

At a Glance

Applications



Freeze prevention



Speziallösungen

- › Doors and seals of refrigerating chambers
- › Profile Heating
- › Boarding Bridges

Benefits

- › Round design
- › Moisture proof
- › UV-resistant
- › Ideal for profile installation

Design

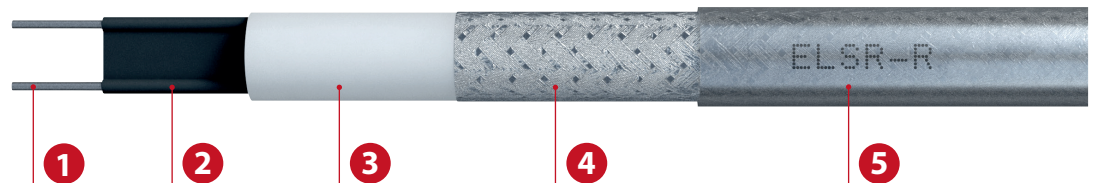
BOT Protective braid, Fluoropolymer outer jacket

Approvals



ELSR-R

up to 65 °C



1	Bus wire	Nickel plated copper, 0.62 mm ²
2	Self-regulating heating element	
3	Insulation	
4	Protection	Protective braid (Cu, tin plated)
5	Outer jacket	Fluoropolymer

Checklist ELSR-R

Power Connection & End Termination

ELVB-SRAR-25	Power connection, shrink-fit, Gland M25 x 1,5, PE	091A020
EL-ECM	Silicone termination cap, glued, transparent	09112M1
ELVB-SRV-M	Connection set, shrink-fit	0911122

Junction Boxes

ELAK-2	104 x 104 x 70 mm, polycarbonate, breakouts 7x M25, IP 66	0920030
ELAK-5	122 x 120 x 90 mm, polyester, 3 breakouts M25, IP 66	0920013
ELAK-5.1	130 x 130 x 75 mm, polycarbonate, breakouts 9x M20/M25, IP 66	0920002

Technical Information

Max. continuous exposure temperature (power on)	65 °C
Max. intermittent exposure temperature (de-energized)	65 °C (max. 1000 h)
Nominal voltage	230 V
Min. Bending radius	30 mm
Min. Installation temperature	- 30 °C

Heating circuit length

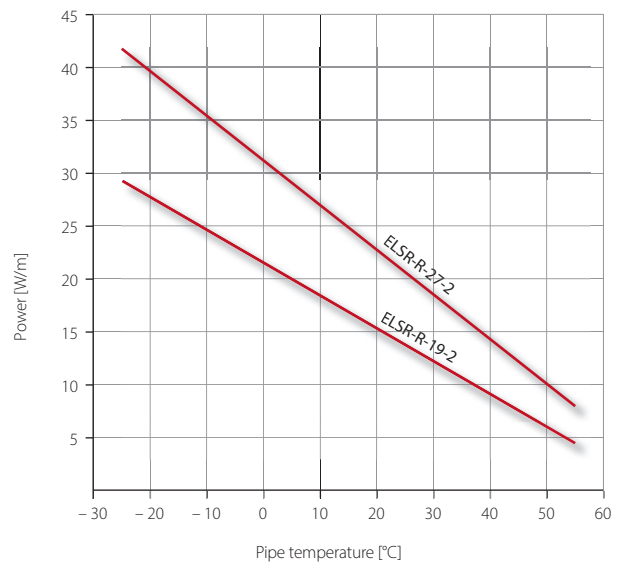
Switch on temperature [°C]	Nominal fuse rating [A]	Heating circuit length* ¹ [m]	
		ELSR-R-19-2	ELSR-R-27-2
10	10	75.0	20.0
	16	102.0	32.0
	20	102.0	40.0
0	10	62.0	16.0
	16	94.0	26.0
	20	94.0	33.0
-10	10	51.0	13.0
	16	81.0	21.0
	20	88.0	27.0
-20	10	41.0	11.0
	16	65.0	17.0
	20	82.0	22.0
-40	10	30.0	7.0
	16	48.0	12.0
	20	60.0	15.0

*¹ Heating circuit lengths on the following conditions

- 230 V nominal voltage
- Delayed action circuit breakers (C-characteristic) with 80 % max. load
- Maximum 10 % line voltage drop on heating cable bus wire
- Power connection to one heater end
- In certain installation situations, the heating circuit length may vary.
Please contact our engineers.

Power output

ELSR-R-xx-2-xx Power
(on insulated metallic pipes in accordance with EN 62395-1)



Other designs on request.

This heating cable has specially been developed for the use with doors of refrigerating chambers. Please contact our engineers for more details on our ELSR-R.

Ordering Information

Type	Nominal output [at 10°C]	WxH approx. [mm]	Weight approx. [g/m]	Article - No.
ELSR-R-19-2-BOT	19 W/m	7.3	77	B0200507
ELSR-R-27-2-BOT	27 W/m	7.3	74	B0200605