



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
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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.

Advantages:

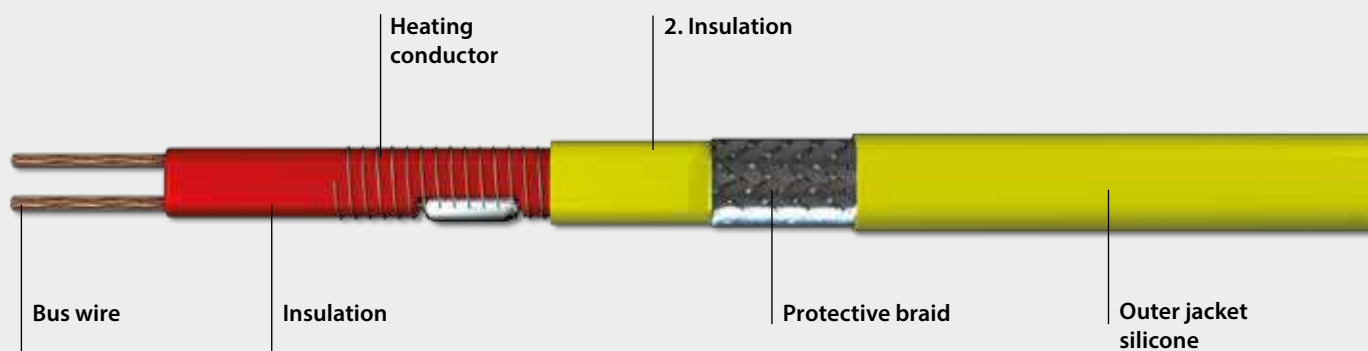
- Single end connection
- Can be cut off the roll
- Constant power output per meter
- Highly flexible

Applications:

- Vessels, piping, valves
- Food processing industry
- Frost protection and temperature maintenance on pumps, etc.



Type **ELP/Si** up to 200 °C





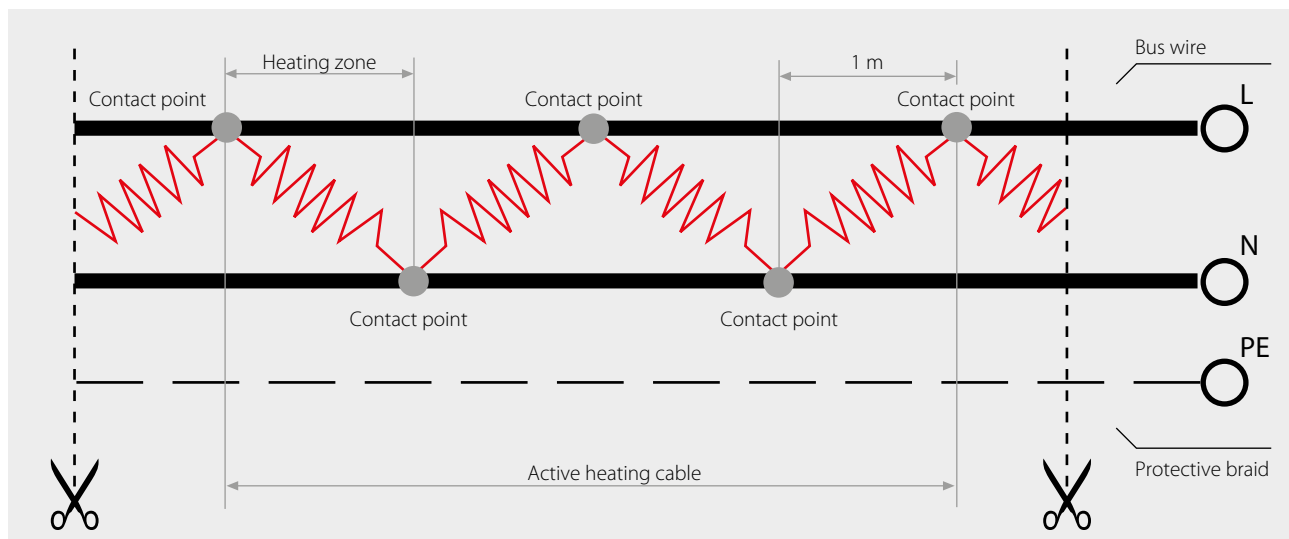
Technical Information

Type ELP/Si up to 200 °C

Data

Insulation	Silicone
Protective braid	Copper
Outer jacket	Silicone
Nominal temperature	200 °C
Moisture proof	Yes
Bending radius, min.	30 mm
Bus wire cross section	2 x 1.5 mm ²
Nominal voltage	230 V AC/DC
Installation temp., min.	-60 °C
Start-up temp., min	-60 °C

Cables shall neither intersect nor contact.
Provide protection by means of circuit breaker FI 30.
Please observe the standards IEC 62395-2, EN 60519-10.



Type	Nominal output	Dimensions approx. (mm)	Contact spacing (m)	Art. No.
ELP/Si 10 BO 230	10 W/m	5.25 x 9.75	1.0	0320102
ELP/Si 20 BO 230	20 W/m	5.25 x 9.75	1.0	0320108
ELP/Si 30 BO 230	30 W/m	5.25 x 9.75	1.0	0320114
ELP/Si 40 BO 230	40 W/m	5.25 x 9.75	1.0	0320120

Constant wattage heating cables up to nominal voltages of 120 V or 400 V are available upon request. Bus wire cross section 2 x 2 mm² upon request.

Maximum heating circuit length			
Type	W/m	Length (m) at 50 °C	Length (m) at 150 °C
ELP/Si 10 BO 230	10	198	147
ELP/Si 20 BO 230	20	139	102.5
ELP/Si 30 BO 230	30	98	82.5
ELP/Si 40 BO 230	40	73.5	70.5

Heating circuit lengths ELP/Si on the following conditions

- 16 A circuit breaker, 80 % utilisation
- Max. 10 % voltage drop
- Power connection to one (1) heater end



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