eltherm®

- up to 120 °C/210 °C
- Self-regulating
- Four nominal outputs
- Can be cut to length from the roll
- Moisture proof
- Resistant to chemicals
- UV-resistant

Type **ELSR-H**

Application description

The ELSR-H is our heating cable for the high temperature range. It is suitable for frost protection as well as maintaining constant temperatures for receptacles, pipes and valves. One important area of use is predominantly in the Chemicals or Petrochemicals industry.

ELSR-H is available with 4 different nominal outputs and with a special fluoropolymer outer jacket: this material which is better known as “Teflon” makes it resistant to aggressive chemicals, oil and fuel.

Type **ELSR-H** up to 210 °C

Design:

BOT: Protective braiding and a fluoropolymer outer jacket

Technical data:

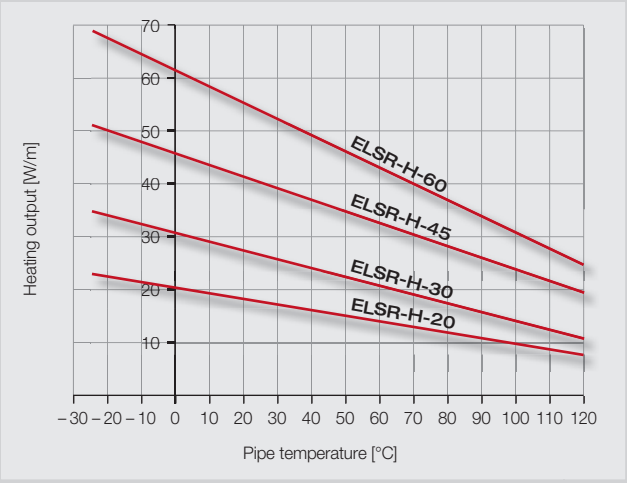
Outer jacket . . . . . PFA
Bus wire . . . . . Cu nickel-plated
Maximum exposure temperature (deenergised) . . 210 °C
Maximum exposure temperature (energised) . . . . 120 °C
Nominal voltage . . . . . 230 V/120 V*
Bending radius minimum . . . 25 mm
Minimum installation temperature . . . . . – 45 °C

* upon request

Type	Nominal output	Dimensions approx. (mm)	Weight approx. (g/m)	Item number
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 output

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



Heating circuit lengths ELSR-H

considering

- 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
- A (1) single end power input heating cable into consideration

Switch-on temperature (°C)	Nominal cutout value (A)	Heating circuit length (m) for at 230 V			
		ELSR-H-20	ELSR-H-30	ELSR-H-45	ELSR-H-60
10	16	122.0	82.0	55.0	41.0
	20	136.0	102.0	68.0	51.0
	25	136.0	111.0	85.0	64.0
	32	136.0	111.0	91.0	79.0
0	16	116.0	77.0	52.0	39.0
	20	132.0	97.0	65.0	49.0
	25	132.0	108.0	81.0	61.0
	32	132.0	108.0	88,5	77.0
– 10	16	110.0	73.0	50.0	37.0
	20	129.0	92.0	62.0	46.0
	25	129.0	105.5	77.0	58.0
	32	129.0	105.5	86.5	70.0
– 20	16	104.0	70.0	47.0	36.0
	20	125.5	87.0	59.0	44.0
	25	125.5	103.0	74.0	56.0
	32	125.5	103.0	84.5	67.0
– 40	16	95.0	64.0	43.0	33.0
	20	119.0	80.0	54.0	41.0
	25	120.0	98.0	68.0	51.0
	32	120.0	98.0	81.0	61.0