For Residential and Commercial Applications

Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____

ProMelt™ Cable

Electric Snow and Ice Melt Cable

ProMelt Cable consist of a series resistance heating cable and a single power lead for easy single-point connection. The heating mat length cannot be cut to fit.

Specifications	
Supply Voltage	120V, 1-phase 208V, 1-phase 240V, 1-phase 277V, 1-phase
Maximum Heater Current	24 Amps
Maximum Circuit Load*	50 Amps
Wire Spacing	3" 4"

* GFCI Class B (ground Fault equipmnet protection) is required for each circuit.

Heating Density				
	120V	**208V**	**240V**	**277V**
3" Wire Spacing	50 W/sf *170 BTUh/sf*			
4" Wire Spacing	38 W/sf *130 BTUh/sf*			

Application

ProMelt Mats are used to melt ice or snow from an exterior surface and are designed for outdoor use only, embedded in concrete, asphalt, or sand.

Application Parameters	
Min. Bend Radius	1 inch
Max. Exposure Temperature (continuous and storage)	221ºF (105ºC)
Max. Exposure Temperature (short-term for asphalt covering)	285ºF (140ºC)
Min. Installation Temperature	40ºF (4.5ºC)

ProMelt Cables are available in various lengths with voltage options of 120, 208, 240, and 277 volts.

Installation Parameters

Determine a time to install the cable when equipment, heavy tools, and site traffic will be minimal. Apply the surfacing courses over the cable the same day the cable is installed.

If installing cable in the upper layer of a two-stage concrete slab or the upper layer of an asphalt application, the cable should be completely ready for the second stage. There is limited time between stages, as the slab should not be allowed to fully cure or the asphalt to completely cool. Therefore, lay out the cable and tie it to rewire that can be quickly lifted into place after the first stage is laid.

If a slab sensor is installed in this second layer, plan ahead so this does not cause the first layer to cure or cool too much.

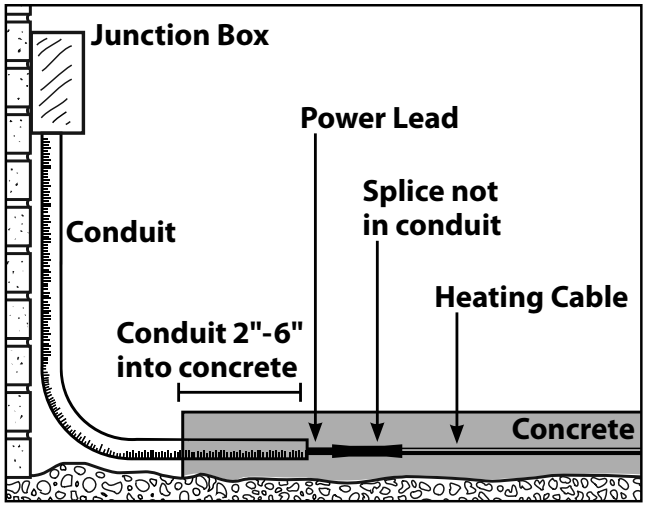
Inspect the area and remove any sharp objects.

Install in temperatures at least 40°F (4.5°C).

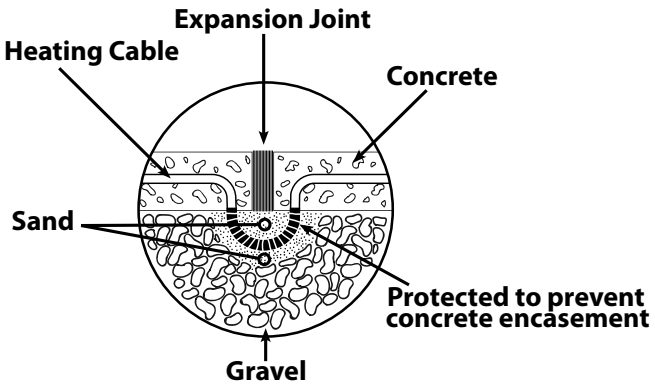
IN ORDER TO AVOID PROPERTY DAMAGE, INJURY AND/OR DEATH PLEASE REFER TO THE COMPLETE INSTALLATION MANUAL AND WARNINGS PROVIDED WITH THE PRODUCT.

ETL Listed for U.S. and Canada under UL 515, IEEE 515.1, and CAN/CSA C22.2 No. 130-03.
Listing file number 3151992

WattsRadiant™
Floor Heating & Snow Melting



ProMelt electrical leads transition from the slab to the control or electrical junction box via conduit.



ProMelt must be embedded in a sand bed when transitioning out of the concrete slab.

120 VAC

Model No.	50 W/sqft 3" Spacing (Sq Feet)	50 W/sqft 4" Spacing (Sq Feet)	Cable Length (Feet)	Amp Draw	Ohms
SC50120008HW	8	10	29	3.3	31-39
SC50120015HW	15	20	59	6.3	15-19
SC50120020HW	20	26	78	8.3	13-17
SC50120030HW	30	39	118	12.5	7-9
SC50120040HW	40	53	158	16.7	5-7
SC50120053HW	53	69	208	22.1	4-6

240 VAC

Model No.	50 W/sqft 3" Spacing (Sq Feet)	50 W/sqft 4" Spacing (Sq Feet)	Cable Length (Feet)	Amp Draw	Ohms
SC50240015HW	15	20	59	3.1	64-79
SC50240025HW	25	33	98	5.2	46-57
SC50240030HW	30	39	118	6.3	30-38
SC50240040HW	40	53	158	8.3	26-33
SC50240045HW	45	59	178	9.4	20-25
SC50240055HW	55	72	218	11.5	18-23
SC50240060HW	60	79	238	12.5	14-18
SC50240065HW	65	85	257	13.5	12-16
SC50240075HW	75	98	297	15.6	11-15
SC50240080HW	80	105	317	16.7	10-13
SC50240090HW	90	118	357	18.8	9-12
SC50240105HW	105	137	417	21.9	8-11

208 VAC

Model No.	50 W/sqft 3" Spacing (Sq Feet)	50 W/sqft 4" Spacing (Sq Feet)	Cable Length (Feet)	Amp Draw	Ohms
SC50208014HW	14	19	55	3.4	60-74
SC50208020HW	20	26	78	4.8	36-46
SC50208030HW	30	39	118	7.2	30-38
SC50208035HW	35	46	138	8.4	23-29
SC50208040HW	40	53	158	9.6	18-23
SC50208045HW	45	59	178	10.8	14-19
SC50208055HW	55	72	218	13.2	13-17
SC50208060HW	60	79	238	14.4	11-15
SC50208065HW	65	85	257	15.6	10-13
SC50208075HW	75	98	297	18.0	9-12
SC50208080HW	80	105	317	19.2	8-11
SC50208090HW	90	118	357	21.6	7-9

277 VAC

Model No.	50 W/sqft 3" Spacing (Sq Feet)	50 W/sqft 4" Spacing (Sq Feet)	Cable Length (Feet)	Amp Draw	Ohms
SC50277018HW	15	20	59	3.1	64-79
SC50277030HW	25	33	98	5.2	46-57
SC50277035HW	30	39	118	6.3	30-38
SC50277045HW	40	53	158	8.3	26-33
SC50277055HW	45	59	178	9.4	20-25
SC50277060HW	55	72	218	11.5	18-23
SC50277070HW	60	79	238	12.5	14-18
SC50277075HW	65	85	257	13.5	12-16
SC50277080HW	75	98	297	15.6	11-15
SC50277090HW	80	105	317	16.7	10-13
SC50277105HW	90	118	357	18.8	9-12
SC50277115HW	105	137	417	21.9	8-11