eltherm®

ELP-Si
up to 200 °C

At a Glance

Applications

Freeze prevention

Temperature maintenance

Pipelines

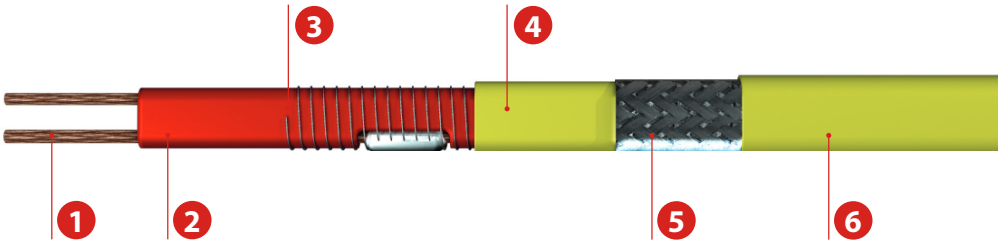
Silos, vessels, tanks

- Chemistry and Petrochemistry
- Building construction
- Food Processing Industry
- Paper industry

Benefits

- Single end connection
- Can be cut off the roll
- Constant power output per meter
- Highly flexible

Approvals



1	Bus wire	Copper
2	1st insulation	Silicone
3	Heating conductor	Heating conductor alloy
4	2nd insulation	Silicone
5	Protective braid	Copper, nickel-plated
6	Outer jacket	Silicone

Constant Wattage Heating Cable with Resistance Wire

The installation of this heating cable is highly cost-efficient with any kind of heat tracing application thanks to the single end power input. The heating cable consists of a succession of heating zones (length = contact spacing) and can be cut to length in sections of the contact distance to the required length. When cutting into lengths, the heating circuit is interrupted up to the next contact point and this non-active part can be used as a cold lead. During the design phase, one contact spacing length per planned heating circuit must be calculated additionally.

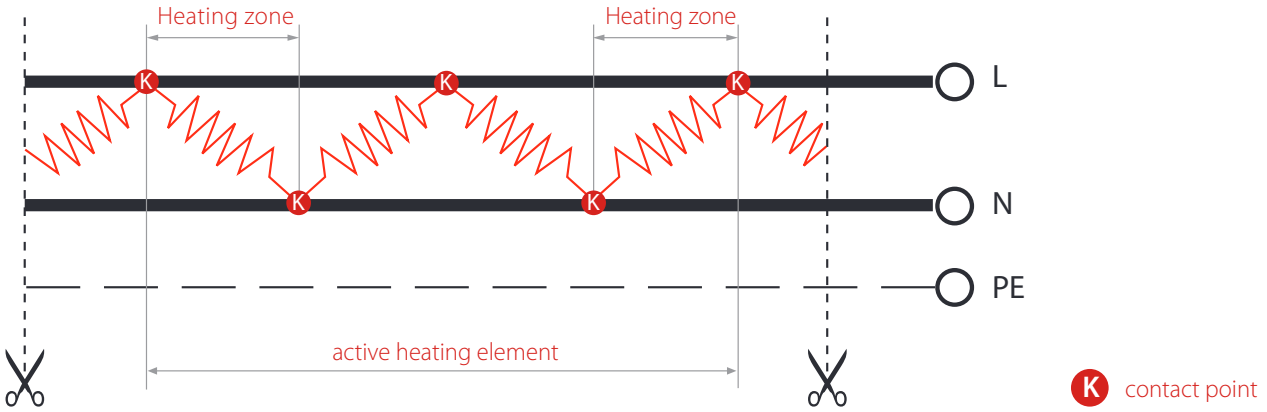
Checklist

Connection & end termination set

ELVB-ELPA2-25	ELVB-ELPA2-25 connection-set for ELP/Si, M25	091A052
EL-ECP2	Silicone-end cap transparent for ELP/Si up to 200°C	09112P3

Technical Information

Maximum withstand temperature	200 °C
Nominal voltage	230 VAC
Min. Bending radius	30 mm
Min. installation temperature	– 60 °C
Min. start up temperature	– 60 °C
Cross section bus wire	2 x 1.5 mm²
Moisture proof	Yes



Heating circuit length

Type	Length @ +50°C [m]	Length @ +150°C [m]
ELP/Si 10 BO 230	198.0	147.0
ELP/Si 20 BO 230	139.0	102.0
ELP/Si 30 BO 230	98.0	82.0
ELP/Si 40 BO 230	73.0	70.0

Note

- Heating circuit lengths ELP/Si on the following conditions:
  - 16 A circuit breaker, 80 % utilisation, start up temp. +10°C
  - Max. 10% voltage drop
  - Power connection to one (1) heater end
- Cables shall neither intersect nor contact.
- Provide protection by means of circuit breaker RCD 30 mA.
- Please observe the standards:
  - IEC 62395-2, EN 60519-10, EN 62395-2.

Order Information

Type	Nominal Power	Dimmension for 1.5 mm² [mm]	Contact spacing [m]	Weight (1.5mm²)ca. [g/m]	Article - No.
ELP/Si 10 BO 230	10 W/m	5.25 x 9.75	1.0	124	0320102
ELP/Si 20 BO 230	20 W/m	5.25 x 9.75	1.0	124	0320108
ELP/Si 30 BO 230	30 W/m	5.25 x 9.75	1.0	124	0320114
ELP/Si 40 BO 230	40 W/m	5.25 x 9.75	1.0	124	0320120

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