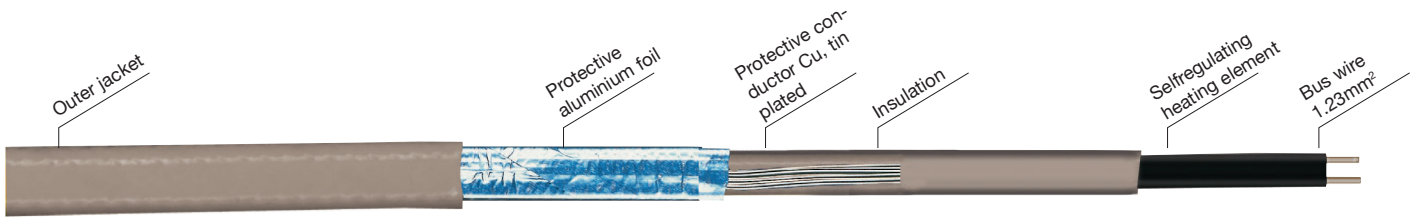


# Selfregulating heating cable Light Super - Type ELSR-LS up to 80°C



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 our selfregulating 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

**Technical Data:**

Outer jacket..... TPE-O  
 Bus wire..... 1,23mm<sup>2</sup> nickel-plated copper  
 Maximum exposure temperature (power off).....80°C  
 Maximum exposure temperature (power on).....65°C  
 Nominal voltage .....230V  
 Bending radius minimum .....25mm  
 Minimum installation temperature..... -50°C  
 Classification ..... II 2G Ex e IIC Gb II 2D Ex tb IIIC Db  
 Certificate ..... IECEx EPS 12.0006U  
 ..... 12ATEX1431U

Type	Nom. output at 10°C (W/m)	Dimensions approx. (mm)	Weight approx. (g/m)	Part no.
ELSR-LS-10-2-AO	10	10,3x5,5	78	
ELSR-LS-10-2-BO	10	10,8x5,6	98	
ELSR-LS-15-2-AO	15	10,3x5,5	78	
ELSR-LS-15-2-BO	15	10,8x5,6	98	
ELSR-LS-25-2-AO	25	10,3x5,5	78	
ELSR-LS-25-2-BO	25	10,8x5,6	98	
ELSR-LS-30-2-AO	30	10,5x5,5	78	
ELSR-LS-30-2-BO	30	10,8x5,6	98	

**Design:**

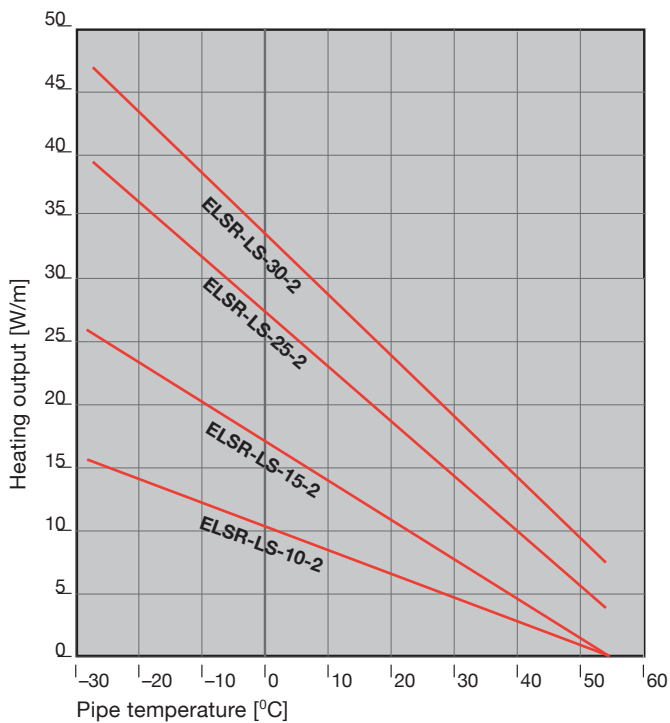
BO: Protective braiding and a thermoplastic outer jacket  
 AO: Aluminium foil and a thermoplastic outer jacket

## Selfregulating heating cable Light Type ELSR-LS up to 80°C



### ELSR-LS-...-2 output

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



### Heating circuit lengths ELSR-LS-...-2 on the following conditions:

- 230V 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

Switch-on temp. °C	Nominal cutout value A	Heating circuit length (m) for			
		ELSR-LS-10-2	ELSR-LS-15-2	ELSR-LS-20-2	ELSR-LS-30-2
+10°C	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°C	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°C	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°C	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