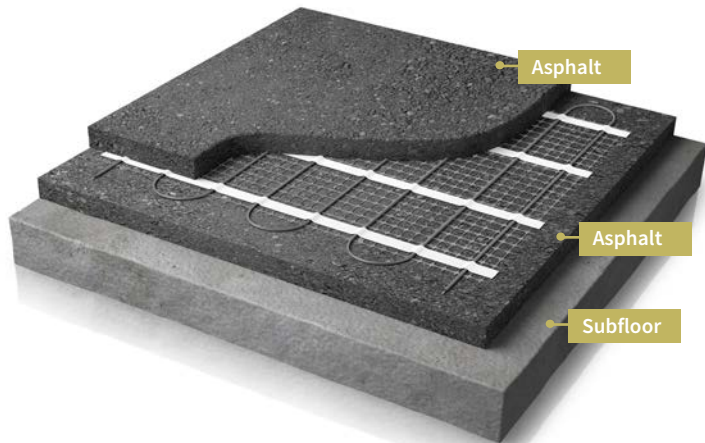
Heating Cables and Mats from Warmup are very simple and cost-effective solutions to melt the snow on steps, walkways and driveways.

Whether for comfort or protection against liability, Warmup can help clear snow and ice with a very simple combination of heating cables and controls. Warmup systems can be installed under concrete, pavers or asphalt.

Snow Melting Mats

Warmup systems are ideal to provide snow-free access to the house and prevent injuries on stairs and walkways.

They are commonly used in concrete pours, asphalt driveways and paved walkways.



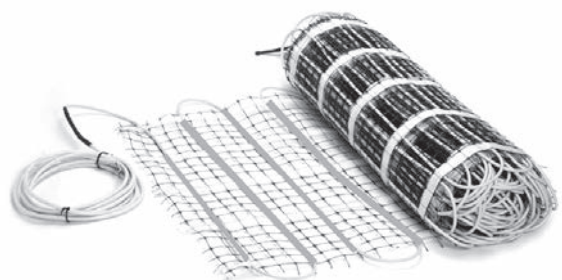
Mats are 2ft or 3ft wide and with a cable spacing providing 50w/sqft for optimum results under even the harshest conditions.

FEATURES & BENEFITS

- Versatile installation in asphalt, concrete or under pavers
- Flexible cable: quick and easy to install in every configuration
- Dual conductor cable, one-point connection
- Available in a wide range of lengths to suit your requirements

TECHNICAL DATA

- Operating voltage: 120V and 240V
- Output rating: 50W / sq ft
- Energy efficient twin-conductor heating cable of 1/4"
- Rated to a maximum temperature of 464 °F (240 °C)
- Cold tail length: 16'4"
- 10-Year Warranty





Voltage	Area (sqft)	Code	Mat Length (ft)	Wattage	Amps	Resistance (Ω)	MSRP
240V*	10	WSMM-D-240V-540W/500	5	500	2.1	115.20	\$204.00
	20	WSMM-D-240V-540W/1000	10	1000	4.2	57.60	\$280.00
	30	WSMM-D-240V-540W/1500	15	1500	6.3	38.40	\$376.50
	40	WSMM-D-240V-540W/2000	20	2000	8.3	28.80	\$430.50
	50	WSMM-D-240V-540W/2500	25	2500	10.4	23.00	\$496.00
	60	WSMM-D-240V-540W/3000	30	3000	12.5	19.20	\$561.50
	70	WSMM-D-240V-540W/3500	35	3500	14.6	16.46	\$644.00
	80	WSMM-D-240V-540W/4000	40	4000	16.7	14.40	\$727.00
	90	WSMM-D-240V-540W/4500	45	4500	18.8	12.80	\$789.50
	100	WSMM-D-240V-540W/5000	50	5000	20.8	11.50	\$896.50
	120	WSMM-D-240V-540W/6000	60	6000	25.0	9.60	\$1,037.00

*all mats can be connected to 208V, 240V and 277V, single phase and 3 phase power.

Voltage	Area (sqft)	Code	Mat Length (ft)	Wattage	Amps	Resistance (Ω)	MSRP
240V*	30	WSMM-D-240V/3x10	10	1500	6.3	19.20	\$376.50
	60	WSMM-D-240V/3x20	20	3000	12.5	16.46	\$561.50
	75	WSMM-D-240V/3x25	25	3750	15.6	15.38	\$664.50
	90	WSMM-D-240V/3x30	30	4500	18.8	14.40	\$789.50
	120	WSMM-D-240V/3x40	40	6000	25.0	12.80	\$1,037.00

*all mats can be connected to 208V, 240V and 277V, single phase and 3 phase power.

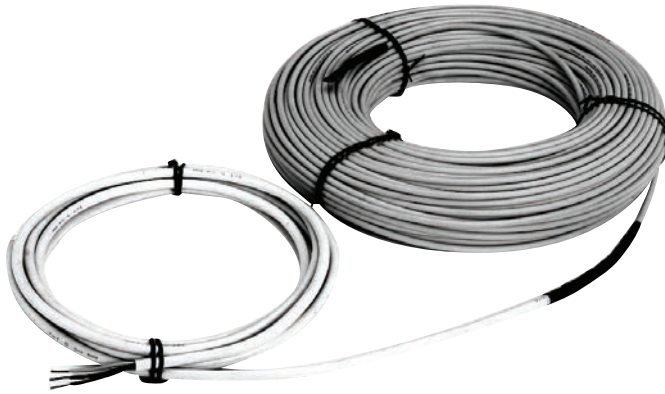
Voltage	Area (sqft)	Code	Mat Length (ft)	Wattage	Amps	Resistance (Ω)	MSRP
480V	30	WSMM-D-480V-540W/1500	15	1500	3.12	153.84	\$376.50
	40	WSMM-D-480V-540W/2000	20	2000	4.16	115.38	\$430.50
	60	WSMM-D-480V-540W/3000	30	3000	6.25	76.8	\$561.50
	80	WSMM-D-480V-540W/4000	40	4000	8.33	57.62	\$727.00
	120	WSMM-D-480V-540W/6000	60	6000	12.50	38.40	\$1,037.00

Code	Accessories	MSRP
NAMEPLATE-4x6	Branded Name Plate for use with Warmup Snow Melt Heater installations (NEC426-13)	\$35.00

For controls, see page 40.

Snow Melting Cables

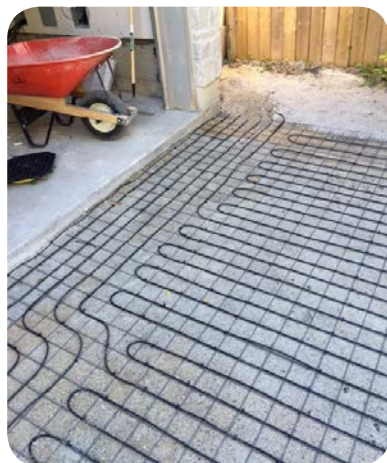
For custom layouts and spacing under concrete, pavers and asphalt pours.



Snow Melting Cables are the loose equivalent of the Mats. The cables are reinforced with advanced fluoropolymer coatings to form a cable jacket that can withstand traffic and setting material.

Warmup's Cables are completely grounded and safe for installation under asphalt, pavers and concrete.

Choose the loose format for stairs and off-shaped areas, and combine with Mats wherever necessary.



FEATURES & BENEFITS

- Versatile installation in asphalt, concrete or under pavers
- Flexible cable: quick and easy to install in every configuration
- Dual conductor cable, one-point connection
- Available in a wide range of lengths to suit your requirements

TECHNICAL DATA

- Operating voltage: 240V
- Output rating: 12W / linear foot
- Energy efficient twin-conductor heating cable of 1/4"
- Rated to a maximum temperature of 464° F (240° C)
- Cold tail length: 16'.4"
- 10-Year Warranty





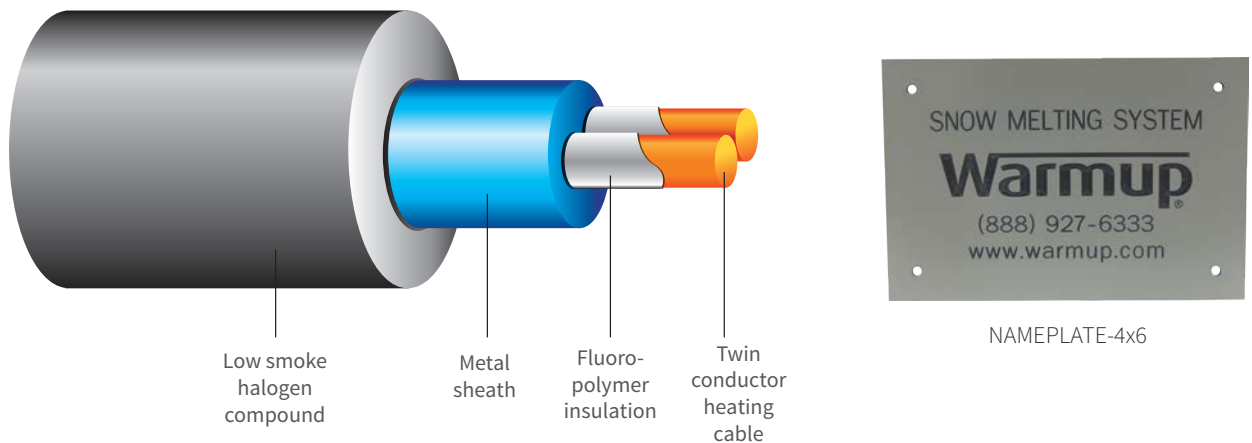
Voltage	Length (ft)	Code	Cable spaced at			Wattage	Amps	Resistance (Ω)	MSRP
			3"	4"	5"				
240V*	84	WSM-D-240V-40W/1000	20	27	34	1000	4.2	57.1	\$214.00
	168	WSM-D-240V-40W/2000	43	57	72	2000	8.3	28.9	\$355.50
	209	WSM-D-240V-40W/2500	51	67	84	2500	10.4	23.1	\$410.00
	251	WSM-D-240V-40W/3000	62	84	104	3000	12.5	19.2	\$430.50
	330	WSM-D-240V-40W/4000	85	110	135	4000	16.7	14.2	\$550.00
	420	WSM-D-240V-40W/5000	100	140	170	5000	20.8	11.5	\$678.00
	500	WSM-D-240V-40W/6000	122	181	200	6000	25.0	9.6	\$788.50

*all cables can be connected to 208V, 240V and 277V, single phase and 3 phase power.

Voltage	Length (ft)	Code	Wattage	Amps	Resistance (Ω)	MSRP
480V	84	WSM-D-480V-40W/1000	1000	2.08	230.77	\$214.00
	209	WSM-D-480V-40W/2500	2500	5.20	92.30	\$410.00
	342	WSM-D-480V-40W/4000	4000	8.33	57.62	\$550.00
	500	WSM-D-480V-40W/6000	6000	10.4	46.15	\$788.50

Code	Accessories	MSRP
NAMEPLATE-4x6	Branded Name Plate for use with Warmup Snow Melt Heater installations (NEC426-13)	\$35.00
REPAIR-OUTDOORS	Repair kit for 120/240V systems: REPAIR-ENDCAP, REPAIR-JOINT	\$10.00

For controls, see page 40.



Roof and Gutter De-Icing Systems

Warmup's self-regulating roof deicing cables are heavy-duty cables that will ensure performance under the most challenging conditions. Ice dams can lead to water seeping and interior damage, falling ice and snow on sidewalks.

We have designed the right systems to protect your roofs, gutters and downspouts from damage or injury caused by falling ice.

Our self-regulating cable will vary its output based on ambient temperature. This reduces consumption costs by requiring just the amount of heat needed to get the job done.

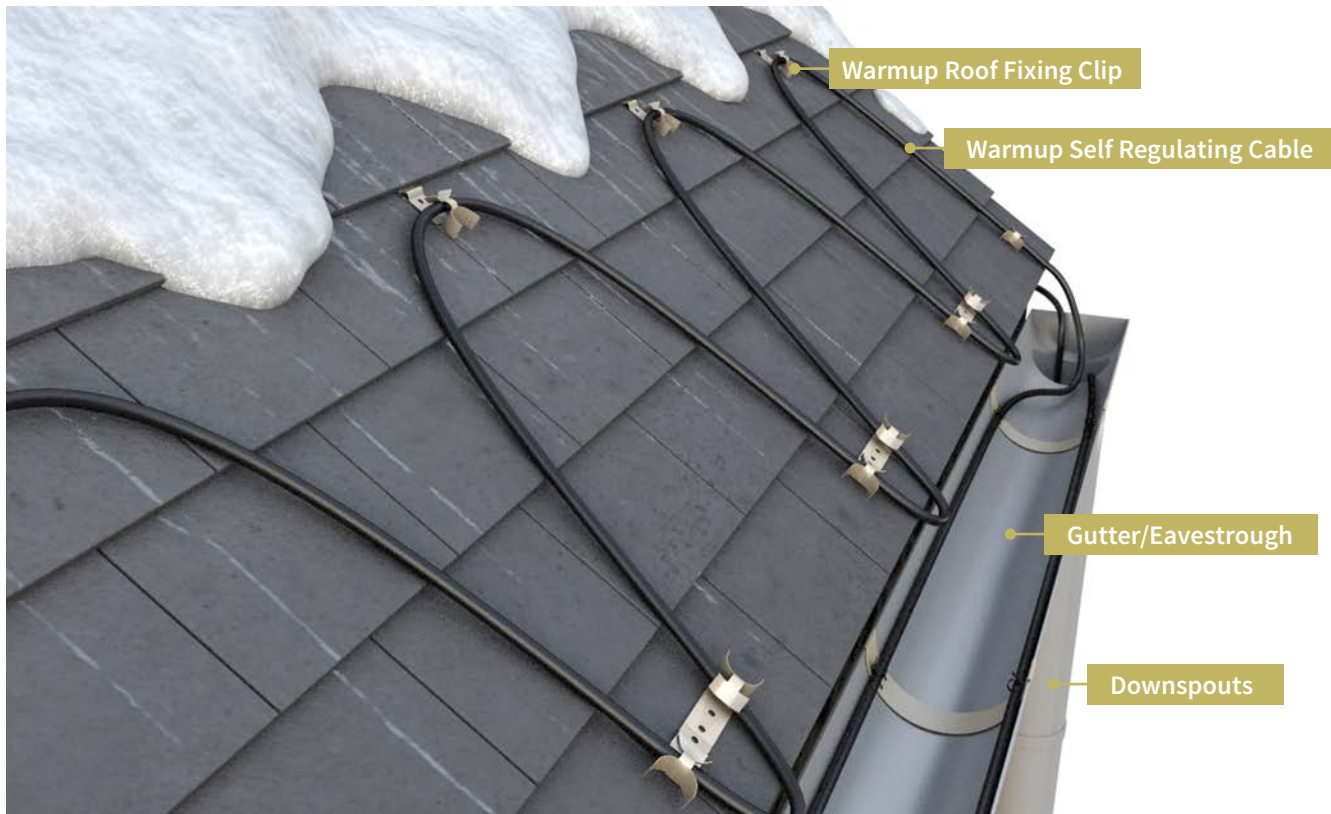
With simple plug-in kits for residential use and large spools for engineered systems and commercial buildings, we look forward to being a part of your project.

FEATURES & BENEFITS

- Self-regulating cable for cost-efficient operation
- Automatic controls to trigger heating only when needed
- Fits on all roof types with a full range of accessories
- Carries a 10-year warranty

TECHNICAL DATA

- Commercial Grade, 16 AWG Buss Wire
- Standard Braid with Overjacket for Wet & Dry locations
- Circuit Lengths up to 540 Feet
- 5W/ft at 50°F output and 8W at 32°F
- Available in 120V and 208-277 Volts





Code	Description	MSRP
NAMSR-5W-120-250	Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 250' length spools.	\$1,625.00
NAMSR-5W-240-250	Self-Regulated 16GA Cable, 208-277V, 5W/linear foot. Sold in 250' length spools.	\$1,625.00
NAMSR-5W-120-1000	Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 1000' length spools.	\$6,500.00
NAMSR-5W-240-1000	Self-Regulated 16GA Cable, 208-277V, 5W/linear foot. Sold in 1000' length spools.	\$6,500.00
NAMSRK-6FT	Self Regulating Kit with Plug, 6ft, 120V.	\$72.00
NAMSRK-12FT	Self Regulating Kit with Plug, 12ft, 120V.	\$92.50
NAMSRK-18FT	Self Regulating Kit with Plug, 18ft, 120V.	\$113.50
NAMSRK-24FT	Self Regulating Kit with Plug, 24ft, 120V.	\$134.00
NAMSRK-50FT	Self Regulating Kit with Plug, 50ft, 120V.	\$238.00
NAMSRK-75FT	Self Regulating Kit with Plug, 75ft, 120V.	\$311.00
NAMSRK-100FT	Self Regulating Kit with Plug, 100ft, 120V.	\$384.00

Code	Description	MSRP
HANGER-KIT	Downspout Hanger for Self-Regulating Cable and Roof/Gutter heaters	\$16.00
NAM-POWER-KIT	Power Connection Kit for Self-Regulating Cable. Includes 2 warning labels	\$75.00
ROOF-CLIP	Metal single roof clips packaged and sold 50 per pkg. Secure to roof with screws or Everseal SB-190 adhesive or similar.	\$103.00
SB-190	Versatile adhesive to apply the Warmup ROOF-CLIP on a variety of roof structures. It is water and weather proof with a 2,000 lbs tensile strength.	\$30.00
NAM-SPLICE-KIT	Splice/Tee Kit for Self-Regulating Cable	\$51.00
NAM-END-KIT	End Seal Kit for Self-Regulating Cable	\$19.00
CRDS -15-GFI	6ft lead with GFCI 3-prong molded plug, NEMA 5-15,15 amp, 14/3	\$60.00
SPEEDFIT-SPLICE	In-line splicing box for fast and weathertight connections in the field	\$51.00
SPEEDFIT-TEE	3-Way T-splice box for fast and weathertight connections in the field	\$51.00

For controls, see page 41.

Freeze Protection Systems

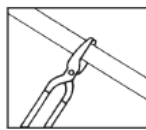
Engineered for indoor and outdoor pipe protection

Available in cut-to-length spools or plug-in kits, the Warmup Cable is applicable on metal, PVC and ceramic pipes, sprinkler systems and sewer drains. The nature of the Self-regulating Cable

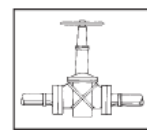
causes its output of 3, 5 or 8 W/lin ft to vary automatically with the outside conditions, thereby guaranteeing the safeguard of ducts and pipes.

TECHNICAL DATA

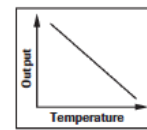
- Self-Regulating, Energy Efficient
- Output increases as temperature drops
- Commercial Grade, 16 AWG Buss Wire
- Approved for Wet and Dry locations
- Standard Braid with Overjacket
- Circuit lengths up to 540 feet
- 3, 5 and 8 Watts per lin ft @ 50°F
- 120, 208-277 Volts available from stock



Cut to any length in field



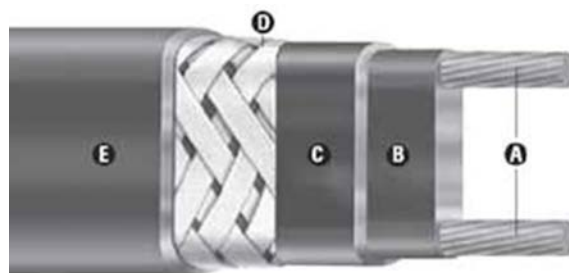
Can be single overlapped



Self Regulating



NAMSRK



CONSTRUCTION

- A. Buss Wires
- B. Matrix
- C. Jacket
- D. Tinned Copper Braid
- E. Overjacket

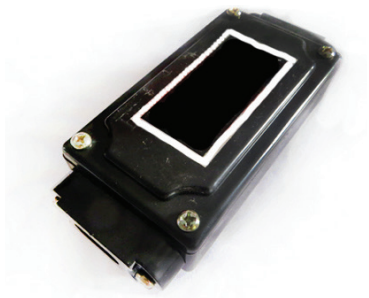


	Code	Description	MSRP
120V spools	NAMSR-3W-120-250	Self-Regulated 16GA Cable, 120V, 3W/linear foot. Sold in 250' length spools.	\$1,625.00
	NAMSR-5W-120-250	Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 250' length spools.	\$1,625.00
	NAMSR-8W-120-250	Self-Regulated 16GA Cable, 120V, 8W/linear foot. Sold in 250' length spools.	\$1,625.00
	NAMSR-3W-120-1000	Self-Regulated 16GA Cable, 120V, 3W/linear foot. Sold in 1000' length spools.	\$6,500.00
	NAMSR-5W-120-1000	Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 1000' length spools.	\$6,500.00
	NAMSR-8W-120-1000	Self-Regulated 16GA Cable, 120V, 8W/linear foot. Sold in 1000' length spools.	\$6,500.00
240V spools	NAMSR-3W-240-250	Self-Regulated 16GA Cable, 208-277V, 3W/linear foot. Sold in 250' length spools.	\$1,625.00
	NAMSR-5W-240-250	Self-Regulated 16GA Cable, 208-277V, 5W/linear foot. Sold in 250' length spools.	\$1,625.00
	NAMSR-8W-240-250	Self-Regulated 16GA Cable, 208-277V, 8W/linear foot. Sold in 250' length spools.	\$1,625.00
	NAMSR-3W-240-1000	Self-Regulated 16GA Cable, 208-277V, 3W/linear foot. Sold in 1000' length spools.	\$6,500.00
	NAMSR-5W-240-1000	Self-Regulated 16GA Cable, 208-277V, 5W/linear foot. Sold in 1000' length spools.	\$6,500.00
	NAMSR-8W-240-1000	Self-Regulated 16GA Cable, 208-277V, 8W/linear foot. Sold in 1000' length spools.	\$6,500.00
120V Kits	NAMSRK-6FT	Self Regulating Kit with Plug, 6ft, 120V	\$72.00
	NAMSRK-12FT	Self Regulating Kit with Plug, 12ft, 120V	\$92.50
	NAMSRK-18FT	Self Regulating Kit with Plug, 18ft, 120V	\$113.50
	NAMSRK-24FT	Self Regulating Kit with Plug, 24ft, 120V	\$134.00
	NAMSRK-50FT	Self Regulating Kit with Plug, 50ft, 120V	\$238.00
	NAMSRK-75FT	Self Regulating Kit with Plug, 75ft, 120V	\$311.00
	NAMSRK-100FT	Self Regulating Kit with Plug, 100ft, 120V	\$384.00

Code	Description	MSRP
TAPE-AL	Aluminum Foil Tape for Self-Regulating Cable. Sold in 90ft roll.	\$20.00
NAM-POWER-KIT	Power Connection Kit for Self-Regulated Cable. Includes 2 warning labels.	\$75.00
NAM-SPLICE-KIT	Splice/Tee Kit for Self-Regulating Cable	\$51.00
NAM-END-KIT	End Seal Kit for Self-Regulating Cable	\$19.00
NAM-LABEL+TAPE	Caution Label for Self Regulating Cable (10) with 66ft Roll of Fiberglass Application Tape.	\$47.00
SPEEDFIT-BOX	Power connection junction box (6x6x3) with Pipe-Mounting Bracket for Self-Reg connections	\$139.00
SPEEDFIT-SPLICE	In-line splicing box for fast and weathertight connections in the field	\$51.00
SPEEDFIT-TEE	3-Way T-splice box for fast and weathertight connections in the field	\$51.00

For controls, see page 41.

Self-Regulating Cable Accessories



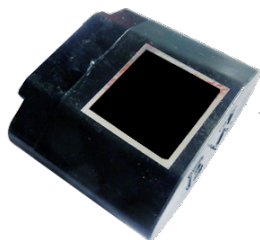
Speedfit Splice Kit (SPEEDFIT SPLICE)

This Low-Profile Speedfit Splice Kit is suitable for use with Warmup NAMSRS self-regulating cable, to make splice and end seal connections. The kit contains materials for one splice kit. This kit does not provide a power connection: use WARMUP power connection kit for a complete installation (NAM-POWER-KIT).



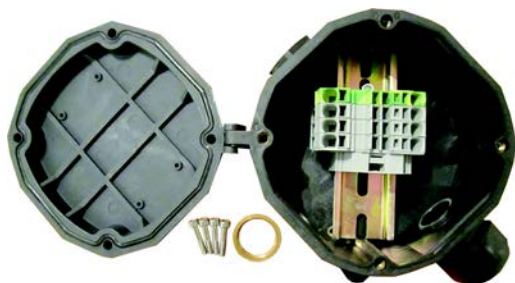
Speedfit Tee Kit (SPLICE TEE)

This Low-Profile Speedfit Tee Kit is suitable for use with Warmup NAMSRS self-regulating cable. The Speedfit Tee is used to create a “T” connection with 3 self-regulating cables. This application is found on tracing runs for water lines as well as a replacement for downspout runs in roof and gutter applications.



End Seal Kit (NAM-END-KIT)

The Warmup End Seal Kit is a solid termination kit for NAMSRS self-regulating cables. Used on both Roof & Gutter and for Pipe-Freeze Protection applications, the End Seal Kit provides the installer with a solid, mechanical cable termination. It saves time and materials over traditional heat-shrinking techniques.



Speedfit Box (SPEEDFIT-BOX)

As standard, robust and corrosion resistant polyamide enclosures are supplied for use in safe (non-hazardous) or hazardous (Class1,Div.2) areas. When used in hazardous areas, the enclosures provide type EExe protection (increased safety) in “Electrical Apparatus for Potentially Explosive Atmospheres”.



These connection kits must be installed according to NAMSRS guidelines and minimum installation temperatures.

NEW!

Constant Wattage Roof De-icing Cable supplied in pre-terminated plug-in kits.

The Warmup WRGH is a constant wattage roof de-icing system supplied in pre-terminated plug-in kits. It is offered in sizes from 30ft to 240ft, from 150W to 1,200W. It is supplied with roof clips and spacers.

WRGH kits are sold pre-assembled with a 3-prong plug in order to provide a simple, DIY solution to resolve ice dams and snow accumulation on roof lines.

While spacing will impact the eventual output, the WRGH cables are designed for residential use.

For heavy-duty and commercial applications, please refer to the NAMS product range (p.34) from Warmup.

An optional WRS-2 Controller can be purchased to reduce usage and electrical draw when temperatures are above 40°F. It is highly recommended, to increase product life and to reduce risk of fires or burn outs.



TECHNICAL DATA

- Not suitable for Pipe Freeze Protection
- Do not overlap or terminate cable
- Turn system off after the snow season
- Must be connected to GFCI protected outlet or breaker.



WRS-2 Controller

Code	Length in Feet	Wattage	Voltage	W/lin. ft	MSRP
WRGH-120-150	30	150	120	5	\$85.00
WRGH-120-300	60	300	120	5	\$109.00
WRGH-120-400	80	400	120	5	\$139.00
WRGH-120-500	100	500	120	5	\$154.00
WRGH-120-600	120	600	120	5	\$195.00
WRGH-120-800	160	800	120	5	\$228.00
WRGH-120-1000	200	1000	120	5	\$275.00
WRGH-120-1200	240	1200	120	5	\$299.00

Code	Description	MSRP
WRS-2	Moisture & Temperature Controller for Warmup WRGH Roof & Gutter De-icing Kits	\$125.00

Residential Snow Melting Controls

Code	Description	Max Amperage	MSRP
ASE-DS2	Snow/Ice Melt All-In-One Control Unit, 1 Zone control, ground and roof, 115/230VAC, 30 amps.	30A	\$665.00
ASE-DS5	Snow/Ice Melt All-In-One Control Unit, 2 Zone control, ground and roof, 115/230VAC, 2 x 30 amps.	2 x 30A	\$727.00
CDP-2	Indoor Control Panel for DS series. Fits any standard Single Gang electrical enclosure.	N/A	\$202.00
RESIBOX-120	Plug-and-Play outdoor controller with 4 x 30A/2 pole contactors allowing for a total load of 120A with a minimum power supply of 40A. Comes in LED enclosure with GFEP protection, built-in Digital controller and ground temperature sensor.	120A	\$3,812.00
AIRsense	Outdoor moisture and temperature sensor, supplied with mounting bracket.	N/A	\$889.00
USET02-4550	Programmable Controller for Roof and Pavement applications, 2 Zone control, 115/230VAC, 3 x 15 amp contacts.	3 x 15A	\$649.00
USET0G-56	Snow/Ice Melt Pavement Sensor for use with USET02-4550 Control.	N/A	\$399.00
USET0K-1	Mounting Cup for USET0G-56	N/A	\$92.00

Commercial Snow Melting Controls

Code	Description	Max Amperage	MSRP
COMMBOX-600	Plug-and-Play outdoor controller with 4 x 50A/3 pole contactors allowing for a total load of 600A with a minimum power supply of 60A. Comes in LED enclosure with GFEP protection, built-in Digital controller and ground temperature sensor.	600A	\$5,527.00
AIRsense	Outdoor moisture and temperature sensor, supplied with mounting bracket.	N/A	\$889.00
APS-3C	Snow Melting Controller with incl. slab sensor and built-in dry contacts for EMC and remote control. Rated 208-277V single phase.	N/A	\$2,103.00
RCU-3	Remote control plate for APS series panels. Optional.	N/A	\$374.00
SIT-6E	Surface-mounted snow and ice sensor used with APS series panels. Detects moisture and temperatures and triggers below 38°F for energy-efficient operation. Easy mounting in slabs with multiple conduit connections.	N/A	\$2,457.00
SIT-6E-H	Mounting cup for the SIT-6E sensor.	N/A	\$168.50
CIT-1	The maintenance-free CIT sensors activate snow melting systems below 38°F and provide automatic triggering of APS series panels. Mast or roof mounting.	N/A	\$993.00
GIT-1	GIT-1 gutter sensor for APS-3C panel. Measures moisture & temperature. Active below 38°F.	N/A	\$843.00
GF-PRO	Automatic Controller with GFEP and GF Load	30A	\$1,130.00



Roof and Gutter De-icing Controls

Code	Description	Max Amp.	MSRP
ASE-DS8	Automatic controller with remote moisture sensor and 30A relay.	30A	\$806.00
CDP-2	Indoor Control Panel for DS series. Fits any standard Single Gang electrical enclosure.	N/A	\$202.00
RESIBOX-120	Plug-and-Play outdoor controller with 4 x 30A/2 pole contactors allowing for a total load of 120A with a minimum power supply of 36A. Comes in LED enclosure with GFEP protection, built-in Digital controller and ground temperature sensor.	120A	\$3,812.00
AIRsense	Outdoor moisture and temperature sensor, supplied with mounting bracket.	N/A	\$889.00
USET02-4550	Control Unit for Roof and ground applications, 2 Zone control, 115/230VAC, 3 x 15 amp contacts.	3 x 15A	\$649.00
USET0R-55	Roof Sensor for use with Snow/Ice Control USET02-4450. Detects moisture.	N/A	\$319.00
WRS-2	Roof and Gutter Heating Cable Controller (works with WRGH)	15A	\$125.00



ASE-DS8



CDP-2



Resibox-120



AIRsense

Freeze Protection Controls

Code	Controls	Max Amperage	MSRP
TF115-001	Line voltage controller 120v - 277v, NEMA 4X enclosure with remote temperature sensor.	N/A	\$190.00
CRDS -15-GFI	6ft lead with GFCI 3-prong molded plug, NEMA 5-15,15 amp, 14/3	15A	\$60.00
SST-2	Electronic Thermostat with GFEP for Freeze Protection - 30A w/ GFEP	30A	\$1,205.00



TF115-001



CRDS -15-GFI



SST-2

Outdoor Controls



DS-2C



DS-5C

These controllers are for smaller projects up to 250 sqft.

By combining controller and sensor all in one device, they are a simple addition to the Warmup heating system.



DS-8C



CDP-2

The DS-8C offers installation convenience, with the relay and sensor all mounted on one single enclosure. It is mounted outside and its sensor dropped inside the gutter for accurate readings. It can control up to 30 amps of roof cable, usually enough for a couple of faces of a typical suburban home. Optional CDP-2 remote control.



TF115-001

This is really the budget add-on. The TF115 will switch up to 22 amps or about 500ft of cable and will only activate based on temperature. You set a temperature between 30F and 40F and the system will trigger, whether it snows or not. Not the most accurate, but the best value at under \$200.



GF-PRO

The GF-PRO can be mounted outdoors and switch up to 120 sqft of mats and cables. It is triggered by external roof or slab sensors for a more accurate reading of the weather conditions. Use with CIT-1, GIT-1 or SIT-6E sensors



COMMBOX-600 & RESIBOX-120

These control panels include everything. With built-in relay contactors and GFEP protection, these panels can switch up to 4 times the supplied voltage. This means you can create up to 4 zones but power them one at a time, thereby reducing the amount of amperage needed to run the system.

Ideal for larger projects from 500 to 1,000 sqft.

Warmup

The world's **best-selling** floor heating brand™



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