



SRF Series

Self-Regulating Heating Cable
Freeze Protection for Pipework



Ordinary locations
Hazardous Locations
Class I, Div. 2, Group A, B, C, D

IIG EEx e II T6-T5
Ex e II T4 Gb
Ex e II T3 Gb

Ex e IIC T6 Gb

Ex e II T6

Key Features

- Suitable for protection of plumbing and pipes from freezing (on-pipe application)
- Low power consumption by adjusting heat output automatically based on surface temperature due to the self-regulating conductive polymer core
- Post-treated under elevated temperature in annealing process to give its stability in long-term operation without losing heat output
- Durable, flexible, and excellent heat resistant
- Cut to length installation
- Approved for use in ordinary (non-classified) or hazardous (classified) locations

Ordering Information

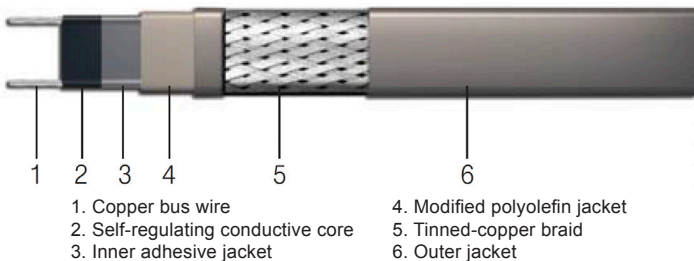
SRF 10 - 1 CR
① ② ③

| | | |
|-------------------------------|----|---------------------|
| ① Nominal Power Output | 10 | 10 W/m (3 W/ft) |
| | 16 | 16 W/m (5 W/ft) |
| | 24 | 24 W/m (7.5 W/ft) |
| | 30 | 30 W/m (9 W/ft) |
| ② Voltage | 1 | 100 - 130V AC |
| | 2 | 200 - 254V AC |
| ③ Material of Outer Jacket | CR | Modified Polyolefin |
| | CT | Fluoropolymer |

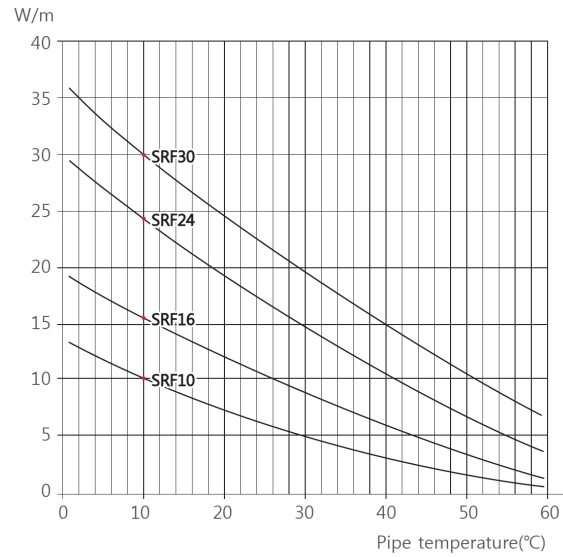
Specifications

| | | |
|-------------------------------------|----------------------------------------------------------------------------|---------------|
| Nominal Power Output at 10°C (50°F) | 10 W/m (3 W/ft) 16 W/m (5 W/ft) 24 W/m (7.5 W/ft) 30 W/m (9 W/ft) | |
| Bus Wires | 16 AWG | |
| Continuous Maintenance Temperature | Max. 65°C (150°F) | |
| Intermittent Exposure Temperature | Max. 85°C (185°F) | |
| T-rating | T6 | |
| Supply Voltage | SRF-1 | 100 - 130V AC |
| | SRF-2 | 200 - 254V AC |

Product Construction



Power Output Graph



Max. Length vs. Circuit Breaker Size

[Unit: m]

| | Start-up temp. | 110V | | | | 220V | | | |
|-------------|----------------|------|-----|-----|-----|------|-----|-----|-----|
| | | 20A | 30A | 40A | 50A | 20A | 30A | 40A | 50A |
| SRF10-CR/CT | 10°C | 105 | - | - | - | 205 | - | - | - |
| | 0°C | 90 | 105 | - | - | 175 | 205 | - | - |
| | -20°C | 65 | 90 | 105 | - | 125 | 180 | 205 | - |
| | -40°C | 50 | 65 | 85 | - | 95 | 130 | 170 | - |
| SRF16-CR/CT | 10°C | 70 | 80 | - | - | 130 | 155 | - | - |
| | 0°C | 60 | 70 | 80 | - | 110 | 140 | 155 | - |
| | -20°C | 50 | 60 | 70 | 80 | 90 | 120 | 140 | 155 |
| | -40°C | 40 | 45 | 65 | 75 | 70 | 90 | 135 | 150 |
| SRF24-CR/CT | 10°C | 60 | 70 | 75 | - | 110 | 135 | 150 | - |
| | 0°C | 50 | 60 | 70 | 75 | 90 | 120 | 135 | 150 |
| | -20°C | 35 | 45 | 60 | 70 | 65 | 90 | 120 | 135 |
| | -40°C | 30 | 40 | 50 | 60 | 55 | 75 | 100 | 115 |
| SRF30-CR/CT | 10°C | 40 | 50 | 60 | - | 80 | 95 | 120 | - |
| | 0°C | 35 | 45 | 50 | 60 | 70 | 85 | 100 | 120 |
| | -20°C | 30 | 35 | 45 | 55 | 55 | 70 | 90 | 110 |
| | -40°C | 25 | 30 | 40 | 50 | 45 | 60 | 80 | 100 |

