

Series Resistance Heating Cable SNF-L

SNF-L 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 SNF-L 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 resistance up to +260 °C
- Excellent mechanical resistance (4J impact resistance)
- Ex-approved solution
- Steam cleaning resistant, high chemical resistance

Application

- 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
SNFL 17R4	17.4	4.29	3202101407
SNFL 24R8	24.8	4.08	3202101408
SNFL 32R7	32.7	3.93	3202101409
SNFL 0050	50	3.75	3202101410
SNFL 0062	62	3.72	3202101411
SNFL 0080	80	3.6	3202101412
SNFL 0100	100	3.9	3202101413
SNFL 0142	142	3.81	3202101414
SNFL 0178	178	3.72	3202101415
SNFL 0200	200	3.75	3202101416
SNFL 0250	250	3.75	3202101417
SNFL 0340	340	3.65	3202101418
SNFL 0410	410	3.48	3202101419
SNFL 0490	490	4.05	3202101420
SNFL 0590	590	3.75	3202101421
SNFL 0665	665	3.9	3202101422
SNFL 0765	765	3.72	3202101423
SNFL 1000	1000	3.6	3202101424
SNFL 1300	1300	3.54	3202101425
SNFL 1480	1480	3.71	3202101426
SNFL 1865	1865	3.96	3202101427
SNFL 2825	2825	3.9	3202101428
SNFL 3950	3950	3.81	3202101429
SNFL 5900	5900	3.54	3202101430
SNFL 7000	7000	3.5	3202101431
SNFL 8000	8000	3.47	3202101432

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		4J
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≤T_{amb}≤+55°C
Ex 60079-30-1 IIC T6 ... T2 Gb
Ex 60079-30-1 IIIC T85°C ... T260°C Db

Marking

Example: SNF-L 32R7

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1. Cable type (SNF-L)
2. Resistance code (32R7 – 32.7 Ohm/km)