



Heating Cable Light 'Super' Self-regulating



The versatile self-regulating heating cable ELSR-LS is our 'light' version for temperatures up to 80 °C. This heating cable is also suited and approved for use in hazardous areas. Since eltherm® self-regulating cables can be cut off the roll to the desired length, the application cable is highly flexible to match our customer's needs. Its long life span guarantees for the efficient use in many industrial sectors.

Advantages:

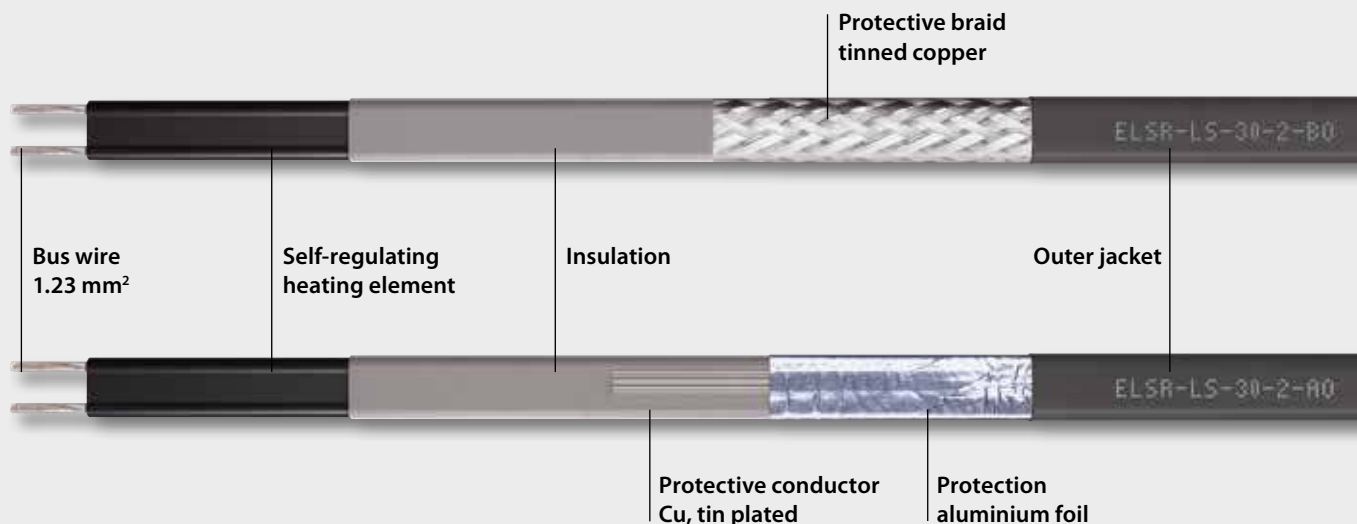
- Self-regulating
- Four nominal outputs
- Can be cut to length off the roll
- Moisture proof
- UV-resistant
- Small dimensions

Applications:

- Pipe heat tracing
- Frost protection for industrial applications
- Temperature maintenance for pipes and vessels
- Chemical & petrochemical industries
- Paints & varnishes
- Automotive
- Food processing industry



Type ELSR- LS up to 80 °C





Technical Information

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Data

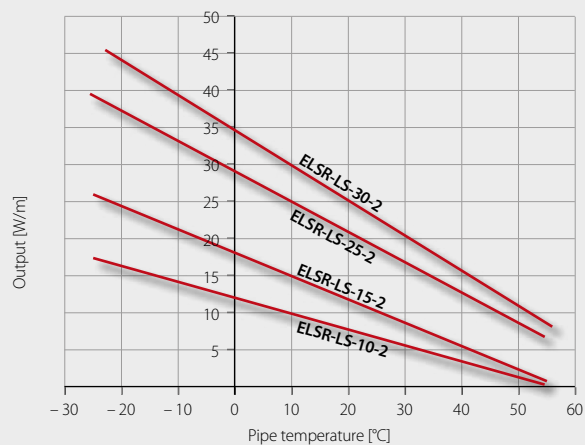
Outer jacket	TPE-O
Bus wire	1,23 mm ² nickel plated copper
Maximum exposure temperature (power off)	80 °C
Maximum exposure temperature (power on)	65 °C
Nominal voltage	230 V
Bending radius, min.	25 mm
Installation temperature, min.	- 50 °C
Classification system	IBExU II 2G Ex e IIC T6 Gb II 2D Ex tb IIIC TX Db
Classification cable	EPS II 2G Ex e IIC Gb II 2D Ex tb IIIC Db
Certificates	12ATEX1431U IECEx EPS 12.0006U

Design

BO	Protective braid and a thermoplastic outer jacket
AO	Aluminium foil and a thermoplastic outer jacket

ELSR-LS-...-2 output

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



Heating circuit lengths ELSR- LS -...-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
- Power connection to one (1) heater end

Switch-on temperature (°C)	Nominal cutout value (A)	Heating circuit length (m) for			
		ELSR- LS - 10-2	ELSR- LS - 15-2	ELSR- LS - 25-2	ELSR- LS - 30-2
10	10	152.0	103.0	64.0	49.0
	16	196.0	160.5	103.0	78.0
	20	196.0	160.5	126.0	97.5
	25	196.0	160.5	126.0	112.5
0	10	141.0	84.0	54.0	44.0
	16	188.5	134.0	87.0	70.0
	20	188.5	145.0	108.0	87.5
	25	188.5	145.0	116.0	104.0
-10	10	119.0	71.0	47.0	38.0
	16	173.5	114.0	75.0	61.0
	20	173.5	133.0	94.0	76.0
	25	173.5	133.0	107.5	95.0
-20	10	103.0	62.0	37.5	33.0
	16	161.0	99.0	60.0	53.0
	20	161.0	124.0	75.0	66.0
	25	161.0	124.0	94.0	83.0

Type	Nominal output	Dimensions approx. (mm)	Weight approx. (g/m)	Art. No.
ELSR-LS-10-2-AO	10 W/m at 10 °C	10.3 x 5.5	78	B0223104
ELSR-LS-10-2-BO	10 W/m at 10 °C	10.8 x 5.6	98	B0223102
ELSR-LS-15-2-AO	15 W/m at 10 °C	10.3 x 5.5	78	B0223154
ELSR-LS-15-2-BO	15 W/m at 10 °C	10.8 x 5.6	98	B0223152
ELSR-LS-25-2-AO	25 W/m at 10 °C	10.3 x 5.5	78	B0223254
ELSR-LS-25-2-BO	25 W/m at 10 °C	10.8 x 5.6	98	B0223252
ELSR-LS-30-2-AO	30 W/m at 10 °C	10.3 x 5.5	78	B0223304
ELSR-LS-30-2-BO	30 W/m at 10 °C	10.8 x 5.6	98	B0223302



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