



# MSR

HIGH PERFORMANCE  
SELF-REGULATING HEATING CABLE



## INTRODUCTION

MSR self-regulating heating cables provide the most versatility in heat trace designs and applications. Constructed of a semi-conductive heater matrix extruded between parallel bus wires, a self-regulating cable adjusts its output to independently respond to ambient temperatures all along its length. As temperature increases, the heater's resistance increases, which lowers the output wattage. Conversely, as the temperature decreases, the resistance decreases and the cable produces more heat. So thermostat is not necessary in some applications. It will never overheat or burnout even when overlapped. The cable can also be cut to any length. As the result, we got an energy efficient heating cable.

## TECHNICAL DATA

Power output ————— 10, 15, 25, 30 (W/m)  
Maximum maintain temperature — 65°C  
Maximum exposure temperature — 85°C  
Minimum installation temperature — -60°C  
Rated voltage ————— 110V-120V / 220V-240V

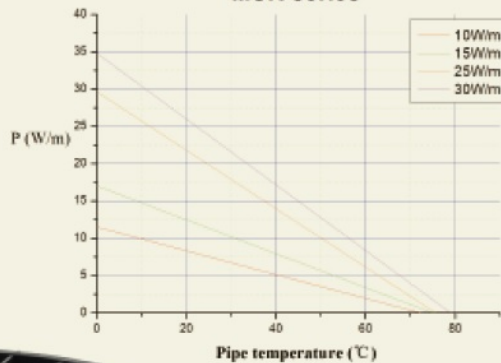
## MSR SERIES

MSR-P ————— Tinned copper metal braid  
MSR-PB ————— Thermoplastic outer jacket  
MSR-PF ————— Fluoropolymer outer jacket  
Max resistance of braid ————— ≤18.2Ω/km  
Bus wire gauge ————— 20AWG

Certifications:



## MSR series



# MSR

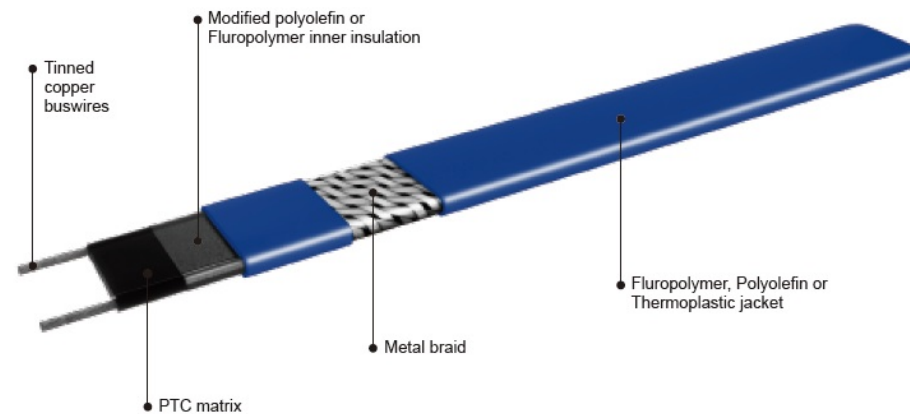
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## APPLICATION

MSR is ideally used for process temperature maintenance and frost protection of small diameter pipelines, tanks, valves, flanges. It is suitable for non-hazardous area, and cable with fluoropolymer outer jacket can also be used in hazardous area and corrosive area. What's more, the MSR with fluoropolymer out jacket can be used inside the water pipe heating. The material has safety certificate for drinking water. It's safe and made to comply with the environmental protection standards.

## MSR STRUCTURE



## TECHNICAL SUMMARY

MSR Series	Output power @+10°C (W/m)	Maximum maintain temperature (°C)	Max length @+10°C 16/25A (m)	Max length @+0°C 16/25A (m)	Max length @-20°C 16/25A (m)	Dimension (mm)	Weight (kg/100m)
10MSR-PB	10	65	60/80	54/70	40/60	8.3×5.4	6.6
10MSR-PF	10	65	60/80	54/70	40/60	8.0×5.1	6.0
15MSR-PB	15	65	57/86	51/68	38/55	8.3×5.4	6.6
15MSR-PF	15	65	57/86	51/68	38/55	8.0×5.1	6.0
25MSR-PB	25	65	46/55	38/50	33/49	8.3×5.4	6.6
25MSR-PF	25	65	46/55	38/50	33/49	8.0×5.1	6.0
30MSR-PB	30	65	37/45	35/43	30/39	8.3×5.4	6.6
30MSR-PF	30	65	37/45	35/43	30/39	8.0×5.1	6.0

Cable dimensions are for reference only!