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.

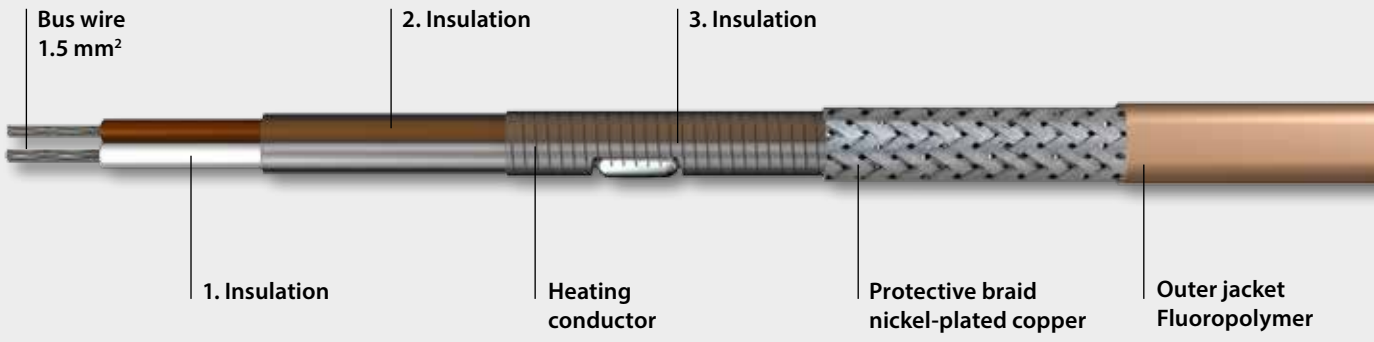
Advantages:

- 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

Type ELP/PFA up to 260 °C

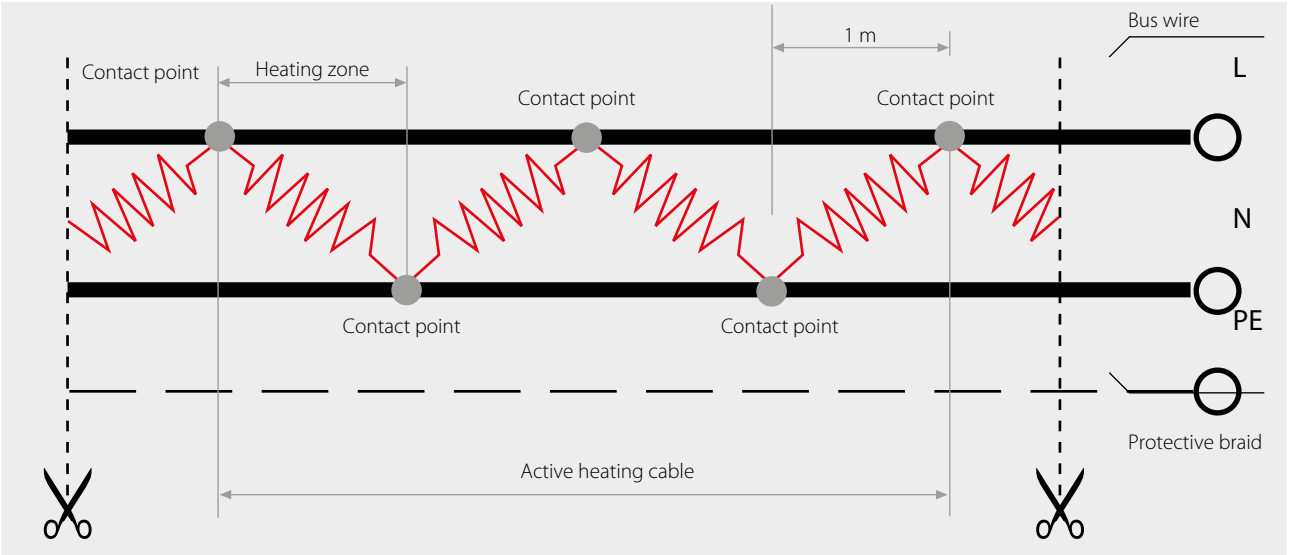
Data

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 mm²
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 EN 62395-1; 2007-05
Certificates	12ATEX1438U 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 mm² 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