



Heating cable Micro self-regulating

The heating cable ELSR-M is very flexible and is used for special applications where installation dimensions are needed to be kept small. It is particularly suited for short heating circuits. This heating cable can be used for frost protection and temperature maintenance up to 65 °C.

Advantages:

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

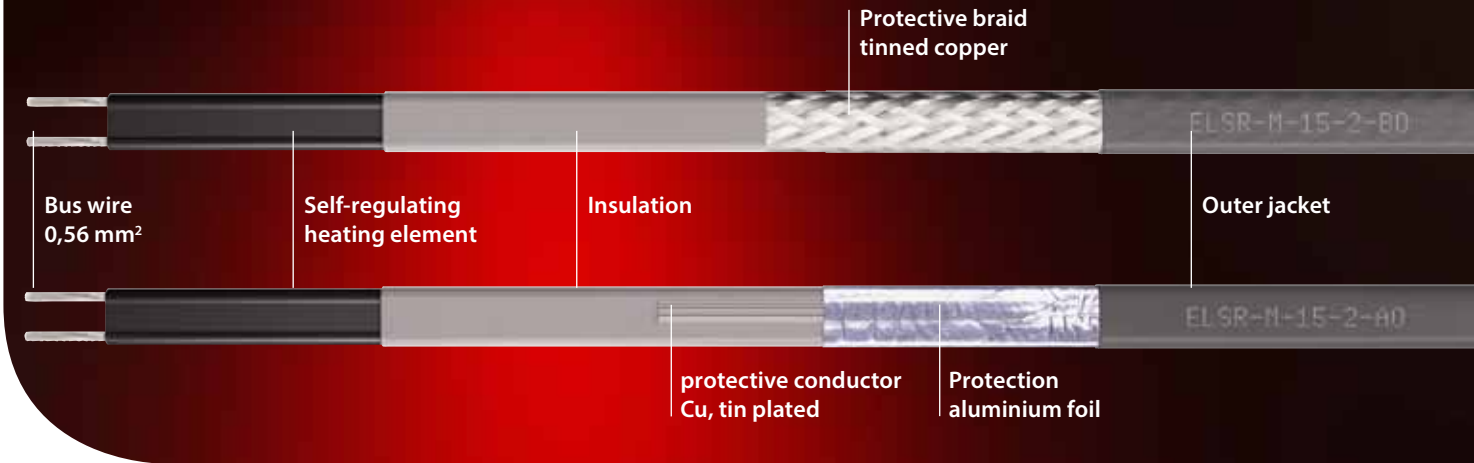
Applications:

- Heat tracing on pipes, pumps and valves
- Food processing industry
- Automotive
- Heating of tube bundle cables for water analysis
- Heat tracing on vessels



Type **ELSR-M** up to 65 °C





Technical information

Type ELSR-M up to 65 °C

Data

| | |
|--|----------------------|
| ■ Outer jacket | TPE-O |
| ■ Bus wire | nickel plated copper |
| ■ Maximum exposure temperature (power off) | 65 °C |
| ■ Maximum exposure temperature (power on) | 65 °C |
| ■ Nominal voltage | 230 V |
| ■ Bending radius, minimum | 25 mm |
| ■ Installation temperature, min. | - 45 °C |

Design

| | |
|------|---|
| ■ BO | Protective braid and a thermoplastic outer jacket |
| ■ AO | Aluminium foil and a thermoplastic outer jacket |

| Type | Nominal output | Dimensions approx. (mm) | Weight approx. (g/m) | Art. No. |
|----------------|-----------------|-------------------------|----------------------|----------|
| ELSR-M-10-2-AO | 10 W/m at 10 °C | 8,0 x 5,5 | 53 | B0225110 |
| ELSR-M-10-2-BO | 10 W/m at 10 °C | 8,5 x 5,8 | 62 | B0225102 |
| ELSR-M-15-2-AO | 15 W/m at 10 °C | 8,0 x 5,5 | 53 | B0225160 |
| ELSR-M-15-2-BO | 15 W/m at 10 °C | 8,5 x 5,8 | 62 | B0225152 |

Heating circuit lengths ELSR-M-...-2 Heating circuit lengths ELSR-N-...-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-M-10-2 | ELSR-M-15-2 |
| 10 | 10 | 126,5 | 98,0 |
| | 16 | 126,5 | 105,5 |
| | 20 | 126,5 | 105,5 |
| 0 | 10 | 115,5 | 83,0 |
| | 16 | 115,5 | 97,5 |
| | 20 | 115,5 | 97,5 |
| -10 | 10 | 100,0 | 72,0 |
| | 16 | 106,5 | 91,0 |
| | 20 | 106,5 | 91,0 |
| -20 | 10 | 87,0 | 64,0 |
| | 16 | 99,5 | 85,5 |
| | 20 | 99,5 | 85,5 |
| -40 | 10 | 69,0 | 52,0 |
| | 16 | 88,5 | 77,0 |
| | 20 | 88,5 | 77,0 |

ELSR-M-...-2 output

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

