



# RSR

HIGH PERFORMANCE  
SELF-REGULATING HEATING CABLE



## INTRODUCTION

RSR 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 get an energy efficient heating cable.

## TECHNICAL DATA

Power output — 10, 17, 25, 31, 40 (W/m)  
Maximum maintain temperature — 65°C  
Maximum exposure temperature — 85°C  
Minimum installation temperature — -60°C  
Rated voltage — 110V-120V / 220V-240V

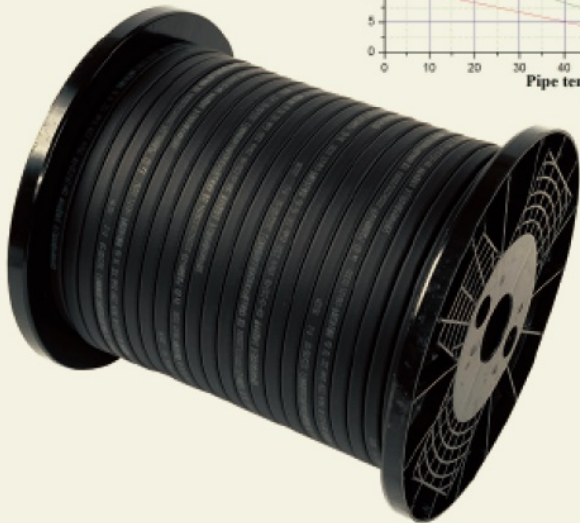
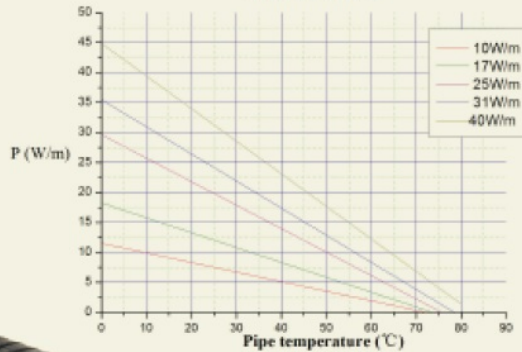
## RSR SERIES

RSR-P — Tinned copper metal braid  
RSR-PB — Thermoplastic outer jacket  
RSR-PF — Fluoropolymer outer jacket  
Max resistance of braid —  $\leq 18.2\Omega/\text{km}$   
Bus wire gauge — 16AWG

Certifications:



## RSR series



# RSR

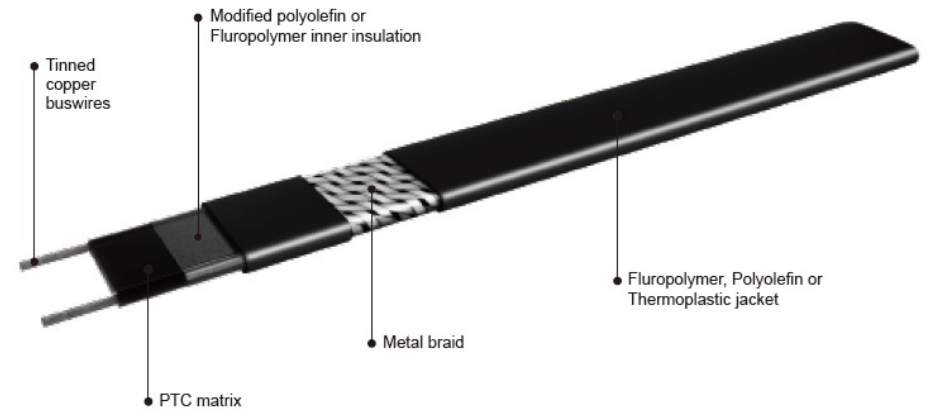
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## APPLICATION

RSR is ideally used for process temperature maintenance and frost protection of regular diameter pipelines, tanks, valves, flanges, roof & gutter de-icing and other application where low temperature is needed. It is suitable for non-hazardous area, and cable with fluoropolymer outer jacket can also be used in hazardous area and corrosive area.

## RSR STRUCTURE



## TECHNICAL SUMMARY

SSR Series	Output power @+10°C (W/m)	Maximum maintain temperature (°C)	Max length @+10°C 16/30A (m)	Max length @+0°C 16/30A (m)	Max length @-20°C 16/30A (m)	Dimension (mm)	Weight (kg/100m)
10RSR-PB	10	65	150/220	120/180	90/140	13.3×6.0	12.9
10RSR-PF	10	65	150/220	120/180	90/140	12.7×5.6	11.5
17RSR-PB	17	65	120/170	90/130	70/100	13.3×6.0	12.9
17RSR-PF	17	65	120/170	90/130	70/100	12.7×5.6	12.4
25RSR-PB	25	65	100/140	75/105	60/85	13.3×6.0	12.9
25RSR-PF	25	65	100/140	75/105	60/85	12.7×5.6	12.4
31RSR-PB	31	65	85/120	65/95	55/75	13.3×6.0	12.9
31RSR-PF	31	65	85/120	65/95	55/75	12.7×5.6	12.4
40RSR-PB	40	65	70/95	60/80	50/70	13.3×6.0	12.9
40RSR-PF	40	65	70/95	60/80	50/70	12.7×5.6	12.4

Cable dimensions are for reference only!