



**THERMOTEX**

## SM2-CR

Snow Melting & De-Icing  
Heating Cable

**SM2-CR** is specifically designed for direct burial in concrete to melt out snow piled up on street.

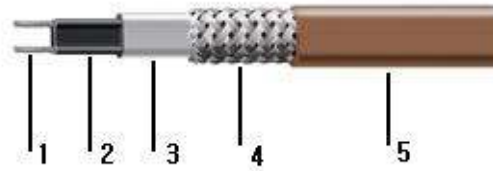
Unlike ordinary metal resistance wire which produces heat output corresponding to its length, the core of **SM2-CR** is composed of the infinite parallel connection of carbon particles. The parallel circuitry allows the cable to be cut to the exact length required, with no wasted cable.

**SM2-CR** consists of a continuous core of conductive polymer extruded between two copper bus wires.

**SM2-CR** regulates its own heat output in response to ambient temperatures as electrical current flows through the core. The self-regulating function of the core is due to its PTC (Positive Temperature Coefficient) property by which the electrical consumption of **SM2-CR** is reduced in the application.

### Product construction

1. Copper bus wire
2. Self-regulating conductive core
3. Modified polyolefin jacket
4. Tinned-copper braid
5. Modified polyolefin outer jacket



### Product characteristics and design information

Copper bus wire	14 AWG	
Max. power output	80-90 W/M	277 VAC at 0°C in concrete
Cable spacing	25cm	4M/square meter
Max. maintenance temperature	90°C	
Max. intermittent exposure temperature	100°C	T-rating : T5
Max. circuit length	80 meters	Max. 50 A -10°C
Service voltage	208 ~ 277 VAC	

---

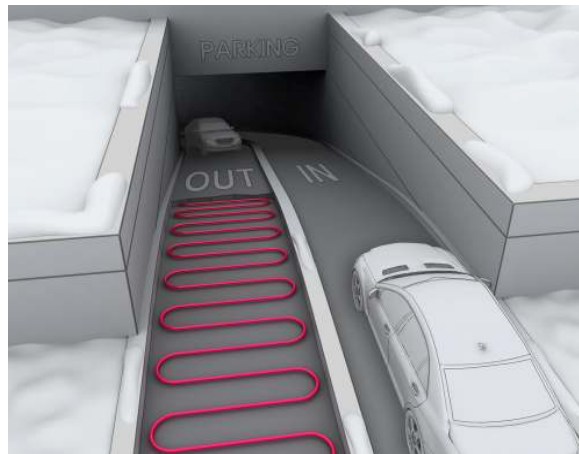
Certificate



File No. : E203401



De-Icing and  
Snow Melting  
Equipment



---

Thermotex Engineering Ltd  
1A Broom Business Park  
Broombank Road, Bridge Way  
Chesterfield, Derbyshire S41 9QG  
**Tel: 01246 453769**  
Fax: 01246 454988  
[www.thermotex.co.uk](http://www.thermotex.co.uk)  
E-mail: [info@thermotex.co.uk](mailto:info@thermotex.co.uk)

