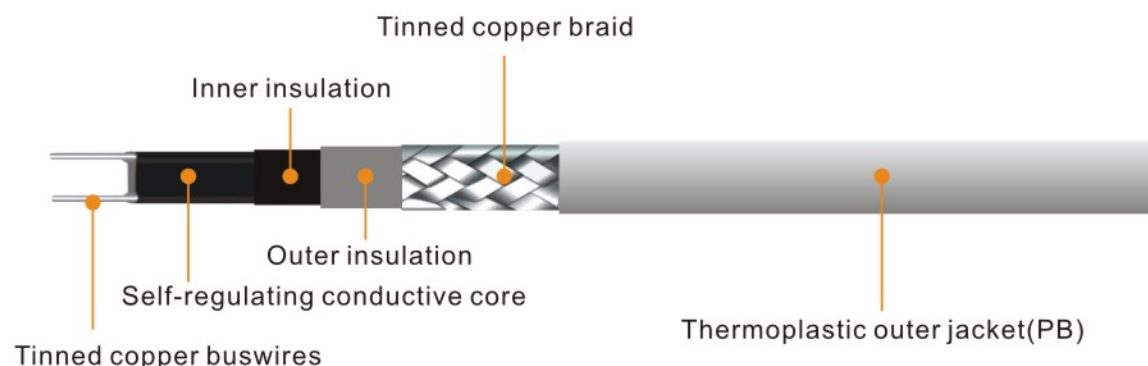


Cable Construction



Introduction

LSR 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.

LSR self regulating heating cable is resistant to watery and inorganic chemicals and protect against abrasion and impact damage.

Technical data

Output Wattage:	10, 16, 24,30,40(W/m)
Maximum maintain temperature:	65°C
Maximum exposure temperature:	85°C
Minimum installation temperature:	-40°C
Work voltage:	110V-120V / 220-240V

LSR Series:

LSR: Flame retardant thermoplastic outer insulation jacket protect against certain inorganic chemical solutions, it also protect against abrasion and impact damage.

LSR-PB: Flame retardant thermoplastic outer jacket protect against certain inorganic chemical solutions, it also protect against abrasion and impact damage.

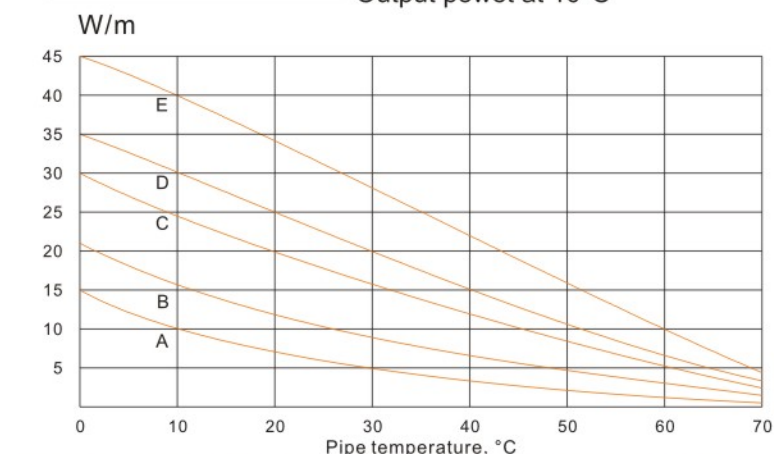
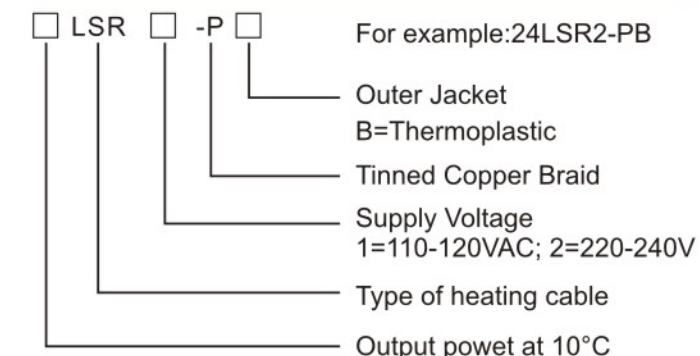
Max resistance of braid	≤18.2Ω/km
Bus wire gauge	16AWG
Approvals:	CE PC

Application

LSR is ideally used for process temperature maintenance and frost protection of regular diameter pipelines, tanks, valves, flanges, roof & gutter de-icing, snow melting 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. UV stabilized thermoplastic outer jacket is provided to cover the braid for wet applications and exposure to the sun.

Power Output

Nominal	A	10LSR
output at 230 VAC	B	16LSR
@+10°C	C	24LSR
	D	30LSR
	E	40LSR



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)
10LSR	10	65	163/203	143/183	113/183	10.7×4.5	7.25
10LSR-PB	10	65	163/203	143/183	113/183	12.8×5.8	11.5
16LSR	16	65	110/151	100/124	86/98	10.7×4.5	7.25
16LSR-PB	16	65	110/151	100/124	86/98	12.8×5.8	11.5
24LSR	24	65	89/118	75/94	63/80	10.7×4.5	7.25
24LSR-PB	24	65	89/118	75/94	63/80	12.8×5.8	11.5
30LSR	30	65	71/98	60/77	52/65	10.7×4.5	7.25
30LSR-PB	30	65	71/98	60/77	52/65	12.8×5.8	11.5
40LSR	40	65	62/72	52/60	45/53	10.7×4.5	7.25
40LSR-PB	40	65	62/72	52/60	45/53	12.8×5.8	11.5