



# Heating cable High temperature self-regulating

The versatile self-regulating heating cable ELSR-H is for high temperatures up to 210 °C in a large number of industrial applications. It also suited and approved for use in hazardous areas. The BOT version of this heating cable even withstands aggressive chemicals, oil and fuel and, thanks to this high chemical resistance, stands out for a long life span.

## Advantages:

- Up to 120 °C/210 °C
- Self-regulating
- Six nominal outputs
- Can be cut to length off the roll
- Moisture proof
- Resistant to chemicals
- Approved for use in hazardous areas

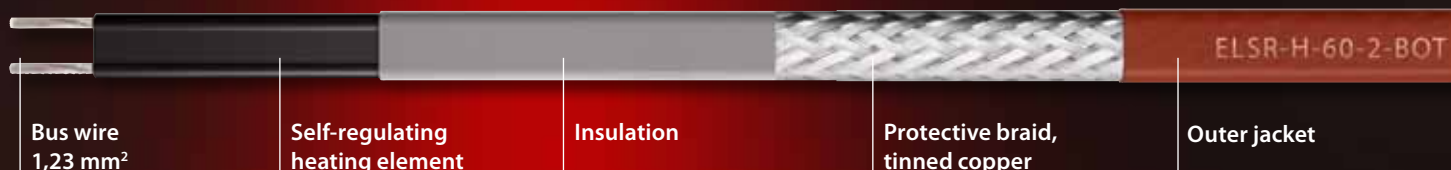
## Applications:

- Chemical & petrochemical industries
- Oil & gas industry
- Power plants
- Ex-areas
- Frost protection
- Water & sanitation utilities
- Temperature maintenance on vessels, pipes & valves



Type **ELSR-H** up to 210 °C





## Technical information

## Type ELSR-H up to 210 °C

### Data

■ Outer jacket	Fluoropolymer
■ Bus wire	Nickel plated copper
■ Maximum exposure temperature (power off)	210 °C
■ Maximum exposure temperature (power on)	120 °C
■ Nominal voltage	230 V / 120 V*
■ Bending radius, minimum	25 mm
■ Installation temperature, min.	- 45 °C
■ Classification	II 2G Ex e IIC Gb II 2D Ex tb IIIC Db
■ Certificates	IECEX EPS 12.0004 12ATEX1429U

\*upon request

Heating circuit lengths ELSR-H-...-2-BOT 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-H-10-2	ELSR-H-15-2	ELSR-H-20-2	ELSR-H-30-2	ELSR-H-45-2	ELSR-H-60-2
10	16	193,0	158,0	122,0	82,0	55,0	41,0
	20	193,0	158,0	136,0	102,0	68,0	51,0
	25	193,0	158,0	136,0	111,0	85,0	64,0
	32	193,0	158,0	136,0	111,0	91,0	79,0
0	16	189,0	153,0	116,0	77,0	52,0	39,0
	20	189,0	153,0	132,0	97,0	65,0	49,0
	25	189,0	153,0	132,0	108,0	81,0	61,0
	32	189,0	153,0	132,0	108,0	88,5	77,0
-10	16	184,0	146,0	110,0	73,0	50,0	37,0
	20	184,0	148,5	129,0	92,0	62,0	46,0
	25	184,0	148,5	129,0	105,5	77,0	58,0
	32	184,0	148,5	129,0	105,5	86,5	70,0
-20	16	180,0	139,0	104,0	70,0	47,0	36,0
	20	180,0	145,0	125,5	87,0	59,0	44,0
	25	180,0	145,0	125,5	103,0	74,0	56,0
	32	180,0	145,0	125,5	103,0	84,5	67,0
-40	16	173,0	126,0	95,0	64,0	43,0	33,0
	20	173,0	138,0	119,0	80,0	54,0	41,0
	25	173,0	138,0	120,0	98,0	68,0	51,0
	32	173,0	138,0	120,0	98,0	81,0	61,0

### Design

- BOT Protective braid and a fluoropolymer outer jacket

Type	Nominal output	Dimensions approx. (mm)	Weight approx. (g/m)	Art. No.
ELSR-H-10-2-BOT	10 W/m at 10 °C	12,4 x 5,0	120	B0221103
ELSR-H-15-2-BOT	15 W/m at 10 °C	12,4 x 5,0	120	B0221153
ELSR-H-20-2-BOT	20 W/m at 10 °C	12,4 x 5,0	120	B0221203
ELSR-H-30-2-BOT	30 W/m at 10 °C	12,4 x 5,0	120	B0221303
ELSR-H-45-2-BOT	45 W/m at 10 °C	12,4 x 5,0	120	B0221453
ELSR-H-60-2-BOT	60 W/m at 10 °C	12,4 x 5,0	120	B0221603

### ELSR-H-...-2-BOT output

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

