

At a Glance

Applications



Freeze prevention



Temperature maintenance



Pipelines



Silos, vessels, tanks

- › Chemistry and Petrochemistry
- › Building construction
- › Food Processing Industry
- › Paper industry

Benefits

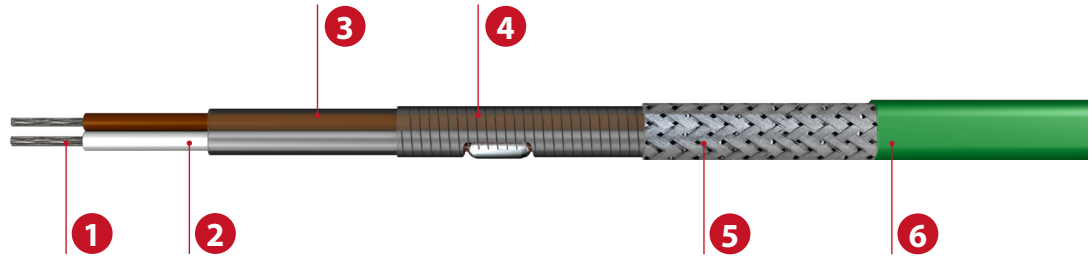
- › Single end power input
- › Can be cut to length
- › Constant power output per meter
- › Long life cycle
- › High chemical resistance



Approvals



ELP-FEP bis 200 °C



1	Bus wire	Copper
2	1 st insulation	Fluoropolymer
3	Heating conductor	Heating conductor alloy
4	2 nd insulation	Fluoropolymer
5	Protective braid	Copper, nickel-plated
6	Outer jacket	Fluoropolymer

Constant wattage trace heater 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 and the high level of chemical resistance ensure a long useful life.

Checklist

Connection & end termination set

ELVB-ELPA1-25	Connection-set for ELP/FEP, M25	091A050
EL-ECP1	Silicone-end cap transparent for ELP/FEP up to 200°C	09112P1



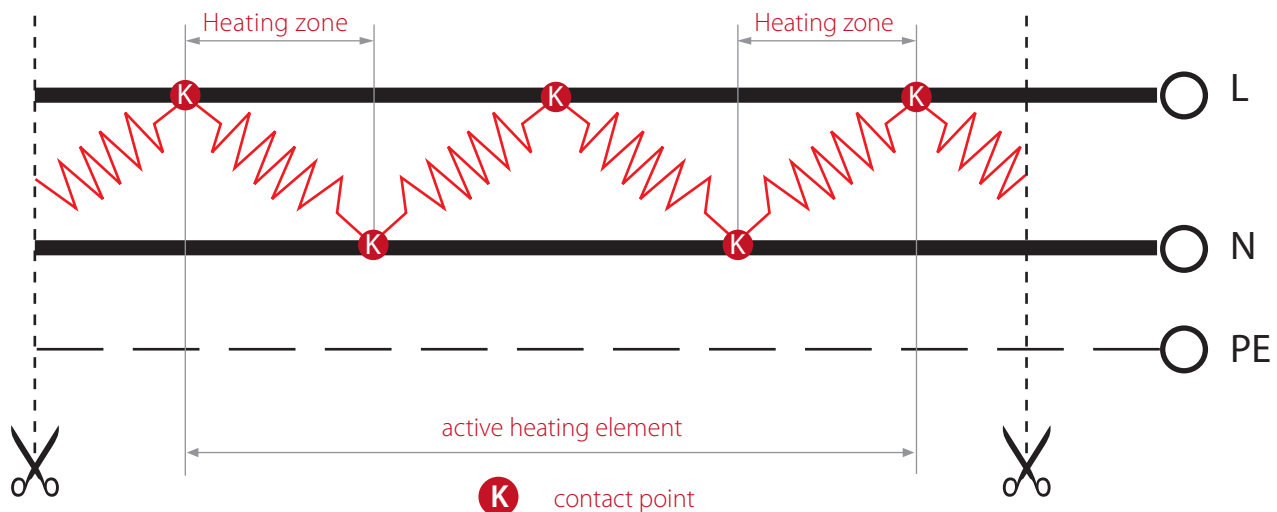
THORNE &
DERRICK
INTERNATIONAL

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Technical Information

Maximum withstand temperature	200 °C
Nominal voltage	230 VAC
Min. Bending radius	25 mm
Min. installation temperature	– 45 °C
Min. start up temperature	– 45 °C
Cross section bus wire	2 x 1.5 mm ²
Moisture proof	Yes

➤ Cross section 2 x 2 mm² on request..



Heating circuit length

Type	Power [W/m]	Length @ +50°C [m]	Length @ +150°C [m]
ELP/FEP 15 BO	15.0	161.0	119.0
ELP/FEP 30 BO	30.0	98.0	82.0
ELP/FEP 45 BO	45.0	65.0	62.0
ELP/FEP 60 BO	60.0	50.0	50.0

Note

- Heating circuit lengths ELP/FEP on the following conditions:
 - 16 A circuit breaker, 80 % utilisation, start up temp. +10°C
 - Max. 10% voltage drop
 - Power connection to one (1) heater end
- Cables shall neither intersect nor contact.
- Provide protection by means of circuit breaker RCD 30 mA.
- Please observe the standards:
 - IEC 62395-2, EN 60519-10, EN 62395-2.

Order Information

Type	Nominal Power	Maintain temperature max.	Dimmension for 1,5 mm ² [mm]	Contact spacing [m]	Weight (1,5mm ²) ca. [g/m]	Article - No.
ELP/FEP 15 BO	15 W/m	195 °C	8.0 x 5.5	1.0	100	B033201501
ELP/FEP 30 BO	30 W/m	180 °C	8.0 x 5.5	1.0	100	B033203001
ELP/FEP 45 BO	45 W/m	165 °C	8.0 x 5.5	1.0	100	B033204501
ELP/FEP 60 BO	60 W/m	150 °C	8.0 x 5.5	1.0	100	B033206001