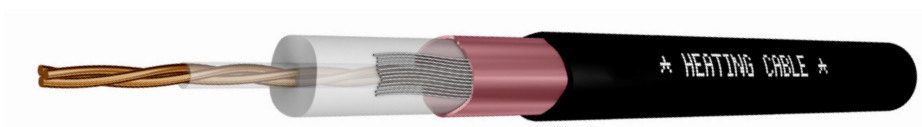
SnowMeltz Mat Snow Melting System

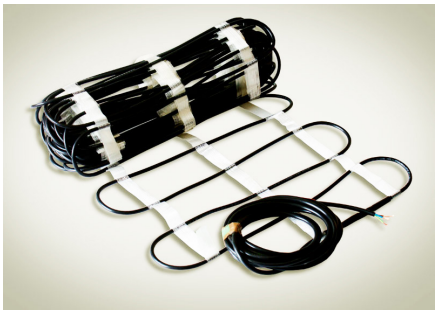
DATA SHEET

Description:

The SnowMeltz Mat system rolls out for fast and easy installation. An easy, effective, and economical way to add snow melting to various outdoor surfaces. These mats are 24” wide, come in a variety of lengths, and voltages to fit any project. SnowMeltz mats are available in either 37 or 50 watts per square foot.
Connect multiple mats to one activation device for larger square-foot areas that one Snowmeltz Mat may not accomodate. SnowMeltz can be used with a variety of Heatizon automatic moisture and temperature sensors, to ease regular use and efficiency.

Design & Application:





Specifications:

Heating cable	Single or Dual
Voltage	120VAC to 600VAC
Watts	12 watts/ft max.
Watts Per Sqft	50 w/sqft @ 208V
	50 w/sqft @ 240V, 37 w/sqft @ 208V
	50 w/sqft @ 277V, 37 w/sqft @ 240V
Cold Lead Length	20’
Mat Width	24”
Length	Refer to product label
OD Single Conductor	0.23” to 0.26”
OD Dual Conductor	0.24” to 0.35”
Cable Type	Constant Wattage
1st Insulation	Fluoropolymer
2nd Insulation	Cross-Linked XLPE
Protective Screen	Tinned Copper
Outer Jacket	Cross-Linked Halogen Free Fire Retardant Polyolefin with UV Protection
Heating Endurance	-22°F(-30°C) to 194°F(90C)
Short Term Heating Endurance	464°F(240°C) not to exceed 30 min
Minimum Spacing	2”
Standard Spacing	3” to 6”
Cap Thickness	2” to 4” max
Bending Radius	6D** (approx. 2”)
Thermal Resistance	464°F(240°C) not to exceed 30 min
Embedding Tolerance	Minimum 2” from surface of substrate

Selection Charts:

SnowMeltz 208V Mats

Model	Coverage ft²	Total Ohms	Amps	Mat Length
SM-50W208-10	10	83.2	2.5	5’
SM-50W208-15	15	52.4	4.0	8’
SM-50W208-25	25	35	5.9	12’
SM-50W208-35	35	24.8	8.4	17’
SM-50W208-45	45	19.3	10.8	22’
SM-50W208-60	60	14.4	14.4	30’
SM-50W208-75	75	11.8	17.7	37’
SM-50W208-100	100	9.1	22.8	50’

SnowMeltz 240V/208V Mats

Model	Coverage ft²	Total Ohms	Amps @240V	Amps @208V	Mat Length
SM-50W240-37W208-15	15	52.4	3.2	2.8	8’
SM-50W240-37W208-20	20	35	4.0	3.4	10’
SM-50W240-37W208-30	30	35	5.9	5.1	15’
SM-50W240-37W208-35	35	24.8	7.7	6.6	18’
SM-50W240-37W208-45	45	19.3	9.2	8.0	22’
SM-50W240-37W208-60	60	14.4	12.6	10.9	30’
SM-50W240-37W208-75	75	11.8	15.3	13.2	37’
SM-50W240-37W208-100	110	9.1	22.9	19.9	55’

SnowMeltz 277V/240V Mats

Model	Coverage ft²	Total Ohms	Amps @277V	Amps @240V	Mat Length
SM-50W277-37W240-10	10	180.1	1.5	1	4’
SM-50W277-37W240-15	15	107.8	2.6	2	7’
SM-50W277-37W240-20	20	69.8	4.0	3	10’
SM-50W277-37W240-25	25	61.4	4.5	4	13’
SM-50W277-37W240-35	35	46.5	6.0	5	17’
SM-50W277-37W240-40	40	37.4	7.4	6	21’
SM-50W277-37W240-45	45	34.1	8.1	7	23’
SM-50W277-37W240-50	50	30.7	9.0	8	25’
SM-50W277-37W240-60	60	25.6	10.8	9	30’
SM-50W277-37W240-75	75	21.3	13.0	11	37’
SM-50W277-37W240-85	85	18.2	15.2	13	43’
SM-50W277-37W240-100	100	15.7	17.7	15	50’
SM-50W277-37W240-130	130	12.1	22.9	20	65’

Intertek

Note: Refer to the NEC or CEC for specific requirements.

HEATIZON SYSTEMS

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