



PSR

HIGH PERFORMANCE
SELF-REGULATING HEATING CABLE



INTRODUCTION

PSR 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. With optional outer jackets, the heating cable is resistant to watery and inorganic chemicals and protect against abrasion and impact damage.

TECHNICAL DATA

Power output ————— 30, 45, 60 (W/m)
Maximum maintain temperature — 85°C
Maximum exposure temperature — 135°C
Minimum installation temperature — -60°C
Rated voltage ————— 110V-120V / 220V-240V

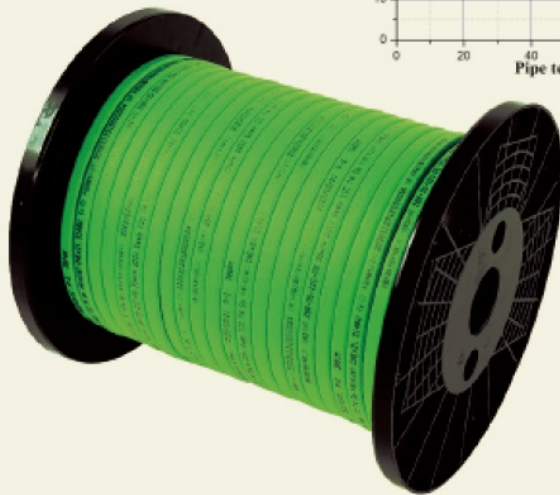
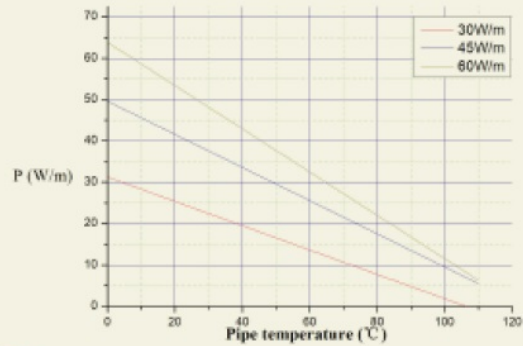
PSR SERIES

PSR-P ————— Tinned copper metal braid
PSR-PB ————— Thermoplastic outer jacket
PSR-PF ————— Fluoropolymer outer jacket
Max resistance of braid — ≤18.2Ω/km
Bus wire gauge ————— 16AWG

Certifications:



PSR series



PSR

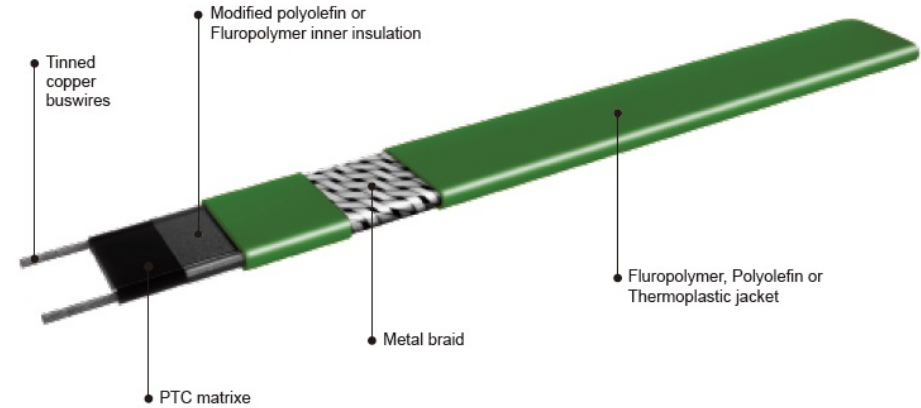
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APPLICATION

PSR is designed for pipe heat trace in industrial applications. It is ideally used for process temperature maintenance and frost protection of large diameter pipelines, tanks, valves, flanges and other application where high heat loss happen. It is suitable for non-hazardous area, and cable with fluoropolymer outer jacket can also be used in hazardous area and corrosive area.

PSR STRUCTURE



TECHNICAL SUMMARY

PSR Series	Output power @+10°C (W/m)	Maximum maintain emperature (°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)
30PSR-PB	30	85	102/122	90/110	85/95	12.8×5.6	10.8
30PSR-PF	30	85	102/122	90/110	85/95	12.5×5.3	10.2
45PSR-PB	45	85	87/107	70/90	62/80	12.8×5.6	10.8
45PSR-PF	45	85	87/107	70/90	62/80	12.5×5.3	10.2
60PSR-PB	60	85	70/95	55/75	47/67	12.8×5.6	10.8
60PSR-PF	60	85	70/95	55/75	47/67	12.5×5.3	10.2

Cable dimensions are for reference only!