OWS-T Heating Cable for Snow Melting on Mat

10 YEARS
INDUSTRY LEADING WARRANTY

Concrete

Brick, concrete or natural stone paving

Asphalt
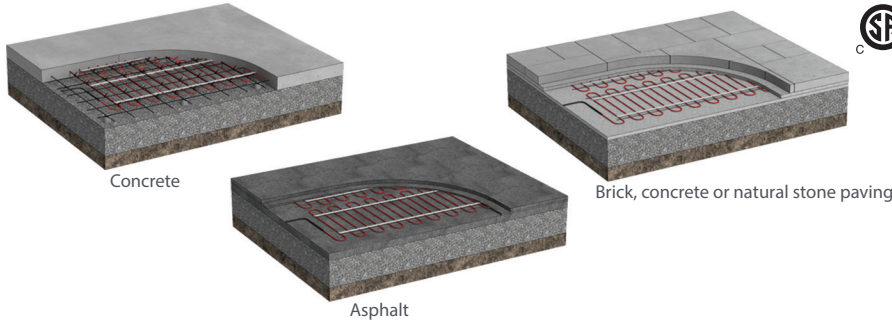
Features

Voltage
• 208V, 240V, 1-phase.

Construction
• Series heating cable set, twin conductor type.
• Heating cable held as a mat at regular 3" (76 mm) spacing with flexible strips.
• Fluoropolymer/ XLPE resistance wire insulation 0.019" (0.5 mm) thick.
• Copper shielding (0.823 sq. mm), serves as ground.
• Polyolefin (EPR) outer sheath insulation 0.08" (2 mm) thick.

Watt density
• 50W/sq. ft. (538W/sq. m) at 208V and 240V, 3" (76 mm) spacing.

Dimension
• 24" (610 mm) and 36" (914 mm) wide mats offered in several lengths.

Cold lead
• 50' (15 m) long.
• Optional 100' (30 m) cold lead available upon request.
• 12 AWG or 14 AWG (according to maximum allowable load).
• PVC outer sheath insulation 0.03" (0.76 mm) thick.
• 3/8" (9.5 mm) outer diameter.

Included materials
• Measurements table label (to be placed in electrical panel).
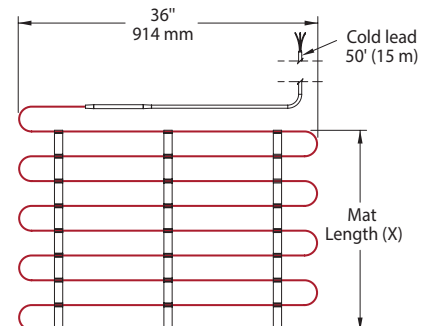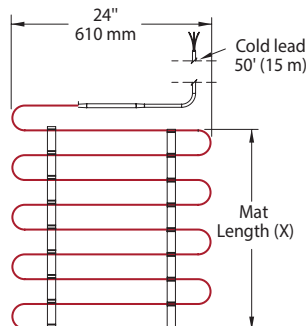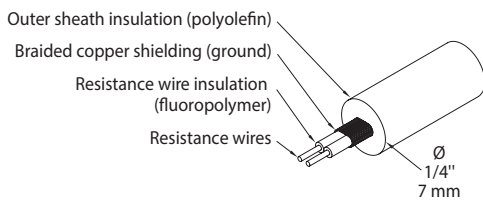
Installation
• **Never cut or shorten the heating cable.**
• For outdoor applications only.
• The heating cable must be completely embedded in concrete, asphalt or stone dust under paving.
• Minimum installation temperature -5 °C (23 °F).
• Maximum long-term exposure temperature 105 °C (221 °F).
• Maximum exposure temperature for 10 minutes 220 °C (428 °F).

Warranty
• 10-year warranty on the heating cable.

Application
• Residential driveway, sidewalk, access ramp, underground parking ramp, boarding platforms for animals.

Outer sheath insulation (polyolefin)
Braided copper shielding (ground)
Resistance wire insulation (fluoropolymer)
Resistance wires
Ø 1/4" 7 mm

24" 610 mm
Cold lead 50' (15 m)
Mat Length (X)

36" 914 mm
Cold lead 50' (15 m)
Mat Length (X)

OWS-T

OWS-T 24 in. (610 mm) Wide Models

Watts	Product # 208V	Product # 240V	Amp.	Covered surface[1] sq. ft.	Covered surface[1] sq. m	Mat length (X) ft.	Mat length (X) m	Cable length[2] ft.	Cable length[2] m	Weight lb	Weight kg
500	OWS-T0508-24	OWS-T0500-24	2.08	11.0	1.0	5	1.5	43	13.1	3.0	1.4
1000	OWS-T1008-24	OWS-T1000-24	4.17	22.0	2.0	10	3.0	86	26.2	5.0	2.3
1500	OWS-T1508-24	OWS-T1500-24	6.25	32.5	3.0	15	4.6	128	39.0	7.0	3.2
2000	OWS-T2008-24	OWS-T2000-24	8.33	43.5	4.0	20	6.1	171	52.1	10.0	4.5
2500	OWS-T2508-24	OWS-T2500-24	10.42	54.0	5.0	25	7.6	214	65.2	12.5	5.7
3000	OWS-T3008-24	OWS-T3000-24	12.50	65.0	6.0	30	9.1	257	78.4	15.0	6.8
4000	OWS-T4008-24	OWS-T4000-24	16.67	86.5	8.1	40	12.2	342	104.3	20.0	9.1
5000	OWS-T5008-24	OWS-T5000-24	20.83	108.5	10.1	50	15.2	428	130.5	25.0	11.4
6000	-	OWS-T6000-24	25.00	130.0	12.1	60	18.3	513	156.4	30.0	13.6

OWS-T 36 in. (914 mm) Wide Models

Watts	Product # 208V	Product # 240V	Amp.	Covered surface[1] sq. ft.	Covered surface[1] sq. m	Mat length (X) ft.	Mat length (X) m	Cable length[2] ft.	Cable length[2] m	Weight lb	Weight kg
450	OWS-T0458-36	OWS-T0450-36	1.88	9.5	0.9	3	0.9	38	11.6	2.5	1.1
750	OWS-T0758-36	OWS-T0750-36	3.13	16.0	1.5	5	1.5	63	19.2	3.5	1.6
1050	OWS-T1058-36	OWS-T1050-36	4.38	22.0	2.0	7	2.1	88	26.8	5.0	2.3
1500	OWS-T1508-36	OWS-T1500-36	6.25	31.5	2.9	10	3.0	126	38.4	8.0	3.6
3000	OWS-T3008-36	OWS-T3000-36	12.50	63.5	5.9	20	6.1	251	76.5	15.0	6.8
4500	OWS-T4508-36	OWS-T4500-36	18.75	95.0	8.8	30	9.1	377	114.9	22.5	10.2
6000	-	OWS-T6000-36	25.00	126.5	11.8	40	12.2	502	153.0	30.0	13.6

Installation Options

Product # Kit	Product # Factory installed*	Description
OTM-CC[3]	-	CableCheck – Electrical fault indicator
OW-G82-G	-	82 ft. galvanized steel strapping
KIT-SP2	-	Repair kit

** For factory installed options, add the option number to the product number. See the **Product Code** section inside the front cover.*
[1] Represents the area covered by the mat including 3" (76 mm) spacing between the mat strips but excluding fixed elements to be bypassed and any other required clearances.
[2] Represents the total length of the heating cable if it is detached from the flexible strips.
[3] With any OWS-T order, the accessory OTM-CC can be added free of charge upon customer request.
[4] Made to order only. Allow additional 9 to 12 weeks lead time.

Controller and Sensor Options

Product # Kit	Description	Amp.	Volts
DS-2C[1]	Aerial mounted sensor with controller to detect humidity and temperature	30A	277VAC
		186.00	28VDC
ETF-744-99	24V outdoor sensor for measuring temperature	-	24V
ETO2[1]	Dual-zone electronic controller	3 X 16A	120-240
ETO2-BOX	Mounting box for dual-zone electronic controller ETO2	-	-
ETOG	Ground sensor to detect humidity and temperature with 33 ft. (10 m) side entry cable	-	-
ETOG-56	Ground sensor to detect humidity and temperature with 80 ft. (25 m) bottom entry cable	-	-
ETOK-1	Mounting tube for ground sensor ETOG-56	-	-
ETOR-55	Gutter sensor to detect humidity with 33 ft. (10 m) cable	-	-

	Control panel dimensions (in.) (W x H x D)			
	4SSR	8SSR	12SSR	
OWS-XSSR-208[2, 3]	20 x 16 x 8	24 x 24 x 8	30 x 24 x 8	208V GFCI control panel with X[3] pairs of SSR relays, ETO2 controller and control transformer 208-120V
OWS-XSSR-240[2, 3]	20 x 16 x 8	24 x 24 x 8	30 x 24 x 8	240V GFCI control panel with X[3] pairs of SSR relays, ETO2 controller and control transformer 240-120V

[1] Requires a ground fault circuit interrupter (GFCI) in the electrical panel.
[2] Requires a ground sensor, not included with panel.
[3] X = 4, 8, 12 pairs of SSR relays.