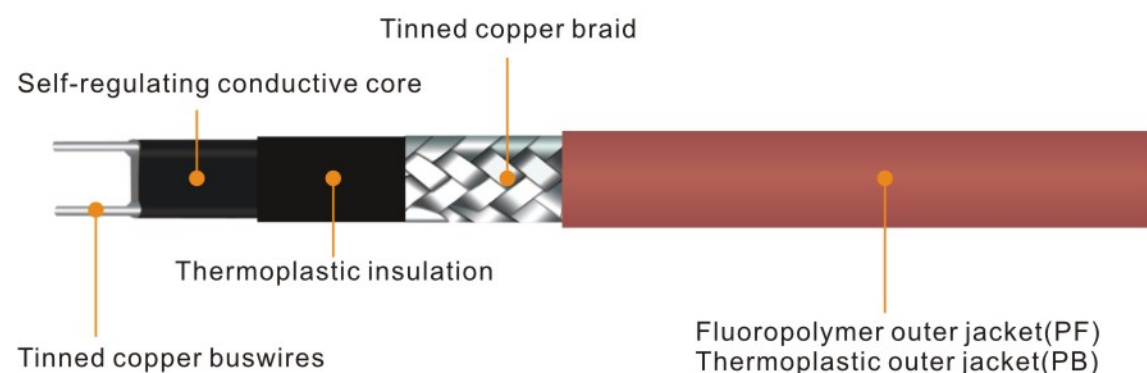


## Cable Construction




## Introduction

PSR Self Regulating Heating Cables provide the most versatility in heat trace designs and applications. Constructed of a semiconductive 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 increasing, the heater's resistance increases, which lower the output wattage. Conversely, as the temperature decreasing, the resistance decreases and the cable produces more heat. So it is no need thermostat in some applications. It will never overheat or burnout even when wrapped by itself (overlapped). It can also be cut to any length. The result — an energy efficient heating cable. With optional outer jackets, the heating cable is resistant to watery and inorganic chemicals and protects against abrasion and impacts damage.

## Technical data

Output Wattage:	30,45,60(W/m)
Maximum maintain temperature:	85°C
Maximum exposure temperature:	150°C
Minimum installation temperature:	-40°C
Work voltage:	110V-120V / 220-240V

### PSR Series:

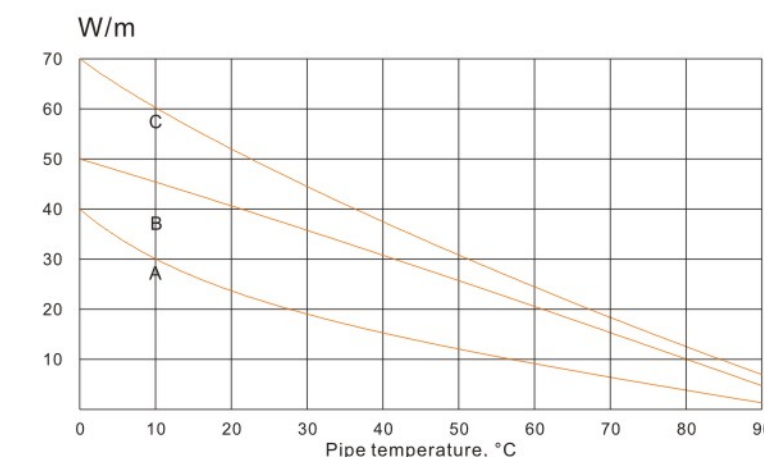
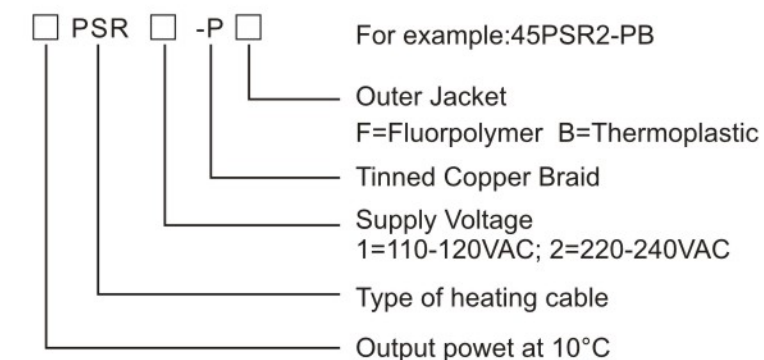
PSR-P:	Tinned copper metal braid
PSR-PB:	Thermoplastic outer jacket
PSR-PF:	Fluoropolymer outer jacket
Max resistance of braid	≤ 18.2Ω/km
Bus wire gauge	16AWG
Approvals:	CE 

## 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 applications where high heat loss happen. It is suitable for non-hazardous area, also hazardous area and corrosive area can use products with fluoropolymer outer jacket.

## Power Output

Nominal	A	30PSR
output at 230 VAC	B	45PSR
@+10°C	C	60PSR



## Technical Summary

Part Number	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)
30PSR-PB	30	85	102/122	90/110	85/115	12.8×5.6	10.8
30PSR-PF	30	85	102/122	90/110	85/115	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