

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

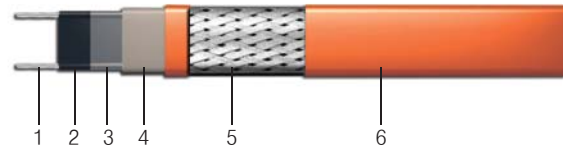
Unlike ordinary metal resistance wire which produces heat output corresponding to its length, the core of **SM2-CR** is composed of the infinite parallel connection of carbon particles. The parallel circuitry allows the cable to be cut to the exact length required, with no wasted cable.

**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.

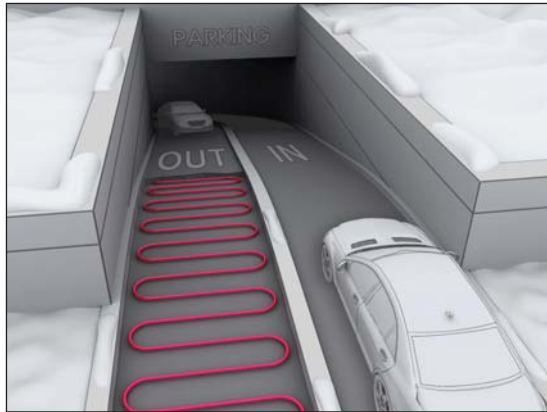
**Product construction**

1. Copper bus wire
2. Self-regulating conductive core
3. Inner adhesive jacket
4. Modified polyolefin jacket
5. Tinned-copper braid
6. Modified polyolefin outer jacket (-CR)



**Product characteristics and design information**

Copper bus wire	14 AWG	
Max. power output	80 W/M	at 0°C in concrete
Cable spacing	25 cm	4M/square meter
Max. maintenance temperature	90°C	
Min. installation temperature	-10°C	
Service voltage	200 – 254 VAC	



**Max. length (m) vs. Circuit breaker size**

	Start-up temperature	20A	30A	40A	50A
SM2 - CR 220V	10°C	35	50	65	80
	0°C	33	47	61	75
	-10°C	31	43	56	70

**Certificate**



Related Standards :  
IEC 1423-1  
IEC 1423-2



**FINE KOREA CO.**