



Heating cable highly robust

Factory terminated heating cable, suitable for use in overpressure and vacuum applications. Can be used as radiant heating with high output density. We provide engineering services from initial design up to turnkey project execution. Complete engineering up to commissioning.

Advantages:

- Factory terminated
- Hermetically sealed metal sheath
- Highly robust and mechanically stable
- Moisture proof
- Higher chemical resistance
- Higher working temperatures
- Higher output per meter

Applications:

- Moisture proof applications at high outputs and temperatures
- Can be immersed in fluids
- Heat tracing on piping
- Chemical & petrochemical industries
- Machinery and plant construction
- Equipment engineering
- Vacuum technology



Type **ELK-MI/VA** up to 600 °C





Heating conductor

Insulation
magnesium oxide

Outer jacket
VA 1.4541

Technical information

**Type ELK-MI/VA
up to 600 °C**

Data

■ Outer jacket	stainless steel 1.4541
■ Working temp., max.	600 °C
■ Nominal output	up to 250 W/m
■ Nominal voltage	up to 600 V AC
■ Cold lead, length	2 x 0,50 m
■ Cold lead, cross section	2,50 mm ²
■ Cable gland	brass M20 x 1,5
■ Protective conductor connection	integrated
■ IP rating	IP 65
■ Protection class	I
■ Bending radius	diameter x 5
■ Moisture proof	yes



A table of chemical resistances is available on our website www.eltherm.com.

Other cross sections and lengths of cold leads are available upon request.

Important: Avoid multiple bends with minimum bending radius (risk of cable damage).

No.	Diameter = mm	Resistance Ω/km
1	3,20	10.000
2	3,20	6.300
3	3,20	5.200
4	3,20	4.000
5	3,40	3.300
6	3,40	2.500
7	3,60	1.600
8	3,90	1.000
9	4,30	630
10	4,50	500
11	4,70	400
12	5,30	250
13	5,90	200
14	6,50	160
15	4,50	120

*Note: The output per meter of heating cable and the maximum possible working temperatures depend on the respective application. For individual cases, we recommend that you contact our engineers – we will be pleased to advise you.

This is just a summary of all available resistances. For further resistances, please contact us.

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