

# SRM

Self-Regulating Heating Cable  
Temperature Maintenance for Pipework

**FINE SRM Series** shows an excellent capability to maintain the temperature of pipes and plumbs in both chemical plant a fodder plant, working on PTC (Positive Temperature Co-efficient) principle.

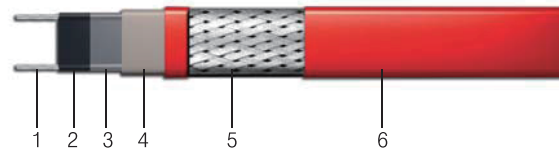
PTC is characterized by the power output of heating cable adjusted to compensate for variations in ambient temperature. It produces more heat if the temperature drops and less heat if the temperature rises.

Utilizing the PTC characteristic, **SRM Series** regulates its own output depending on the exposure temperature, thereby, reducing the risk of fire due to overheating.

The heat generator and insulating jacket of **SRM Series** are treated by irradiation crosslinking reaction, providing an excellent stability even under elevated temperature. Also **SRM Series** is configured for use in hazardous as well as nonhazardous locations because the heating cable is braided with tinned copper wires which can be connected into the ground.

## Product construction

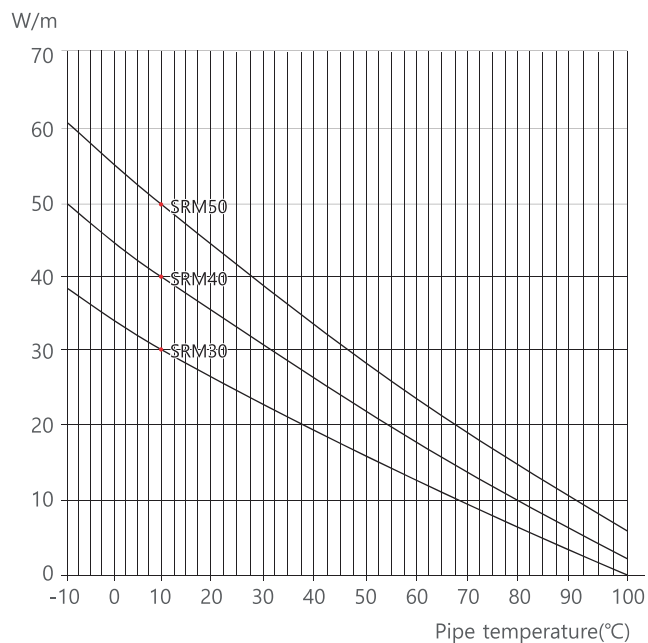
1. Copper bus wire (15AWG)
2. Self-regulating conductive core
3. Inner adhesive jacket
4. Modified polyolefin jacket
5. Tinned-copper braid
6. Modified polyolefin outer jacket (-CR)  
Fluoropolymer outer jacket (-CT)



## Product characteristics and design information

Nominal power output	30, 40, 50 W/M	at 10°C
Max. maintenance temperature	90°C	
Max. intermittent exposure temperature	100°C	T-rating : T5
Service voltage	SRM1	100 – 130 Vac
	SRM2	200 – 254 Vac

## Power output graph



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

	Start-up temperature	110V				220V			
		15A	20A	30A	40A	15A	20A	30A	40A
SRM30-CR/CT	10°C	40	50	60	–	80	95	120	–
	0°C	35	45	50	60	70	85	100	120
	-20°C	30	35	45	55	55	70	90	110
	-40°C	25	30	40	50	45	60	80	100
SRM40-CR/CT	10°C	33	38	48	–	65	75	95	–
	0°C	30	35	43	48	60	70	85	95
	-20°C	28	33	40	45	55	65	80	90
	-40°C	25	30	38	43	50	60	75	85
SRM50-CR/CT	10°C	23	28	35	40	45	55	70	80
	0°C	20	25	33	40	40	50	65	80
	-20°C	18	23	30	38	35	45	60	75
	-40°C	15	20	28	35	30	40	55	70

## Certificste

