

At a Glance

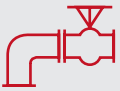
Applications



Temperature maintenance



Pipelines



Valves, pumps

- › Food Processing Industry
- › Water and sanitation utilities

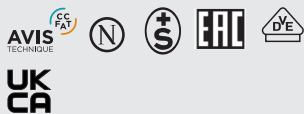
Benefits

- › Two nominal outputs
- › UV-resistant
- › Moisture proof
- › Small dimensions

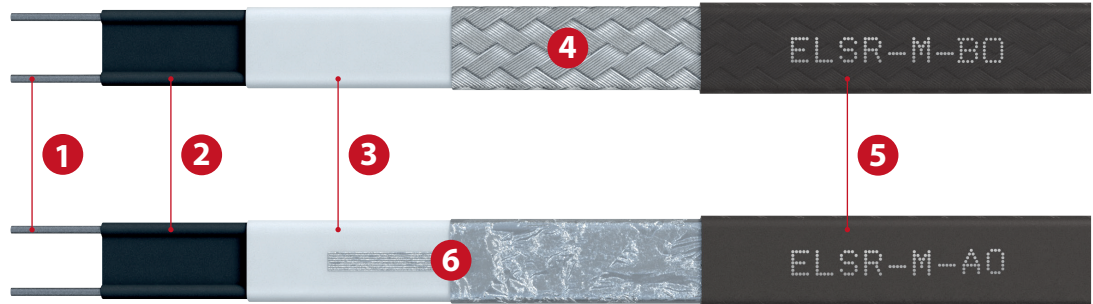
Designs

- AO** Aluminium foil, TPE-O outer jacket
- BO** Protective braid, TPE-O outer jacket

Approvals



ELSR-M 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 | TPE-O |
| 6 Protective conductor connection | see 4 or Cu, tin plated with aluminium foil |

Checklist ELSR-M

Power Connection & End Termination

ELVB-SRAM-25	Power connection, shrink-fit, Gland M25 x 1,5, PE	091A015
EL-ECM-1	Silicone termination cap, glued, transparent	09112M1
EL-ECM-2	Silicone termination cap, glued, transparent („inside water pipes“)	09112M2
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	25 mm
Min. Installation temperature	– 45 °C

* Further power inputs on request

Heating circuit length

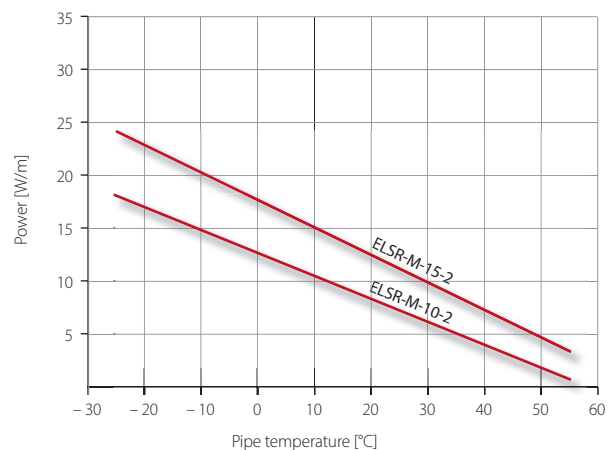
Switch on temperature [°C]	Nominal fuse rating [A]	Heating circuit length*1 [m]	
		ELSR-M-10-2	ELSR-M-15-2
10	10	126.0	98.0
	16	126.0	105.0
	20	126.0	105.0
0	10	115.0	83.0
	16	115.0	97.0
	20	115.0	97.0
-10	10	100.0	72.0
	16	106.0	91.0
	20	106.0	91.0
-20	10	87.0	64.0
	16	99.0	85.0
	20	99.0	85.0
-40	10	69.0	52.0
	16	88.0	77.0
	20	88.0	77.0

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



Ordering Information

Type	Nominal output [at 10°C]	WxH approx. [mm]	Weight approx. [g/m]	Article - No.
ELSR-M-10-2-AO	10 W/m	8.0 x 5.5	53	B0225110
ELSR-M-10-2-BO	10 W/m	8.5 x 5.8	62	B0225102
ELSR-M-15-2-AO	15 W/m	8.0 x 5.5	53	B0225160
ELSR-M-15-2-BO	15 W/m	8.5 x 5.8	62	B0225152