

At a Glance

Applications



Temperature maintenance



Silos, vessels, tanks



Pipelines

- › Fat-containing wastewater pipes in canteens and large-scale kitchens
- › Legionella prevention on hot water pipes

Benefits

- › Two nominal outputs
- › Moisture proof

Designs

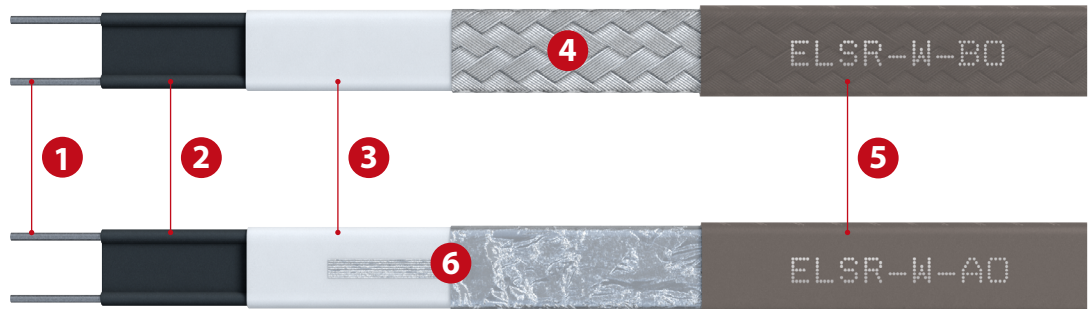
AO Aluminium foil, TPE-O outer jacket

BO Protective braid, TPE-O outer jacket

Approvals



ELSR-W up to 100 °C



1	Bus wire	Nickel plated copper, 1.23 mm ²
2	Self-regulating heating element	
3	Insulation	
4	Protection	Protective braid (Cu, tin plated)
5	Outer jacket	TPE-O
6	Protective conductor connection	see 4 or Cu, tin plated with aluminium foil

Checklist ELSR-W

Power Connection & End Termination

ELVB-SRA-25	Power connection, glued, Gland M25 x 1,5, PE	091A010
EL-ECW	Silicone termination cap, glued, transparent	09112W1
ELVB-SRV-N-L-W	Connection set, shrink-fit	0911116
El-Clc P	El-Clc P Fast connector with 2.5m cold lead H05 SS-F 3 G 1,5	09ClcP
El-Clc S	El-Clc S Fast connector T-splice	09ClcS

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
ELAK-RS	150 x 125 mm, twin Pt100, 3 heaters incl. mounting stand, IP 65	0920050



Technical Information

Max. continuous exposure temperature (power on)	80 °C
Max. intermittent exposure temperature (de-energized)	100 °C (max. 1000 h)
Nominal voltage*	230 V
Min. Bending radius	20 mm
Min. Installation temperature	– 20 °C

Heating circuit length

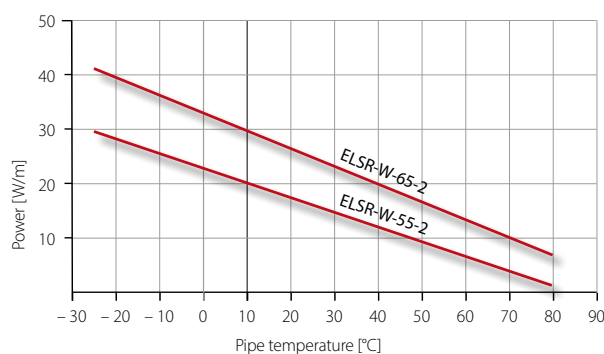
Switch on temperature [°C]	Nominal fuse rating [A]	Heating circuit length* [m]	
		ELSR-W-55-2	ELSR-W-65-2
10	10	70.0	45.0
	16	113.0	73.0
	20	131.0	92.0
	25	131.0	106.0
	32	131.0	106.0
0	10	63.0	41.0
	16	101.0	66.0
	20	123.0	83.0
	25	123.0	99.0
	32	123.0	99.0
-10	10	57.0	37.0
	16	91.0	60.0
	20	113.0	75.0
	25	117.0	94.0
	32	117.0	95.0
-20	10	52.0	34.0
	16	83.0	55.0
	20	104.0	69.0
	25	112.0	86.0
	32	112.0	90.0
-40	10	44.0	29.0
	16	70.0	48.0
	20	88.0	59.0
	25	103.0	74.0
	32	103.0	83.0

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



Ordering Information

Power output on water pipes

Type	Nominal output	WxH approx. [mm]	Weight approx. [g/m]	Article - No.
ELSR-W-55-2-AO	9 W/m @ 55°C	12.9 x 5.0	86	B0200360
ELSR-W-55-2-BO	9 W/m @ 55°C	12.9 x 5.0	105	B0200350
ELSR-W-65-2-AO	13 W/m @ 65°C	12.9 x 5.0	86	B0200455
ELSR-W-65-2-BO	13 W/m @ 65°C	12.9 x 5.0	105	B0200450

Power output on fat- or waste water pipes

Type	Nominal output [at 40°C]	WxH approx. [mm]	Weight approx. [g/m]	Article - No.
ELSR-W-65-2-AO	22 W/m	12.9 x 5.0	86	B0200455
ELSR-W-65-2-BO	22 W/m	12.9 x 5.0	105	B0200450