



SSR

HIGH PERFORMANCE
SELF-REGULATING HEATING CABLE



INTRODUCTION

SSR 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.

TECHNICAL DATA

Power output ————— 35, 45, 60 (W/m)
Maximum maintain temperature — 110°C
Maximum exposure temperature — 135°C
Minimum installation temperature — -60°C
Rated voltage ————— 110V-120V / 220V-240V

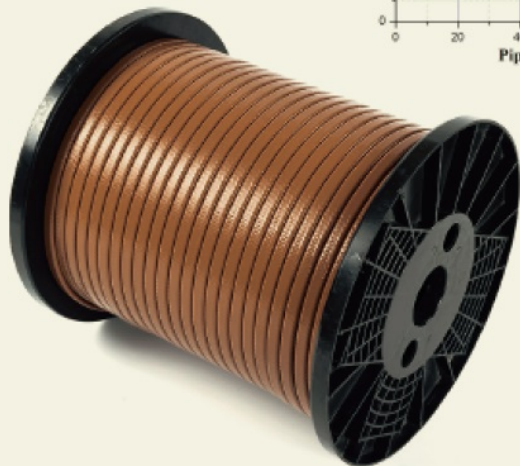
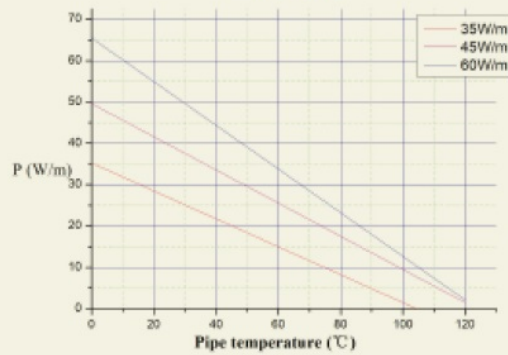
SSR SERIES

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

Certifications:



SSR series



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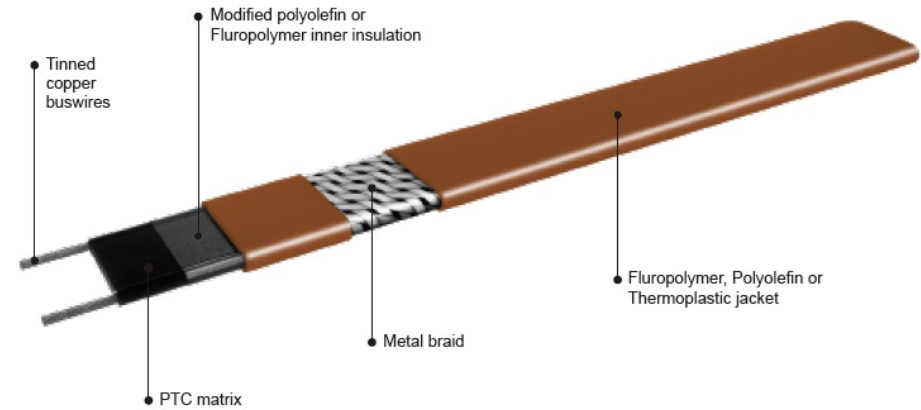
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APPLICATION

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

SSR STRUCTURE



TECHNICAL SUMMARY

SSR 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)
35SSR-PF/35SSR-PB	35	110	75/100	65/90	45/60	13.3X6.1	12.5
45SSR-PF/45SSR-PB	45	110	60/85	50/75	35/50	13.3X6.1	12.5
60SSR-PF/60SSR-PB	60	110	50/70	40/60	30/45	13.3X6.1	12.5

Cable dimensions are for reference only!