

ThermoTAR – ASPHALT SNOW MELTING CABLES / MATS *(for direct Asphalt application)*

ThermoTAR Snow Melting Cables (SMC-FE) and Snow Melting Mats (SMM-FE) are special cables with enhanced temperature withstand ability and mechanical strength. These can be used for asphalt drive-ways, pavements, roads, parking-bays, when hot asphalt is directly poured on the cable while laying.

Asphalt from the asphalt machine in general has a temperature of 170-240 °C. SMC-FE cables and SMM-FE mats are suitable for withstanding this temperature for up to 10 minutes. The cable is developed according to IEC 800 Class C, which means that the cable has deformation strength of 2000N.

Construction

The ThermoTAR range consists of a resistance element provided with primary fluoropolymer insulation, metal shielding and secondary insulation of high temperature material.

Heating cables could be single conductor with around 6.0mm outer diameter terminating on cold leads at two ends of the cable or it could be twin conductor with around 7.0mm outer diameter and terminating on cold leads at one end of the cable. Asphalt SMC comes with a 5.0 m length cold leads as a standard.

FEATURES	
Standards	test requirements of IEC 60800 class M2, CAN/CSA-C22.2 No. 130-03, ANSI/IEEE 515.1-515 (First Edition), UL 1673 (Second Edition).
Approvals	Certified by SGS Fimko as per IEC / EN 60800 Class - C, CSA & GOST Standard.
Cost-Effective	Provides heat where required, resulting in optimal heat utilization and minimal losses.
Safety	Thermostat backed by optional over current protection and GFCI should be installed to ensure total protection and safety.
Range	A wide range of various sizes in various lengths ensure suitability to various layouts.
Application	ThermoTAR is used for ice and snow melting of outdoor area and other applications with embedding in asphalt.

CATALOG REFERENCE	Width (M)	Length (M)	Area (Sq.M)	Watts (W)
Snow Melting Mat, Twin Conductor Rating: 350W/Sq.M at 230VAC				
SMMT-FE- 350W/850	0.4	6	2.4	850
SMMT-FE- 350W/1100	0.4	8	3.2	1100
SMMT-FE- 350W/1400	0.4	10	4.0	1400
SMMT-FE- 350W/1700	0.4	12	4.8	1700
SMMT-FE- 350W/2000	0.4	14	5.6	2000
SMMT-FE- 350W/2250	0.4	16	6.4	2250
SMMT-FE- 350W/2500	0.4	18	7.2	2500
SMMT-FE- 350W/2800	0.4	20	8.0	2800
SMMT-FE- 350W/3100	0.4	22	8.8	3100
SMMT-FE- 350W/3350	0.4	24	9.6	3350
SMMT-FE- 350W/2800	0.8	10	8.0	2800
SMMT-FE- 350W/3350	0.8	12	9.6	3350

CATALOG REFERENCE	Width (M)	Length (M)	Area (Sq.M)	Watts (W)
Snow Melting Mat, Single Conductor Rating: 350W/Sq.M at 230VAC				
SMMS-FE- 350W/850	0.4	6	2.4	850
SMMS-FE- 350W/1100	0.4	8	3.2	1100
SMMS-FE- 350W/1400	0.4	10	4.0	1400
SMMS-FE- 350W/1700	0.4	12	4.8	1700
SMMS-FE- 350W/2000	0.4	14	5.6	2000
SMMS-FE- 350W/2250	0.4	16	6.4	2250

SMMS-FE- 350W/2500	0.4	18	7.2	2500
SMMS-FE- 350W/2800	0.4	20	8.0	2800
SMMS-FE- 350W/3100	0.4	22	8.8	3100
SMMS-FE- 350W/3350	0.4	24	9.6	3350
SMMS-FE- 350W/2800	0.8	10	8.0	2800
SMMS-FE- 350W/3350	0.8	12	9.6	3350