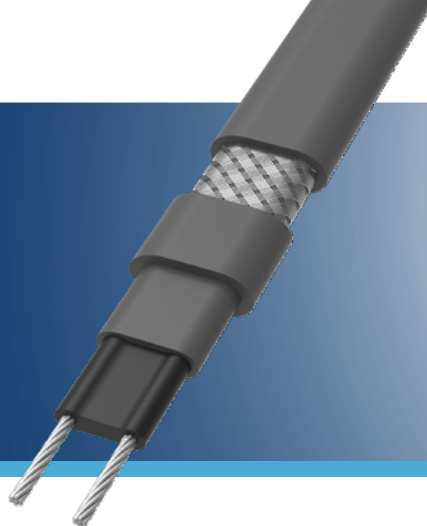


# SSR

Self-regulating heating cable  
Freeze protection of fire sprinkler  
industry

**SOLCO.**  
Advanced Trace Heating Solutions



## Use

Freeze protection of water supply lines for the fire sprinkler industry

## Specifications

Max. maintain temperature (Power-ON) 50°C (122° F)  
Max. withstand temperature (Power-OFF) 85°C (185°F)  
Rated voltage : 230 Vac  
Rated power output : 10, 16 Watts/m @10°C  
Dimension 11.0mm X 4.6mm  
Minimun bending Radius : 20mm  
Parallel Conductors : ASTM B355 Class 2 NPC (1.5mm<sup>2</sup>)  
Flame retardant outer jacket

## Features

It will not overheat or burn out or damage any sprinkler system part / component, even when overlapped  
It self-regulates thermal performance in response to temperature  
It can be cut to any length to suit any installation condition  
Independent heat output control along the length  
Smooth transition switching power ON and OFF, minimising stress in the heating cable core, leading to improved energy efficiency and extending service life  
Easy termination for power connection, end seal and splicing

## Selection Code

SSR    10    2    -    C    P  
(a)    (b)    (c)                      (d)

|     |                                    |
|-----|------------------------------------|
| (a) | Model                              |
| (b) | Rated Output 10, 16 Watts/m @10° C |
| (c) | Rated Voltage 2 : 230Vac           |
| (d) | Outer Jacket P : FR Polyolefin     |

## Certification



[www.solcopyroelec.co.uk](http://www.solcopyroelec.co.uk)

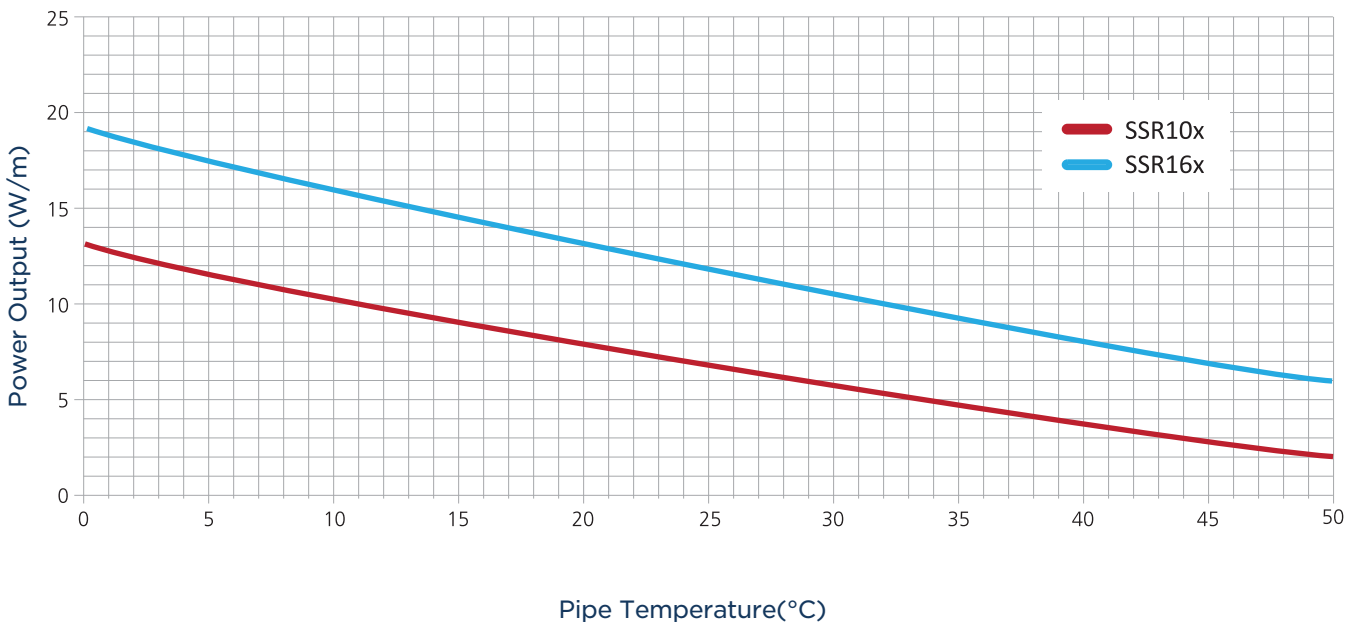
Product Drawing



- Parallel Conductors
- Polymeric Heating Element
- Primary Insulation
- Earthing
- Outer Jacket
- Nickel Plated Copper Wire
- Polyolefin + C/B
- FR Polyolefin
- Braided Tinned Copper Wire
- FR Polyolefin

Power Output Graph

Nominal power output on metal pipe



Circuit Breaker Selection

Max. circuit length(m) at 230Vac based on starting temp. (°C) and typical Type C circuit breaker size (Amps).

| Product code \ Breaker Size(A) | Start-up Temp. 0°C |     |     |     |     |     | Start-up Temp. 10°C |     |     |     |     |     |
|--------------------------------|--------------------|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|
|                                | 10A                | 16A | 20A | 25A | 31A | 40A | 10A                 | 16A | 20A | 25A | 32A | 40A |
| SSR102-CP                      | 92                 | 148 | 158 | 158 | 158 | 158 | 111                 | 173 | 173 | 173 | 173 | 173 |
| SSR162-CP                      | 56                 | 90  | 112 | 130 | 130 | 130 | 74                  | 118 | 141 | 141 | 141 | 141 |