



# Heating cable self-regulating



The versatile self-regulating heating cable ELSR-N is suited for frost protection and temperature maintenance in the low temperature range of industrial applications. Likewise it is 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 lifetime.

#### Advantages:

- Self-regulating
- Four nominal outputs
- Can be cut to length off the roll
- Moisture proof
- UV-resistant
- Approved for use in hazardous areas

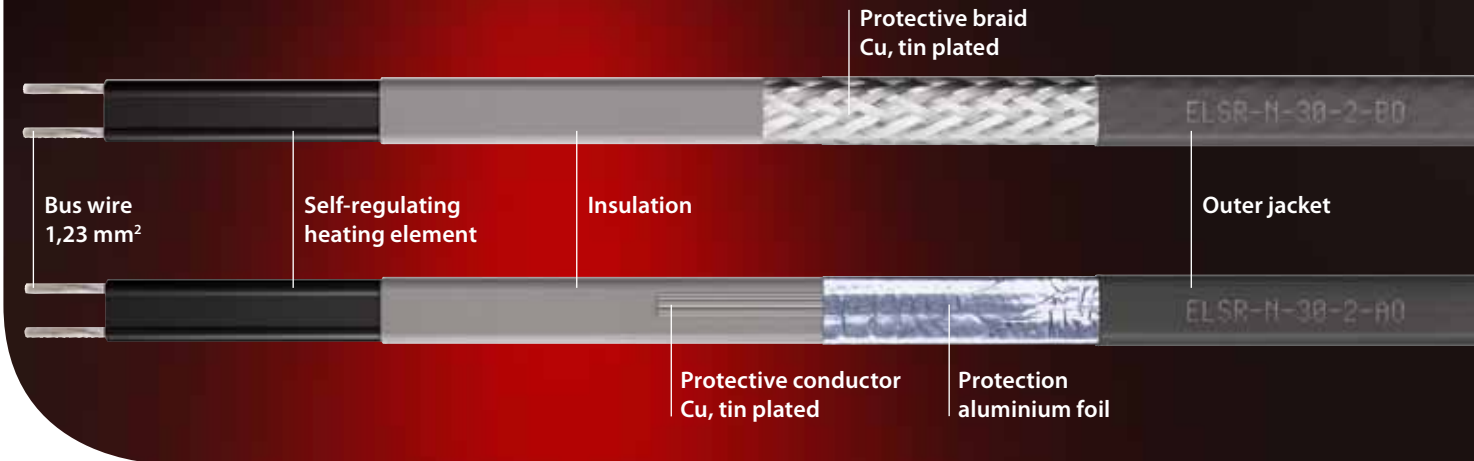
#### Applications:

- Frost protection
- Heat tracing on level indicators
- Chemical & petrochemical industries
- Tank bottom heating of LNG storage tanks
- Pipe heat tracing
- Vessels and tanks
- Automotive
- Food processing industry



Type **ELSR-N** up to 80 °C





## Technical information

## Type ELSR-N up to 80 °C

### Data

■ Outer jacket	TPE-O
■ Bus wire	nickel plated copper
■ Maximum exposure temperature (power off)	80 °C
■ Maximum exposure temperature (power on)	65 °C
■ Nominal voltage	230 V
■ Bending radius, min.	25 mm
■ Installation temperature, min.	-45 °C
■ Classification	II 2G Ex e IIC Gb II 2D Ex tb IIIC Db
■ Certificates	IECEX EPS 12.0006U 12ATEX1431U

### Design

■ BO	Protective braid and a thermoplastic outer jacket
■ AO	Aluminium foil and a thermoplastic outer jacket
■ BOT	Protective braid and a fluoropolymer outer jacket

### 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-N-10-2	ELSR-N-20-2	ELSR-N-30-2	ELSR-N-40-2
10	10	128	68	52	36
	16	177	109	83	57
	20	177	129	104	71
	25	177	129	113	89
	32	177	129	113	94
0	10	106	57	45	31
	16	160	92	71	50
	20	160	115	89	62
	25	160	119	105	78
-10	10	90	50	39	28
	16	144	79	63	44
	20	149	99	78	55
	25	149	111	98	69
-20	10	78	44	35	25
	16	125	70	56	40
	20	139	87	69	50
	25	139	104	87	62
-40	10	62	35	28	21
	16	99	56	45	33
	20	124	71	57	42
	25	124	88	71	52
	32	124	88	71	66

Type	Nominal output	Dimensions approx. (mm)	Weight approx. (g/m)	Art. No.
ELSR-N-10-2-AO	10 W/m at 10 °C	13,6 x 5,5	91	B0200130
ELSR-N-10-2-BO	10 W/m at 10 °C	14,1 x 5,8	108	B0200110
ELSR-N-10-2-BOT	10 W/m at 10 °C	13,8 x 5,6	108	B0200119
ELSR-N-20-2-AO	20 W/m at 10 °C	13,6 x 5,5	91	B0200230
ELSR-N-20-2-BO	20 W/m at 10 °C	14,1 x 5,8	108	B0200210
ELSR-N-20-2-BOT	20 W/m at 10 °C	13,8 x 5,6	108	B0200219
ELSR-N-30-2-AO	30 W/m at 10 °C	13,6 x 5,5	91	B0200330
ELSR-N-30-2-BO	30 W/m at 10 °C	14,1 x 5,8	108	B0200310
ELSR-N-30-2-BOT	30 W/m at 10 °C	13,8 x 5,6	108	B0200319
ELSR-N-40-2-AO	40 W/m at 10 °C	13,6 x 5,5	91	B0200430
ELSR-N-40-2-BO	40 W/m at 10 °C	14,1 x 5,8	108	B0200410
ELSR-N-40-2-BOT	40 W/m at 10 °C	13,8 x 5,6	108	B0200419

### ELSR-N-...-2 output

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

