



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 as a result reduces cost considerably. 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 PFA and the high level of chemical resistance of the PFA 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

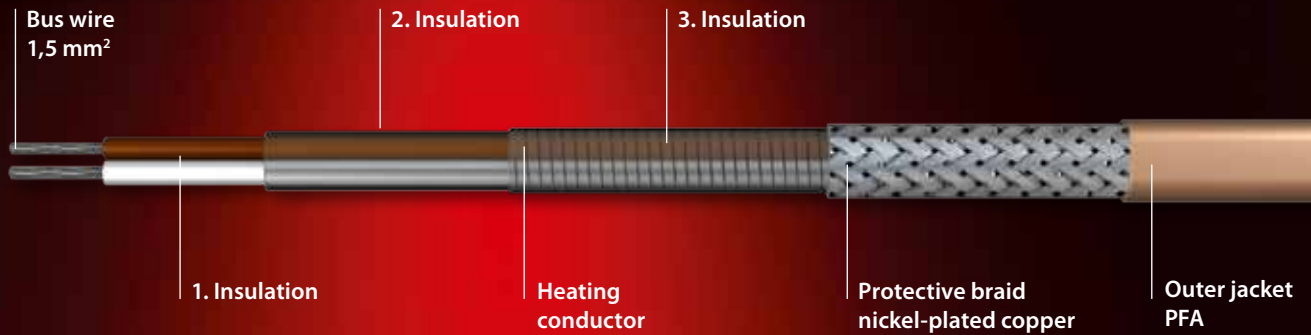
Applications:

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



Type **ELP/PFA** up to 260 °C





Technical information

Type ELP/PFA up to 260 °C

Data

| | |
|--------------------------|-------------------------|
| ■ Insulation | PFA |
| ■ Protective braid | nickel-plated copper |
| ■ Outer jacket | PFA |
| ■ Nominal temperature | 260 °C |
| ■ Moisture proof | yes |
| ■ Bending radius, min. | 25 mm |
| ■ Bus wire cross section | 2 x 1,5 mm ² |
| ■ Nominal voltage | 230 V AC/DC |

Standards

| | |
|-----------------------------|--|
| ■ Manufactured according to | DIN VDE 0721-52 EN 62395-1; 2007-05 |
| ■ VDE mark approval | 40034503 |
| ■ ATEX certificate | 12ATEX1438U |
| ■ Classification | II 2G Ex e IIC Gb II 2D Ex tb IIIC Db |

For suitable connection and termination kits please note our considerable accessories catalogue unit.

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 | 15 W/m | 205°C | 8,0 x 5,5 | 1,0 | B0332015 |
| ELP/PFA 30 | 30 W/m | 190°C | 8,0 x 5,5 | 1,0 | B0332030 |
| ELP/PFA 45 | 45 W/m | 175°C | 8,0 x 5,5 | 1,0 | B0332045 |
| ELP/PFA 60 | 60 W/m | 160°C | 8,0 x 5,5 | 1,0 | B0332060 |

Maximum heating circuit length

| Type | W/m | Length (m) at 50 °C | Length (m) at 150 °C |
|------------|-----|---------------------|----------------------|
| ELP/PFA 15 | 15 | 161 | 119 |
| ELP/PFA 30 | 30 | 98 | 82,5 |
| ELP/PFA 45 | 45 | 65,5 | 65,5 |
| ELP/PFA 60 | 60 | 50 | 50 |

Constant wattage heating cables up to nominal voltages of 50 V up to 750 V and nominal outputs up to 180 W/m are available upon request. Bus wire cross section 2 x 2 mm² upon request.

*given a utilization of 80 % 16 A and 10 % voltage drop.

