

eltherm®



- Suitable for use in drinking water (officially approved by certificate)
- Can be cut to length from the roll
- Moisture proof
- UV-resistant



Type **ELSR-M-10-2-BF**

ELSR-M-10-2-BF



Application description

ELSR-M-10-2-BF is a self-regulating heating cable in a lightweight ("micro") design with a foodstuff and drinking water approved outer jacket. A typical application is the frost protection of drinking water pipes. You can use it as well for temperature maintenance in industries like the food industry. The ELSR-M-10-2-BF heating cable offers

you the smallest possible dimensions, is highly flexible in its application and perfectly suited to be used for short heating circuits. Compared to other heating cables the ELSR-M-10-2-BF can be placed INSIDE the pipes. It can be laid fully immersed in water, even its end termination is moisture proof!



Type **ELSR-M-10-2-BF** up to 65 °C

Design:

BF: Protective braid and food safe outer jacket, suitable for use in drinking water (officially approved by certificate from „Hygiene Institut des Ruhrgebiets“)

Technical data:

Outer jacket PVDF
 Bus wire Cu nickel-plated
 Maximum exposure temperature (deenergised) . . 65 °C
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 Nominal voltage 230 V
 Bending radius minimum . . . 25 mm
 Minimum installation temperature – 45 °C

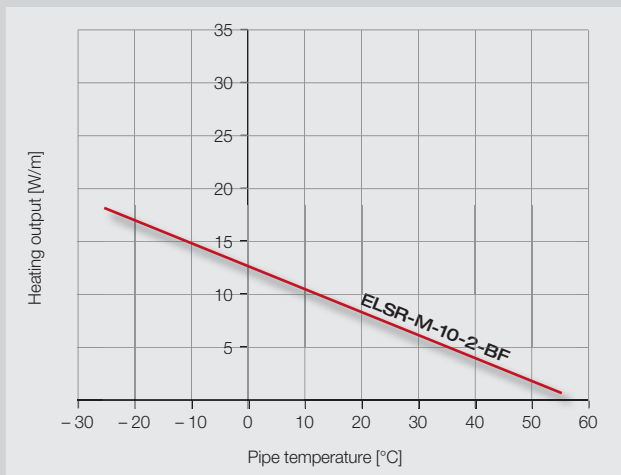


Type	Nominal output	Dimensions approx. (mm)	Weight approx. (g/m)	Item number
ELSR-M-10-2-BF	10 W/m at 10 °C	7.5 x 4.9	62	B0225104



ELSR-M-10-2-BF output

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



Heating circuit lengths ELSR-M-10-2-BF

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 cut-out value (A)	Heating circuit length (m) for
		ELSR-M-10-2-BF
10	16	126.5
	20	126.5
0	16	115.5
	20	115.5
-10	16	106.5
	20	106.5
-20	16	99.5
	20	99.5
-40	16	88.5
	20	88.5