

Electric floor heating system

PRODUCT OVERVIEW



nVent NUHEAT Cable is a free-form floor heating cable system that brings soothing heat to the following surfaces:

- Tile
- Stone
- Laminate
- Engineered wood
- Luxury vinyl flooring

Cable is a floor heating product for kitchens, bathrooms and other spaces where on-site adjustments are necessary to provide the desired heating coverage. Patented plastic cable guides allow the heating cable to be installed on site based on the site dimensions. Cable can be spaced on site to provide 12-15 W/ft² based on the desired wattage output requirements of the installation.

Cable is available in 33 different sizes to accommodate areas as small as 8 ft² to 240 ft². Multiple cable kits can be combined to provide heat coverage for the desired area. Cable is available in 120 V and 240 V.

KIT CONTENTS

- 1 Cable floor heating system
- 1 Installation instruction manual



CABLE SELECTION TABLE

CABLE (120 V)

Square Foot Coverage								
w/ Cable Guides		w/ nVent NUHEAT 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/ nVent NUHEAT 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

For installations where higher heat output is required, alternating 3 in/2 in spacing (15 W/ft²) may be used.

* 3 in Spacing - 12 W/ft²

** Alternating 3 in/2 in spacing - 15 W/ft²

† Pillars of the uncoupling membrane

‡ Our recommended spacing is alternating 2-3-2 pillar spacing which produces 12 W/ft². If you are installing over a concrete slab and require more heat, we recommend using 2-pillar spacing which produces 15 W/ft².

APPROVALS



"-W" wet rating for Canada as per Table 1 of C22.2
NO.130-16 and CEC section 62-104.

CABLE SPECIFICATIONS

Operating voltage	120 V and 240 V
Power output	12-15 W/ft ² (depending on spacing option chosen)
Minimum bending radius	0.5 in
Maximum ambient temperature	194°F (90°C)
Heating cable	2-wire, grounded, twisted pair with PVC outer jacket
Cold lead	2-wire, 16-18 AWG plus ground braid; PVC outer jacket, 10 ft length

ACCESSORIES

	Catalog number	Description
Peel & Stick Membrane Sheets (25 sheets per box)	NUMEM250PS	Vented polypropylene sheet with pressure-sensitive adhesive and release liner.
Membrane (Large Roll)	NUMEM161	Tile underlayment and uncoupling membrane for Cable (161 ft ² roll). For use when uncoupling product is required.
Membrane (Small Roll)	NUMEM054	Tile underlayment and uncoupling membrane for Cable (54 ft ² roll). For use when uncoupling product is required.
Membrane Sheets	NUMEM250	10.6 ft ² Sheets (25 sheets per box)
nVent NUHEAT Signature thermostat	AC0055	WiFi-enabled floor heating thermostat. This programmable thermostat can be controlled using a mobile smart phone app (iOS and Android) or web browser.
nVent NUHEAT Home thermostat	AC0056	Color touchscreen programmable floor heating thermostat with intuitive user interface and energy usage information.
nVent NUHEAT Element thermostat	AC0057	Non-programmable thermostat for simple control of any electric floor heating system.

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