

# Snowmelt Cable

## Overview

The Warmup Snow Melting Cables protect against snow and ice build-up over both concrete and asphalt surfaces to improve accessibility and avoid accidents. The 25W/m provide cables enhanced protection against snow and ice, maintaining safe access for vehicles and pedestrians.

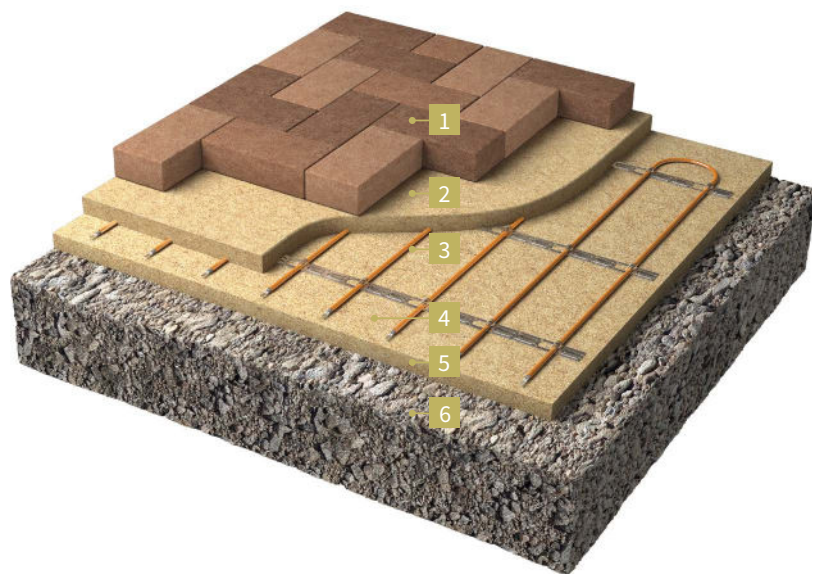
Each year thousands of people are admitted to hospital with injuries sustained following a snow or ice related fall with many more people suffering minor injuries that aren't recorded.

With a Warmup system installed and running, safe access can be maintained during spells of snow and ice wherever it is required.

When the system detects snow fall or ice forming it automatically activates, to prevent their build up and deactivates again once it has been cleared to minimise energy usage. Systems can be designed to provide protection at temperatures down to -20°C by spacing the cables closer together during installation.

### FLOOR CONSTRUCTION

- 1 Paving Blocks/Slabs
- 2 Top Bedding Layer
- 3 Warmup Snowmelt Cable
- 4 Warmup Inscreed Rail
- 5 Bottom Bedding Layer
- 6 Sub-base



**Outdoor**  
Heating

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**Warmup**

The world's best-selling floor heating brand™

# Technical Data

## TECHNICAL DATA - Concrete Applications

OPERATING VOLTAGE	220 - 240v: 50Hz
IP RATING	IPX7
CONNECTION	5m LONG "COLDTAIL" CONNECTION
CABLE THICKNESS	6mm
OUTPUT RATING	25w/m
INNER INSULATION	Advanced Fluoropolymer (ETFE)
OUTER INSULATION	Polyolefin UV resistant
METAL SHEATHING	Aluminium mylar tape with copper drain wire
MIN. INSTALLATION TEMP	5°C
MAX. OPERATING TEMP	70°C
MIN. BENDING RADIUS	6x cable diameter



## TECHNICAL DATA - Asphalt Applications

OPERATING VOLTAGE	220 - 240v: 50Hz
IP RATING	IPX7
CONNECTION	5m LONG "COLDTAIL" CONNECTION
CABLE THICKNESS	7mm
OUTPUT RATING	25w/m
INNER INSULATION	Advanced Fluoropolymer (ETFE)
OUTER INSULATION	Polyolefin High Temperature
METAL SHEATHING	Aluminium mylar tape with copper drain wire
MIN. INSTALLATION TEMP	5°C
MAX. OPERATING TEMP	70°C
INSTALLATION TEMP	240°C for a limited duration
MIN. BENDING RADIUS	6x cable diameter



## Features

- Provides a fixed heat output of 25W/m and can be laid at spacings as close as 80mm to provide a system with a capacity of 300W/m<sup>2</sup> that would typically provide protection down to -20°C
- Available for both concrete and asphalt applications
- FIMKO Approved and CE and UKCA marked meeting the highest safety standards for ultimate peace of mind
- 10 Warranty & SafetyNet Installation Guarantee

**SAFETYNet**  
Installation-Guarantee



# Technical Data

PRODUCT CODE	CONCRETE APPLICATION				HEATED AREA AT DIFFERENT SPACINGS, m <sup>2</sup>			
	POWER (W)	LOAD (A)	RESISTANCE (Ω)	RESISTANCE BANDS (Ω)	CABLE LENGTH (m)	80mm 300W/m <sup>2</sup>	100mm 250W/m <sup>2</sup>	120mm 200W/m <sup>2</sup>
W25SM250	250	1.1	212	201 - 233	10	0.8	1.0	1.2
W25SM500	500	2.2	106	101 - 117	20	1.6	2.0	2.4
W25SM750	750	3.3	71	67 - 78	30	2.4	3.0	3.6
W25SM1000	1000	4.4	53	50 - 58	40	3.2	4.0	4.8
W25SM1250	1250	5.4	42	40 - 46	50	4.0	5.0	6.0
W25SM1750	1750	7.6	30	28 - 33	70	5.6	7.0	8.4
W25SM2250	2250	9.8	24	23 - 26	90	7.2	9.0	10.8
W25SM2750	2750	12.0	19	18 - 21	110	8.8	11.0	13.2
W25SM3300	3300	14.4	16	15 - 17	132	10.6	13.2	15.8
W25SM4250	4250	18.5	12	11 - 13	170	13.6	17.0	20.4
W25SM4750	4750	20.7	11	10 - 12	190	15.2	19.0	22.8

PRODUCT CODE	ASPHALT APPLICATION				HEATED AREA AT DIFFERENT SPACINGS, m <sup>2</sup>			
	POWER (W)	LOAD (A)	RESISTANCE (Ω)	RESISTANCE BANDS (Ω)	CABLE LENGTH (m)	80mm 300W/m <sup>2</sup>	100mm 250W/m <sup>2</sup>	120mm 200W/m <sup>2</sup>
W25SMAP3300	3300	14.4	16	15 - 17	132	10.6	13.2	15.8
W25SMAP4750	4750	20.7	11	10 - 12	190	15.2	19.0	22.8

## WARMUP COMPONENTS

### Additional Components



ET02-4550 Controller  
Up to 48 Amps



ETR2-1550 Controller  
Up to 16 Amps



HCC-01 Controller  
Up to 48 Amps



ETF-744/99 Sensor  
External air sensor



ETOR-55 Sensor  
Gutter sensor



ETOG-55 Sensor  
Ground sensor