

Constant Wattage Heating Cable with Resistance Wire

These heating cables are particularly suitable for maintaining temperatures of up to +150 °C. Its great flexibility down to - 70°C means that this version is ideal for heat tracing in industrial refrigeration or in countries with very harsh climates.

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:

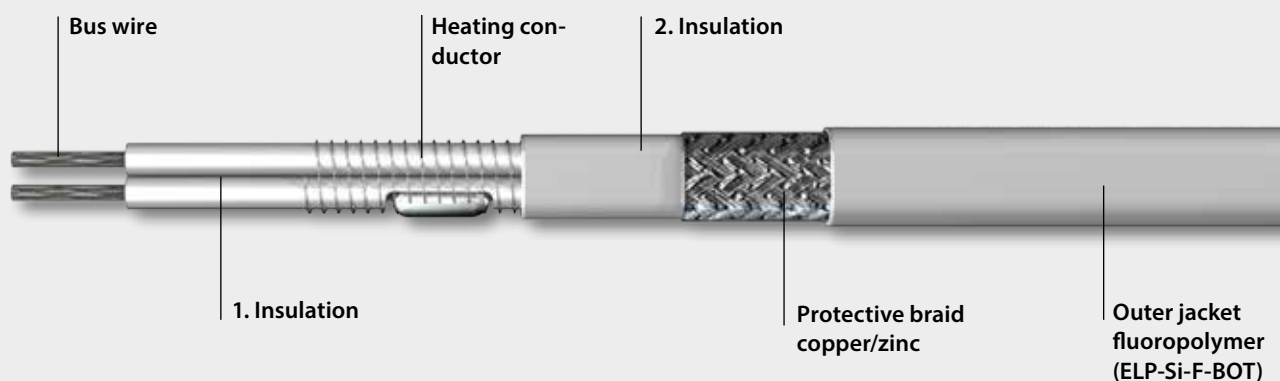
- Single end connection
- Can be cut off the roll
- Constant power output per meter
- Highly flexible

Applications:

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



Type ELP/Si-F up to 200 °C





Technical Information

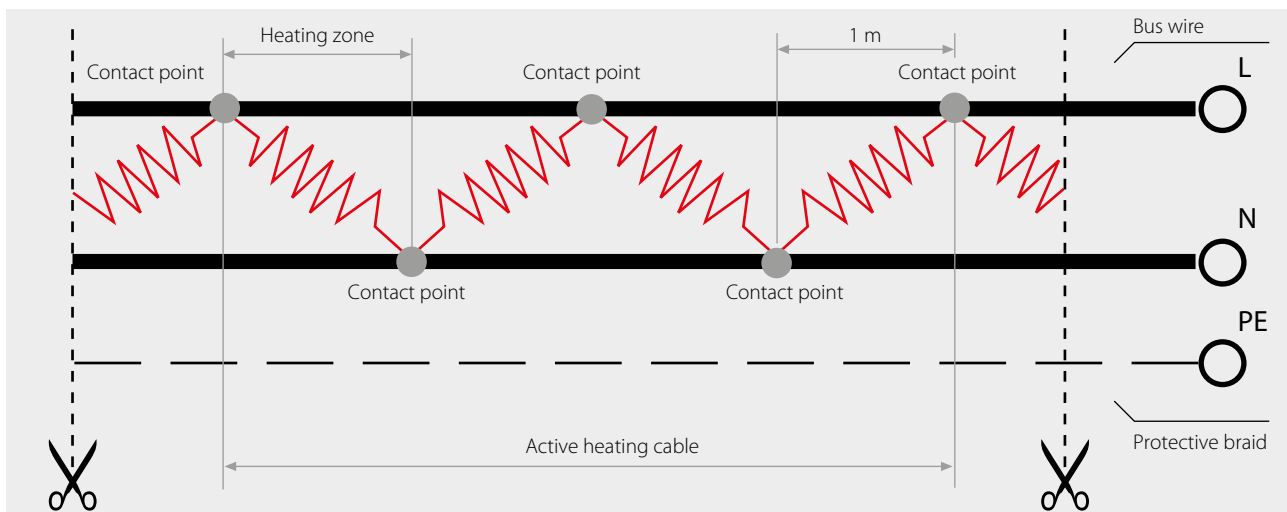
Type ELP/Si-F up to 200 °C

Data ELP/Si-F-B

■ Insulations	Silicone
■ Protective braid	Copper/zinc
■ Outer jacket	Silicone
■ Nominal voltage	230 V AC/DC or 400V AC/DC
■ Dimensions	6.5 x 10.5 mm
■ Permissible ambient temperature	-70...+200 °C
■ Bending radius, min.	30 mm
■ Bus wire cross section	2 mm ²
■ Installation temp., min.	-70 °C
■ Start-up temp., min	-70 °C

Data ELP/Si-F-BOT

■ Insulations	Silicone
■ Protective braid	Copper/zinc
■ Outer jacket	Fluoropolymer
■ Nominal voltage	230 V AC/DC or 400V AC/DC
■ Dimensions	7 x 10.5 mm
■ Permissible ambient temperature	-70...+200 °C
■ Bending radius, min.	30 mm
■ Bus wire cross section	2 mm ²
■ Installation temp., min.	-70 °C
■ Start-up temp., min	-70 °C



Maximum heating circuit length

Type	Nominal output (W/m)	Contact spacing (m)	Length (m) at 10 °C	Length (m) at 100 °C	Maximum maintenance temperature °C	Nominal voltage (V)	Art. No.
ELP/Si F 20 B	20	0.7	147	141	150	230	0320210
ELP/Si F 30 B	30	0.7	98	98	140	230	0320211
ELP/Si F 40 B	40	0.6	73.5	73.5	120	230	0320212
ELP/Si F 40 B	40	1.0	128	128	120	400	0320312
ELP/Si F 20 BOT	20	0.7	147	141	150	230	0320220
ELP/Si F 30 BOT	30	0.7	98	98	140	230	0320221
ELP/Si F 40 BOT	40	0.6	73.5	73.5	120	230	0320222
ELP/Si F 40 BOT	40	1.0	128	128	120	400	0320322

Heating circuit lengths ELP/Si-F on the following conditions

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

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.

Constant wattage heating cables up to nominal voltages of 120 V are available upon request.