

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 SNF 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 resistance 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. Series-resistance heating conductor
2. Fluoropolymer insulation
3. Nickel-plated copper braid
4. Fluoropolymer outer jacket

Series-Resistance Heating Cables

Types

Name	Nominal resistance (Ohm/km) at +20 °C	Outer diameter, mm	Order code
SNF 01R8	1.8	7.80	3202101701
SNF 02R9	2.9	6.74	3202101702
SNF 04R4	4.4	5.88	3202101703
SNF 07R1	7.1	5.10	3202101704
SNF 09R7	9.7	5.25	3202101705
SNF 11R9	11.9	4.96	3202101706
SNF 17R4	17.4	4.69	3202101707
SNF 24R8	24.8	4.48	3202101708
SNF 32R7	32.7	4.73	3202101709
SNF 0050	50	4.55	3202101710
SNF 0062	62	4.52	3202101711
SNF 0080	80	4.40	3202101712
SNF 0100	100	4.70	3202101713
SNF 0142	142	4.61	3202101714
SNF 0178	178	4.52	3202101715
SNF 0200	200	4.55	3202101716
SNF 0250	250	4.55	3202101717
SNF 0340	340	4.45	3202101718
SNF 0410	410	4.28	3202101719
SNF 0490	490	4.45	3202101720
SNF 0590	590	4.55	3202101721
SNF 0665	665	4.70	3202101722
SNF 0765	765	4.52	3202101723
SNF 1000	1000	4.40	3202101724
SNF 1300	1300	4.34	3202101725
SNF 1480	1480	4.51	3202101726
SNF 1865	1865	4.76	3202101727
SNF 2825	2825	4.70	3202101728
SNF 3950	3950	4.61	3202101729
SNF 5900	5900	4.34	3202101730
SNF 7000	7000	4.30	3202101731
SNF 8000	8000	4.27	3202101732

Technical Data

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

Approvals



CETS 23 ATEX 026X

II 2 G D

Ex 60079-30-1 IIC Gb

Ex 60079-30-1 IIIC Db

-70≤Tamb≤+55°C

Ex 60079-30-1 IIC T6 ... T2 Gb

Ex 60079-30-1 IIIC T85°C ... T260°C Db



Marking

Example: SNF 32R7



1. Cable type (SNF)

2. Resistance code (32R7 – 32.7 Ohm/km)