

Nuheat

excellence is everything

Cable

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

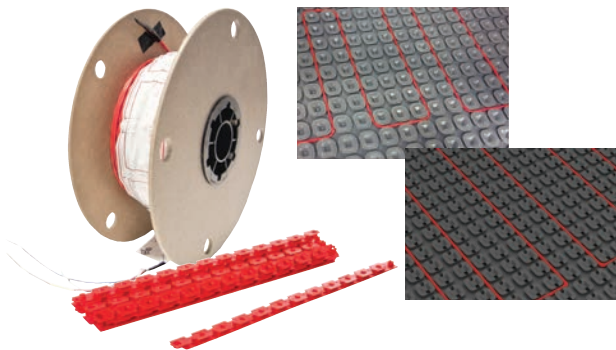


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Maximum versatility



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

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

Visit **nuheat.com** to find a distributor near you.

CABLE INSTALLATION



Install cable



Apply self-leveler

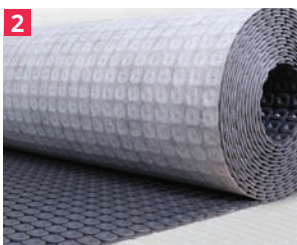


Install floor covering

MEMBRANE INSTALLATION



1
Apply thinset
onto substrate



2
Press Membrane
into thinset



3
Route cable throughout
heated area



4
Install floor covering
covering heated area

PEEL & STICK MEMBRANE INSTALLATION



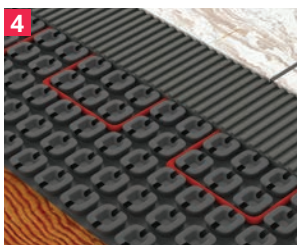
1
Apply acrylic flooring
primer to substrate



2
Press Peel &
Stick Membrane
onto substrate



3
Route cable throughout
heated area



4
Install floor covering
covering heated area

Notes:

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

FAST FACTS

- 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 ft² and largest 240 V covers 240 ft²
- Available in 120 V and 240 V
- Spacing options for 10, 12, or 15 W/ft²
- 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
- Nuheat Cable can be installed directly into the Nuheat Membrane in areas where an uncoupling feature is desired

FAQS

Q: Can Nuheat Cable replace my electric baseboard heaters?

A: Yes, Nuheat Cable produces 12 W/ft² for a heat output of 41 BTUs /ft² (or 15 W/ft² for a heat output of 51 BTUs)—easily heating most rooms.

Q: Can I use Nuheat Cable to replace my hot-water radiator?

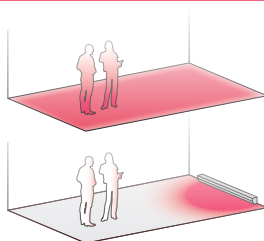
A: Yes, Nuheat Cable is a viable alternative to water radiators. Invisible and maintenance-free, Nuheat Cable is a perfect heating option for renovations or additions.

Q: Will Nuheat Cable heat the whole room or just the floor?


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

HEAT COVERAGE COMPARISON

Nuheat
41-51
BTUs per ft²
Baseboard heater
34
BTUs per ft²



OPERATING COST EXAMPLE

		<i>ft</i> ²	\$ [*]
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.

NUHEAT CABLE SPECIFICATIONS

Operating voltage	120 V, 208 V, and 240 V
Power output	10-15 W/ft ² (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

NUHEAT MEMBRANE FAST FACTS

- Provides crack isolation (ANSI A118.12 System Crack Resistance: ‘High Performance’ rating)
- Accommodates 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

NUHEAT PEEL & STICK MEMBRANE FAST FACTS

- Provides crack isolation (ANSI A118.12 System Crack Resistance: ‘High Performance’ rating)
- Accommodates 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 pillars⁴				
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 pillars⁴				
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

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).

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.

Nuheat Membrane notes:

- †3 pillar spacing in 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 Nuheat Membrane produces 12 W/ft² (standard output).
- ♦2 pillar spacing in 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 (ft²)	Dimensions	PKG Weight	PKG Size
NUMEM100PS	FG0802	Peel & Stick Membrane Sheets (10 sheets per box)	105.6 (10.6 per sheet)	3'3" x 3'3" (per sheet)	18 lb.	40" x 40" x 3"
NUMEM250PS	FG0801	Peel & Stick Membrane Sheets (25 sheets per box)	264.1 (10.6 per sheet)	3'3" x 3'3" (per sheet"	45 lb.	40" x 40" x 8"
NUMEM054	AC0106	Small Membrane Roll	53.6	3'3" x 16'6"	10 lb.	39" x 9.5"
NUMEM161	AC0105	Large Membrane Roll	160.9	3'3" x 49'6"	30 lb.	39" x 14.5"
NUMEM250	FG0800	Membrane Sheets (25 sheets per box)	264.1 (10.6 per sheet)	3'3" x 3'3" (per sheet)	45 lb.	40" x 40" x 8"
PRBPE 1505	AC0107	Small Seam Tape Roll	n/a	6" x 16'	1 lb.	6" x 3" x 3"
PRBPE 1530	AC0108	Large Seam Tape Roll	n/a	6" x 98'	1 lb.	6" x 5" x 5"



WARRANTY

Join 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.

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

For more information, please
call: +1.800.778.WARM(9276)
or email: NUHEAT.CustomerCare@chemelex.com

THERMOSTATS



Nuheat Conductor

- Wifi-enabled with iOS® and Android® apps
- Bluetooth-enabled for easy setup without wifi
- Vanishing, touch-sensitive display
- Fully programmable
- Basic functions on device, others in app
- Works with popular smart home systems including Apple Home, visit nuheat.com/connected-home for more info



Nuheat Signature

- Wifi-enabled with iOS® and Android® apps
- 3.5" color touchscreen
- Fully programmable
- All functions on device & in app
- Live, local weather report
- Works with popular smart home systems, visit nuheat.com/connected-home for more info



Nuheat Home

- 3.5" color touchscreen
- Fully programmable



Nuheat Element

- Simple, easy to use controls
- Manual operation (non-programmable)

All thermostats come with manufacturer's limited (3) three-year warranty (valid from the date of purchase), built-in GFCI protection, options for room sensing and floor sensing, and dual-voltage functionality (120 V & 240 V).



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