



**25**  
YEAR  
Product  
warranty

**COMFORT YOU DESERVE**

## nVent NUHEAT Cable

The highest performing heating cable system  
with maximum on-site flexibility

  
nvent

**NUHEAT**

# Maximum Versatility



nVent NUHEAT Cable combines premium quality, flexible spacing/output, and three different installation methods for maximum versatility.

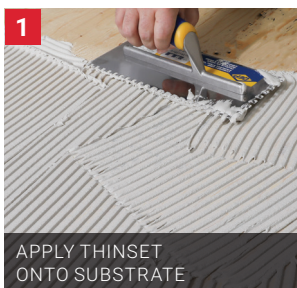
nVent NUHEAT Cable is the ideal choice when on-site adjustments are required. Install with the included Cable Guides, nVent NUHEAT Membrane, or the new nVent NUHEAT Peel & Stick Membrane.

Visit [nVent.com/NUHEAT](http://nVent.com/NUHEAT) to find a distributor near you.

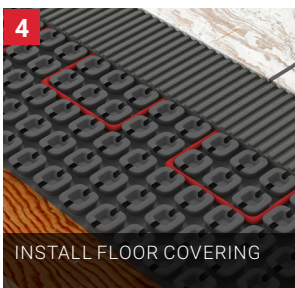
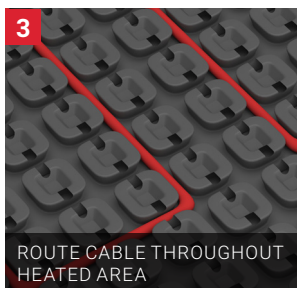
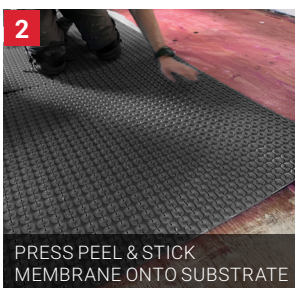
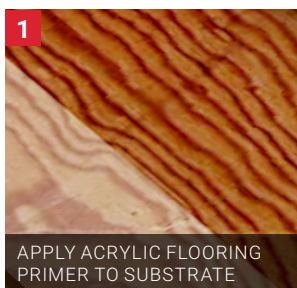
## CABLE INSTALLATION



## MEMBRANE INSTALLATION



## PEEL & STICK MEMBRANE INSTALLATION



### NOTES:

- Cable resistance must be tested before, during and after installation for warranty coverage
- All wiring connections must be completed by a certified electrician

## NVENT NUHEAT CABLE FAST FACTS

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- Heats tile, stone, laminate, engineered wood, or luxury vinyl floors
- Zero EMF (electromagnetic field) cable design
- Over 30 kit sizes; largest 120 V covers 120 ft<sup>2</sup> and largest 240 V covers 240 ft<sup>2</sup>
- Available in 120 V and 240 V
- Spacing options for 10, 12, or 15 W/ft<sup>2</sup>
- Thin cold lead and connection joint
- Easy-to-use cable guides included
- Approved for wet areas (shower floors/benches, steam rooms, etc.)
- Halfway marker on heating cable for easy layout planning
- Industry leading 25-Year Total Care warranty
- nVent NUHEAT Cable can be installed directly into the nVent NUHEAT Membrane in areas where an uncoupling feature is desired

## FAQs

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### Q: CAN NVENT NUHEAT CABLE REPLACE MY ELECTRIC BASEBOARD HEATERS?

A: Yes, nVent NUHEAT Cable produces 12 W/ft<sup>2</sup> for a heat output of 41 BTUs /ft<sup>2</sup> (or 15 W/ft<sup>2</sup> for a heat output of 51 BTUs)—easily heating most rooms.

### Q: CAN I USE NVENT NUHEAT CABLE TO REPLACE MY HOT-WATER RADIATOR?

A: Yes, nVent NUHEAT Cable is a viable alternative to water radiators. Invisible and maintenance-free, nVent NUHEAT Cable is a perfect heating option for renovations or additions.

### Q: WILL NVENT NUHEAT CABLE HEAT THE WHOLE ROOM OR JUST THE FLOOR?

A: The whole room! nVent NUHEAT Cable transforms the entire floor area into the room's heat source—guaranteeing even, consistent heat.

## HEAT COVERAGE COMPARISON

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NUHEAT

**41-51**

BTUs per ft<sup>2</sup>



BASEBOARD HEATER

**34**

BTUs per ft<sup>2</sup>



## OPERATING COST EXAMPLE

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		<i>ft</i> <sup>2</sup>	<i>\$</i> <sup>*</sup>
Bathroom	5.5 hr.	50	\$0.18
Kitchen	7.5 hr.	150	\$0.75
Living Room	7.5 hr.	200	\$1.01

\*Average winter operating cost. Based on US Energy Information Administration 2017 national average of \$0.1289 per kWh and modern insulation standards.

## NVENT NUHEAT CABLE SPECIFICATIONS

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Operating voltage	120 V, 208 V, and 240 V
Power output	10-15 W/ft <sup>2</sup> (depending on wire spacing)
Minimum bending radius	0.5 in (12 mm)
Maximum continuous exposure temperature	194°F (90°C)
Minimum installation temperature	50°F (10°C)
Heating cable	2-wire, grounded, twisted pair with PVC outer jacket
Cold lead	2-wire, 16-18 AWG plus ground braid; 10 ft (3 m) length

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## NVENT NUHEAT MEMBRANE FAST FACTS

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- Provides crack isolation (ANSI A118.12 System Crack Resistance: 'High Performance' rating)
- Accommodates nVent NUHEAT Cable, cold lead joint, end seal, and sensor probe without cutting or modification
- Provides waterproofing when used with waterproofing seam tape
- Replaces one layer of plywood or cement board in the subfloor assembly
- Accepts use of modified and unmodified thinsets for tile setting
- Robinson Floor Test (ASTM C627): 'Extra Heavy' rating
- Industry leading 25-Year Total Care Warranty

## NVENT NUHEAT PEEL & STICK MEMBRANE FAST FACTS

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- Provides crack isolation (ANSI A118.12 System Crack Resistance: 'High Performance' rating)
- Accommodates nVent NUHEAT Cable, cold lead joint, end seal, and sensor probe without cutting or modification
- Installs in 40% less time than membranes that require thinset, eliminates thinset oozing through seams
- Replaces one layer of plywood or cement board in the subfloor assembly
- Accepts use of modified and unmodified thinsets for tile setting
- Robinson Floor Test (ASTM C627): 'Moderate' rating
- Industry leading 25-Year Total Care Warranty

## CABLE (120 V)

Square Foot Coverage					Model No.	Length (ft)	Amps	Watts	
w/ Cable Guides		w/ Membrane							
3" Spacing*	3"/2"/3" Spacing**	3 pillars†	2/3/2 pillars‡	2 pillars§	12 W/ft²	15 W/ft²	10 W/ft²	12 W/ft²	15 W/ft²
8	6	9	8	6	N1C008	29	0.7	80	
12	9	14	12	10	N1C012	47	1.2	138	
15	12	17	15	12	N1C015	57	1.4	170	
25	20	30	25	21	N1C025	98	2.5	299	
30	25	36	31	25	N1C030	120	2.9	343	
40	30	45	38	31	N1C040	148	3.7	442	
50	40	57	48	39	N1C050	188	4.7	562	
60	50	71	60	49	N1C060	234	6.0	719	
70	55	81	68	55	N1C070	265	6.8	810	
80	65	97	82	66	N1C080	318	7.9	947	
85	70	102	86	69	N1C085	334	8.5	1021	
95	80	115	97	78	N1C095	377	9.7	1161	
110	90	129	109	88	N1C110	423	10.8	1299	
120	100	145	122	98	N1C120	474	12.2	1461	

## CABLE (240 V)

Square Foot Coverage					Model No.	Length (ft)	Amps	Watts	
w/ Cable Guides		w/ Membrane							
3" Spacing*	3"/2"/3" Spacing**	3 pillars†	2/3/2 pillars‡	2 pillars§	12 W/ft²	15 W/ft²	10 W/ft²	12 W/ft²	15 W/ft²
15	12	17	14	12	N2C015	56	0.7	165	
20	15	24	21	17	N2C020	80	0.9	224	
25	20	31	26	21	N2C025	102	1.3	302	
35	30	41	35	28	N2C035	136	1.7	403	
45	35	54	46	37	N2C045	178	2.2	523	
55	45	63	53	43	N2C055	207	2.6	632	
65	50	76	64	52	N2C065	250	3.1	742	
70	60	84	71	58	N2C070	277	3.5	842	
85	70	102	86	69	N2C085	334	4.3	1020	
90	75	109	92	74	N2C090	358	4.6	1102	
100	85	120	101	82	N2C100	393	5.0	1211	
120	100	145	121	98	N2C120	472	5.9	1427	
135	110	162	136	110	N2C135	529	6.8	1621	
145	120	172	144	116	N2C145	561	7.1	1704	
160	130	193	162	131	N2C160	630	8.0	1914	
170	140	204	171	138	N2C170	665	8.6	2054	
190	160	233	195	157	N2C190	757	9.6	2314	
215	180	261	219	176	N2C215	849	10.8	2589	
240	200	293	246	198	N2C240	953	12.1	2905	

nVent NUHEAT Cable offers flexible spacing for varying watt density, allowing installers flexibility on the job site. Square foot coverages above are estimates based on a square area with unheated border of 2" and actual coverage will vary depending on the number of turns in the cable path (more turns result in slightly less coverage).

### NVENT NUHEAT CABLE GUIDE NOTES:

\*3-inch spacing in Cable Guides produces 12 W/ft² (standard output)

\*\*Alternating 3-inch / 2-inch spacing in Cable Guides produces 15 W/ft² (high output), which is best for installations on a concrete slab or when heat loss is a concern.

### NVENT NUHEAT MEMBRANE NOTES:

†3 pillar spacing in nVent NUHEAT Membrane produces 10 W/ft² (low output), which is not typically recommended but possible for low-use areas when trying to stretch coverage.

‡Alternating 2-3-2 pillar spacing in nVent NUHEAT Membrane produces 12 W/ft² (standard output).

§2 pillar spacing in nVent NUHEAT Membrane produces 15 W/ft² (high output), which is best for installations on a concrete slab or when heat loss is a concern.

## MEMBRANE

Model #	Part #	Description	Area (ft <sup>2</sup> )	Dimensions
NUMEM250PS	FG0801	Peel & Stick Membrane Sheets (25 sheets per box)	10.6	3'3" x 3'3"
NUMEM161	AC0105	Large Membrane Roll	160.9	3'3" x 49'6"
NUMEM054	AC0106	Small Membrane Roll	53.6	3'3" x 16'6"
NUMEM250	FG0800	Membrane Sheets (25 sheets per box)	10.6	3'3" x 3'3"
PRBPE 1505	AC0107	Small Seam Tape Roll		6" x 16'
PRBPE 1530	AC0108	Large Seam Tape Roll		6" x 98'



## WARRANTY

**GAIN THE EXCLUSIVE RIGHTS** to offer 25-Year Total Care Warranty\* for your floor heating installations. By signing up today you're on your way to distinguishing yourself through expert certification.

For more information, please call: +1.800.778.WARM(9276) or email: [CertifiedPROteam@nvent.com](mailto:CertifiedPROteam@nvent.com)

\* Total Care Warranty is an upgrade of our product warranty and is offered exclusively at no additional cost for all installations completed by nVent NUHEAT Certified PRO installers. To learn more on how to become a nVent NUHEAT Certified PRO installer visit [nVent.com/NUHEAT](http://nVent.com/NUHEAT)

# THERMOSTATS



## nVent NUHEAT Signature WiFi-Enabled Floor Heating Thermostat

- WiFi-enabled
- 3.5 in Color touchscreen
- Energy usage monitor
- 7-day programmability
- Dual-voltage (120 V & 240 V)



Control4



## nVent NUHEAT Home Programmable Floor Heating Thermostat

- 3.5 in Color touchscreen
- Energy usage monitor
- 7-day programmability
- Dual-voltage (120 V & 240 V)



## nVent NUHEAT Element Non-Programmable Floor Heating Thermostat

- Manual temperature control
- Dual-voltage (120 V & 240 V)



## North America

Tel: 1-800-778-9276

Fax: 1-604-529-4404

res.customercare@nvent.com



[nVent.com/NUHEAT](http://nVent.com/NUHEAT)

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NUHEAT-SB-H60132-FHCable-EN-2110

All thermostats come with manufacturer's limited (3) three-year warranty (valid from the date of purchase) and built-in GFCI protection.