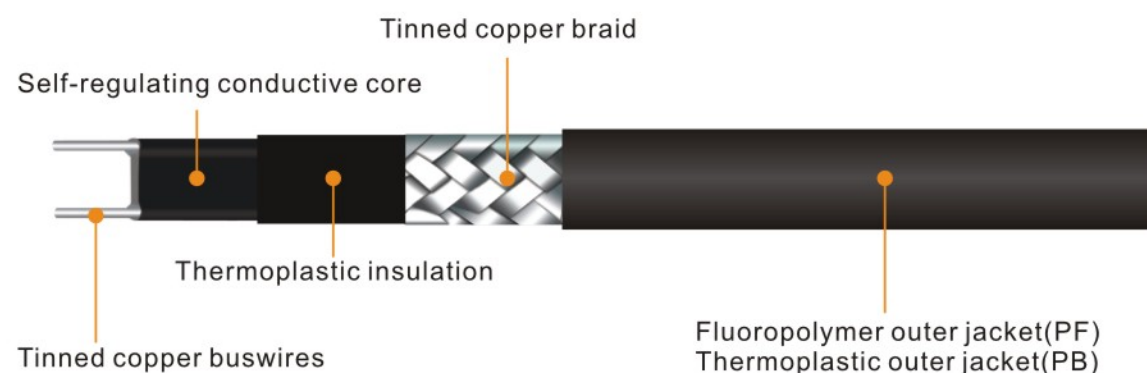


## Cable Construction



## Introduction

RSR 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 temperature 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 does not 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.

## Technical data

Output Wattage:	10, 17, 25, 31, 40(W/m)
Maximum maintain temperature:	65°C
Maximum exposure temperature:	85°C
Minimum installation temperature:	-40°C
Work voltage:	110V-120V / 220-240V

### RSR Series:

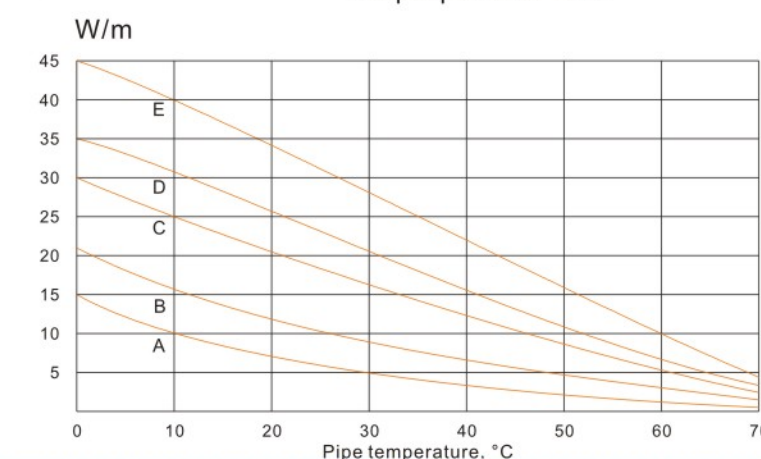
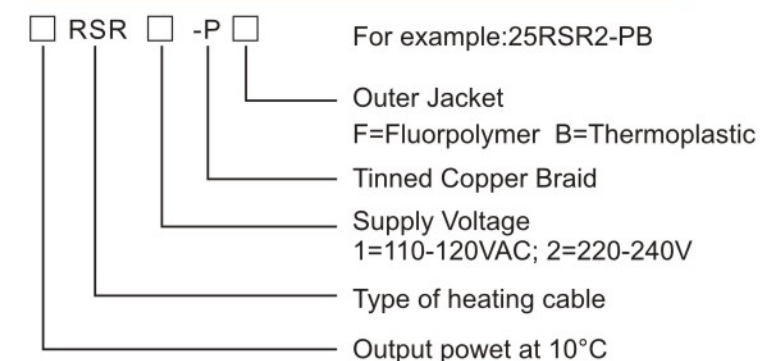
RSR-P:	Tinned copper metal braid
RSR-PB:	Thermoplastic outer jacket
RSR-PF:	Fluoropolymer outer jacket
Max resistance of braid	≤18.2Ω/km
Bus wire gauge	16AWG
Approvals:	CE PC

## Application

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

## Power Output

Nominal	A	10RSR
output at 230 VAC	B	17RSR
@+10°C	C	25RSR
	D	31RSR
	E	40RSR



## 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)
10RSR-PB	10	65	150/220	120/180	90/140	13.3X6.0	12.9
10RSR-PF	10	65	150/220	120/180	90/140	12.7×5.6	12.4
17RSR-PB	17	65	120/170	90/130	70/100	13.3X6.0	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	13.3X6.0	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	13.3X6.0	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	13.3X6.0	12.9
40RSR-PF	40	65	70/95	60/80	50/70	12.7×5.6	12.4