eltherm®
innovations in heat tracing

Heating cable Hot water self-regulating

The self-regulating heating cable ELSR-W (hot water) is used for vessels, pipes, valves and several other applications with processing temperatures between 30 °C and 80 °C approximately (power on) and 100°C (power off). The ELSR-W self-regulating heating cables are frequently used to heat oil and fat lines, for example in the food processing industry. But likewise its use for drainage lines in canteens and (large scale) kitchen makes good sense, avoiding fat and oil deposits by heating. Used for hot water supplies, it serves for frost protection, temperature maintenance and prevention of Legionella formation.

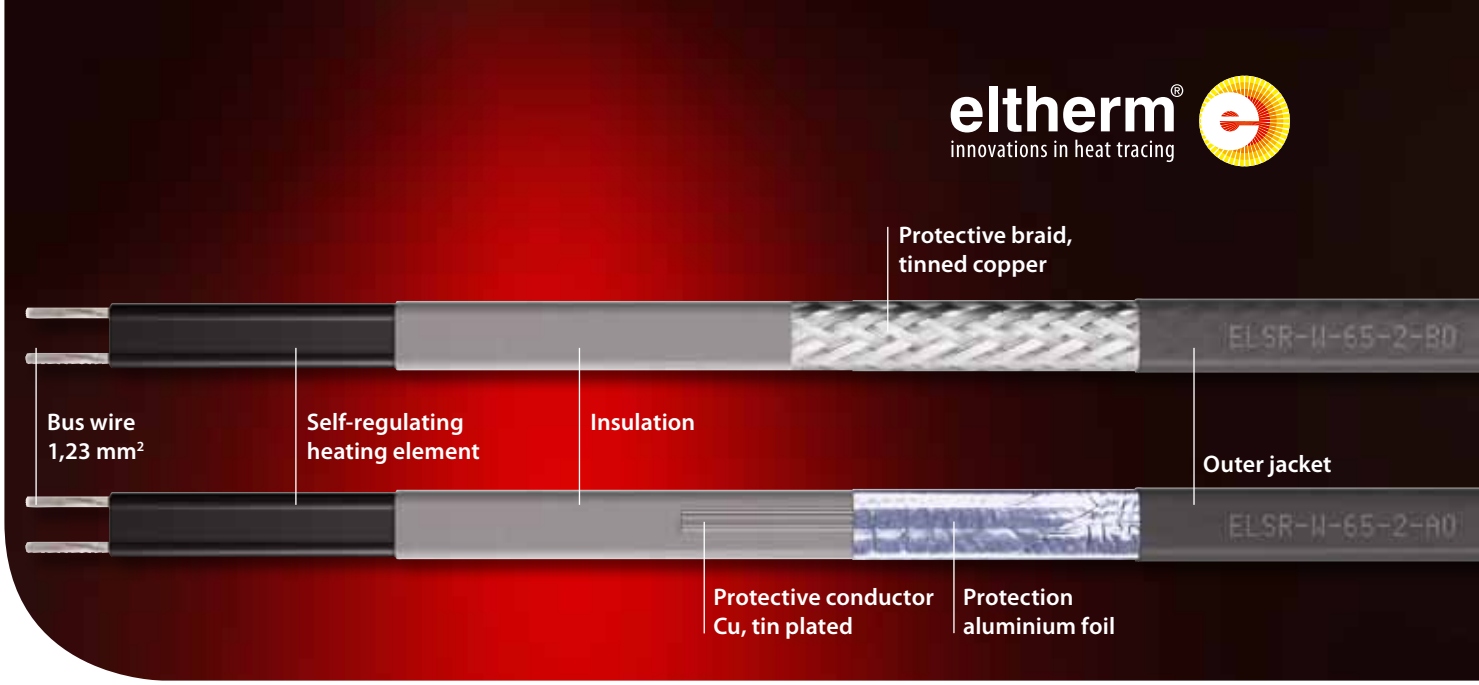
Advantages:

- Self-regulating
- Two nominal outputs
- Can be cut to length off the roll
- Moisture proof

Applications:

- Food processing industry
- Heat tracing on fat lines
- Drainage lines in canteens and large-scale kitchens
- Frost protection for heating lines
- Installation on hot water supplies to prevent Legionella formation

Type **ELSR-W up to 100 °C**



Technical information

Type ELSR-W up to 100 °C

Data

Outer jacket	TPE-O
Bus wire	nickel plated copper
Maximum exposure temperature (power off)	100 °C
Maximum exposure temperature (power on)	80 °C
Nominal voltage	230 V
Bending radius, minimum	20 mm
Installation temperature, min.	– 20 °C

Design

BO	Protective braid and a thermoplastic outer jacket
AO	Aluminium foil and a thermoplastic outer jacket

Heating circuit lengths ELSR-W-...-2-... on the following conditions:

- 230 V nominal voltage
- Delayed action circuit breakers (C-characteristic) with 80 % maximum load
- Maximum 10 % line voltage drop on the heating cable bus wire
- One (1) single end power input heating cable

Switch-on temperature	Nominal cutout value (A)	Heating circuit length (m) for	
		ELSR-W-55-2	ELSR-W-65-2
10	10	70,0	45,5
	16	113,0	73,5
	20	131,0	92,0
	25	131,0	106,0
	32	131,0	106,0
0	10	63,0	41,5
	16	101,0	66,0
	20	123,5	83,0
	25	123,5	99,5
	32	123,5	99,5
-10	10	57,0	37,5
	16	91,0	60,0
	20	113,5	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	69,5
	25	112,0	86,0
	32	112,0	90,5
-40	10	44,0	29,5
	16	70,0	48,0
	20	88,0	59,0
	25	103,0	74,0
	32	103,0	83,5

Type	Nominal output used for water supply lines	Dimensions approx. (mm)	Weight approx. (g/m)	Item n°
ELSR-W-55-2-AO	9 W/m at 55 °C	12,9 x 5,0	86	B0200360
ELSR-W-55-2-BO	9 W/m at 55 °C	12,9 x 5,0	105	B0200350
ELSR-W-65-2-AO	13 W/m at 65 °C	12,9 x 5,0	86	B0200455
ELSR-W-65-2-BO	13 W/m at 65 °C	12,9 x 5,0	105	B0200450

Type	Nominal output used with fat/ oil lines	Dimensions approx. (mm)	Weight approx. (g/m)	Item n°
ELSR-W-65-2-AO	22 W/m at 40 °C	12,9 x 5,0	86	B0200455
ELSR-W-65-2-BO	22 W/m at 40 °C	12,9 x 5,0	105	B0200450

ELSR-W-...-2-... output

(on insulated metallic pipes in accordance with EN 62395-1)