

# Constant Wattage Heating Cable with Resistance Wire

These parallel heating cables offer tremendous flexibility in use, as they can easily be cut to the required length off the roll, with the assurance of constant power output. There is no need for a connecting cable and input can be unilateral. It is quick and easy to assemble; this saves a lot of time, and reduces costs considerably as a result. Since output of up to 60 W/m is possible for lengths laid to piping, ELP parallel heating cables are particularly suitable for piping with high output requirements such as in industrial process technology. The particularly temperature-resistant outer shell in Fluoropolymer and the high level of chemical resistance of the Fluoropolymer ensure a long useful life.

#### Advantages:

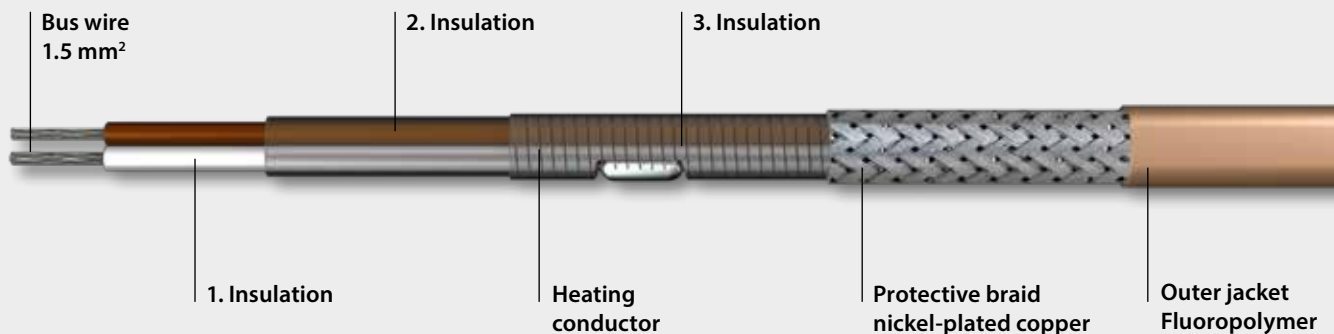
- Single end power input
- Can be cut off the roll
- Constant power output per meter
- Long life cycle
- Laying without exact measuring possible
- High chemical resistance
- UV resistance

#### Applications:

- Vessels, piping, valves
- Building construction
- Food processing industry
- Paper industry



Type ELP/PFA up to 260 °C



## Technical Information

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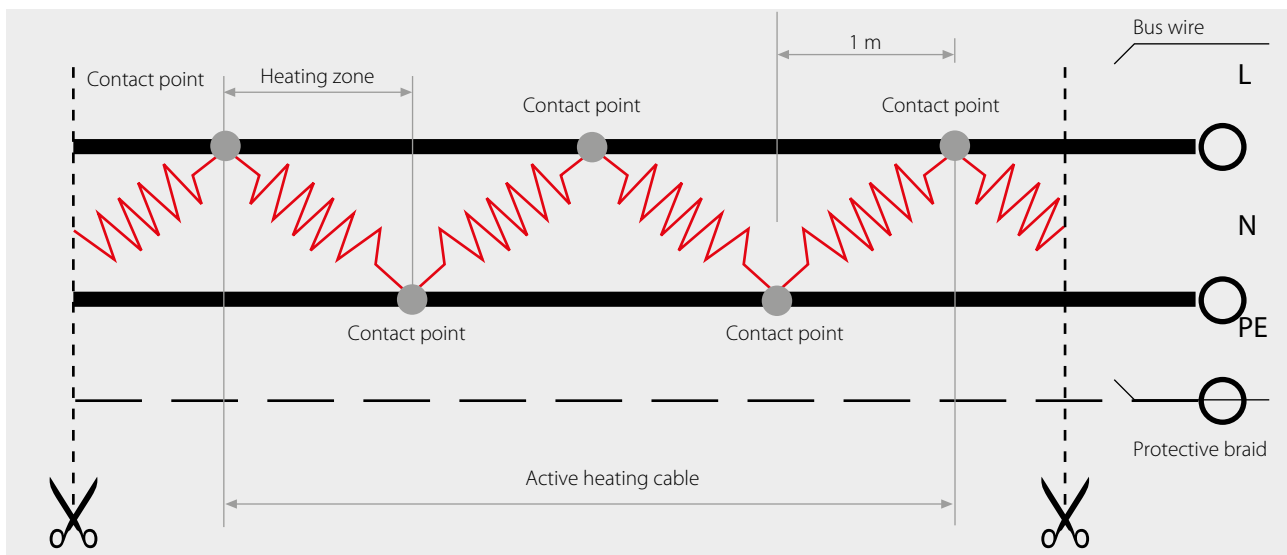
### Data

|                            |                         |
|----------------------------|-------------------------|
| ■ Insulations              | Fluoropolymer           |
| ■ Protective braid         | Nickel-plated copper    |
| ■ Outer jacket             | Fluoropolymer           |
| ■ Nominal temperature      | 260 °C                  |
| ■ Moisture proof           | Yes                     |
| ■ Bending radius, min.     | 25 mm                   |
| ■ Bus wire cross section   | 2 x 1.5 mm <sup>2</sup> |
| ■ Nominal voltage          | 230 V AC/DC             |
| ■ Installation temp., min. | -45 °C                  |
| ■ Start-up temp., min.     | -45 °C                  |

### Standards

|                             |  |
|-----------------------------|--|
| ■ Manufactured according to | DIN VDE 0721-52<br>EN 62395-1; 2007-05 |
| ■ Certificates              | 12ATEX1438U<br>IECEX EPS 12.0009U      |
| ■ Classification            | II 2G Ex e IIC Gb II 2D Ex tb IIIC Db  |

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 | Working temp. max | Dimensions approx. (mm) | Contact spacing (m) | Art. No. |
|----------------|----------------|-------------------|-------------------------|---------------------|----------|
| ELP/PFA 15 BOT | 15 W/m         | 205°C             | 8.0 x 5.5               | 1.0                 | B0332015 |
| ELP/PFA 30 BOT | 30 W/m         | 190°C             | 8.0 x 5.5               | 1.0                 | B0332030 |
| ELP/PFA 45 BOT | 45 W/m         | 175°C             | 8.0 x 5.5               | 1.0                 | B0332045 |
| ELP/PFA 60 BOT | 60 W/m         | 160°C             | 8.0 x 5.5               | 1.0                 | B0332060 |

Bus wire cross section 2 x 2 mm<sup>2</sup> upon request.

### Maximum heating circuit length

| Type           | W/m | Length (m) at 50 °C | Length (m) at 150 °C |
|----------------|-----|---------------------|----------------------|
| ELP/PFA 15 BOT | 15  | 161                 | 119                  |
| ELP/PFA 30 BOT | 30  | 98                  | 82.5                 |
| ELP/PFA 45 BOT | 45  | 65.5                | 65.5                 |
| ELP/PFA 60 BOT | 60  | 50                  | 50                   |

### Heating circuit lengths ELP/PFA on the following conditions

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