

# Series resistance Heating Cable SNF



SNF is a flexible heating cable with a fixed specific resistance and is specifically designed for use in areas where high operating temperatures and high output power is required. By using fluoropolymer for external insulation, the heating cable is particularly suitable for use in chemically aggressive and corrosive environments. The special

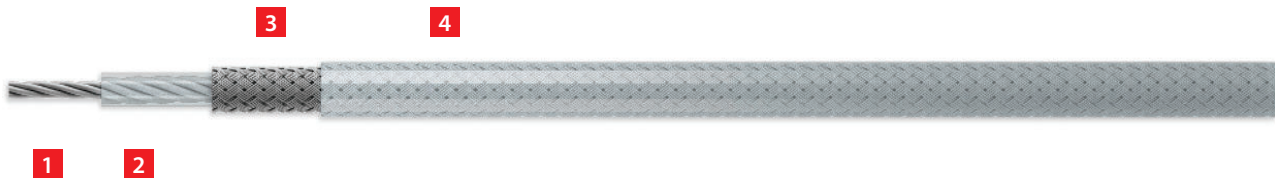
design of the SNF heating cable ensures high mechanical strength. Installation of the heating cables on site is quick and easy. Thanks to its small outside dimensions it can be easily attached to irregular objects such as pumps, valves and flanges.

## Features

- Temperature resistant up to 260 °C
- High mechanical resistance (7J impact resistance)
- Ex-approved solution
- Steam cleaning resistant, high chemical resistance

## Application Areas

- Temperature maintenance or freeze protection in non-hazardous and ex-hazardous areas



## Construction

1. Resistive heating conductor
2. Fluoropolymer insulation
3. Nickel-plated copper braid
4. Fluoropolymer outer jacket

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## Types

| Name     | Nominal resistance (Ohm/km) at +20°C | Outer diameter, mm | Order code |
|----------|--------------------------------------|--------------------|------------|
| SNF 01R8 | 1.8                                  | 7.80               | 3202001701 |
| SNF 02R9 | 2.9                                  | 6.74               | 3202001702 |
| SNF 04R4 | 4.4                                  | 5.88               | 3202001703 |
| SNF 07R1 | 7.1                                  | 5.10               | 3202001704 |
| SNF 09R7 | 9.7                                  | 5.25               | 3202001705 |
| SNF 11R9 | 11.9                                 | 4.96               | 3202001706 |
| SNF 17R4 | 17.4                                 | 4.69               | 3202001707 |
| SNF 24R8 | 24.8                                 | 4.48               | 3202001708 |
| SNF 32R7 | 32.7                                 | 4.73               | 3202001709 |
| SNF 0050 | 50                                   | 4.55               | 3202001710 |
| SNF 0062 | 62                                   | 4.52               | 3202001711 |
| SNF 0080 | 80                                   | 4.40               | 3202001712 |
| SNF 0100 | 100                                  | 4.70               | 3202001713 |
| SNF 0142 | 142                                  | 4.61               | 3202001714 |
| SNF 0178 | 178                                  | 4.52               | 3202001715 |
| SNF 0200 | 200                                  | 4.55               | 3202001716 |
| SNF 0250 | 250                                  | 4.55               | 3202001717 |
| SNF 0340 | 340                                  | 4.45               | 3202001718 |
| SNF 0410 | 410                                  | 4.28               | 3202001719 |
| SNF 0490 | 490                                  | 4.45               | 3202001720 |
| SNF 0590 | 590                                  | 4.55               | 3202001721 |
| SNF 0665 | 665                                  | 4.70               | 3202001722 |
| SNF 0765 | 765                                  | 4.52               | 3202001723 |
| SNF 1000 | 1000                                 | 4.40               | 3202001724 |
| SNF 1300 | 1300                                 | 4.34               | 3202001725 |
| SNF 1480 | 1480                                 | 4.51               | 3202001726 |
| SNF 1865 | 1865                                 | 4.76               | 3202001727 |
| SNF 2825 | 2825                                 | 4.70               | 3202001728 |
| SNF 3950 | 3950                                 | 4.61               | 3202001729 |
| SNF 5900 | 5900                                 | 4.34               | 3202001730 |
| SNF 7000 | 7000                                 | 4.30               | 3202001731 |
| SNF 8000 | 8000                                 | 4.27               | 3202001732 |

## Technical Data

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Maximum exposure temperature     | 260 °C (intermittent +300 °C)         |
| Minimum installation temperature | -70 °C                                |
| Rated voltage                    | up to 450/750 VAC (U <sub>0</sub> /U) |
| Maximum power output             | 40 W/m                                |
| Mechanical resistance            | 7J                                    |
| Minimal bending radius:          |                                       |
| for cable diameter up to 6 mm    | 2.5 x diameter                        |
| for cable diameter above 6 mm    | 6 x diameter                          |

## Approvals



Ex 60079-30-1 IIC Gb  
Ex 60079-30-1 IIIC Db  
Ex 60079-30-1 IIC T6...T2 Gb  
Ex 60079-30-1 IIIC 85°C...260°C Db  
Certificate No:  
tba



Certificate No:  
IECEx CCVE 18.0005U  
IECEx CCVE 18.0004X



## Marking

**Example: SNF 32R7**

Cable type (SNF)

Resistance code  
(32R7 - 32.7 Ohm/km)