LSR

HIGH PERFORMANCE
SELF-REGULATING HEATING CABLE

INTRODUCTION

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

TECHNICAL DATA

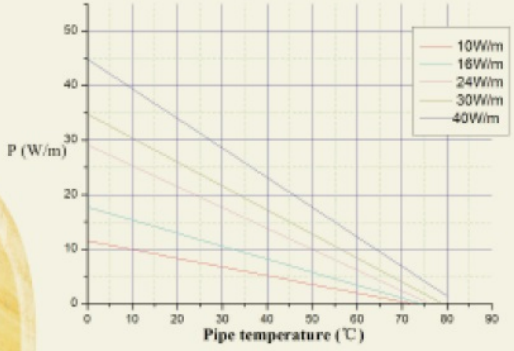
Power output——10, 16, 24, 30, 40 (W/m)
Maximum maintain temperature—65°C
Maximum exposure temperature—85°C
Minimum installation temperature -60°C
Rated voltage——110V-120V / 220V-240V

Certifications:

LSR SERIES

LSR:Flame retardant thermoplastic outer insulation jacket protects against certain inorganic chemical solutions, it also protects against abrasion and impact damage.
LSR-PB:Flame retardant thermoplastic outer jacket protects against certain inorganic chemical solutions, it also protects against abrasion and impact damage.
LSR-PF:Fluoropolymer outer jacket is used for exposure to organic or corrosive solution or vapour maybe present.
Max resistance of braid——≤18.2Ω/km
Bus wire gauge——16AWG/18AWG

LSR series



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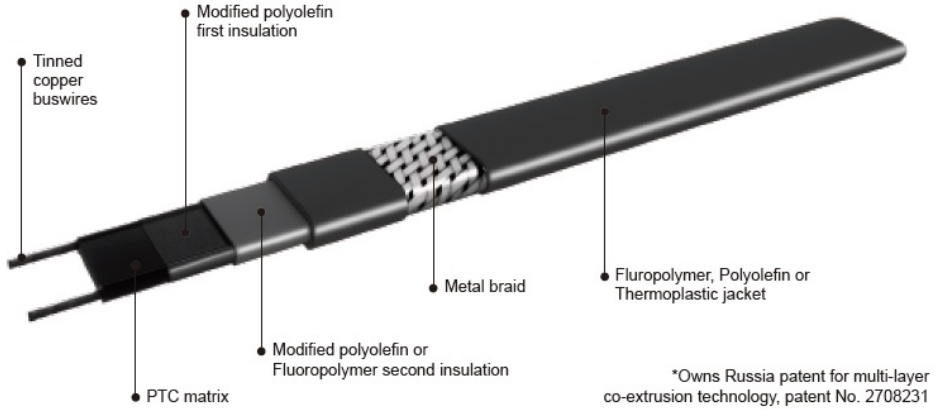
APPLICATION

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 application where low temperature is needed. It is suitable for hazardous area, and cable with fluoropolymer outer jacket can also be used in hazardous area and corrosive area. The cable with UV stabilized thermoplastic outer jacket is provided to cover the braid for wet applications and exposure to the sun.

LSR STRUCTURE



*Owns Russia patent for multi-layer co-extrusion technology, patent No. 2708231

TECHNICAL SUMMARY

LSR 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)
10LSR	10	65	163/203	143/183	113/183	0.7×4.5	7.25
10LSR-PB / 10LSR-PF	10	65	163/203	143/183	113/183	12.8×5.8	11.5
16LSR	16	65	110/151	100/124	86/98	0.7×4.5	7.25
16LSR-PB / 16LSR-PF	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 / 24LSR-PF	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 / 30LSR-PF	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 / 40LSR-PF	40	65	62/72	52/60	45/53	12.8×5.8	11.5

Cable dimensions are for reference only!