



PTFE-insulated heating cable

with protective braid and outer jacket

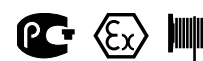
eltherm® heating cables type ELKM-AG-H can be perfectly applied for industrial applications on pipes, drums and their mounting parts. They can be used in stabilized and controlled operation according to EN 60079-30-2. Heating cables ELKM-AG-H are suitable for applications with higher level of mechanical stress (7 J).

Advantages:

- High chemical and very high mechanical resistance (7 J)
- Suitable for all industrial areas
- High operation temperature
- Can be used in fluids
- Easy to install, even on complex shapes
- High flexibility
- Resistant to steam purging

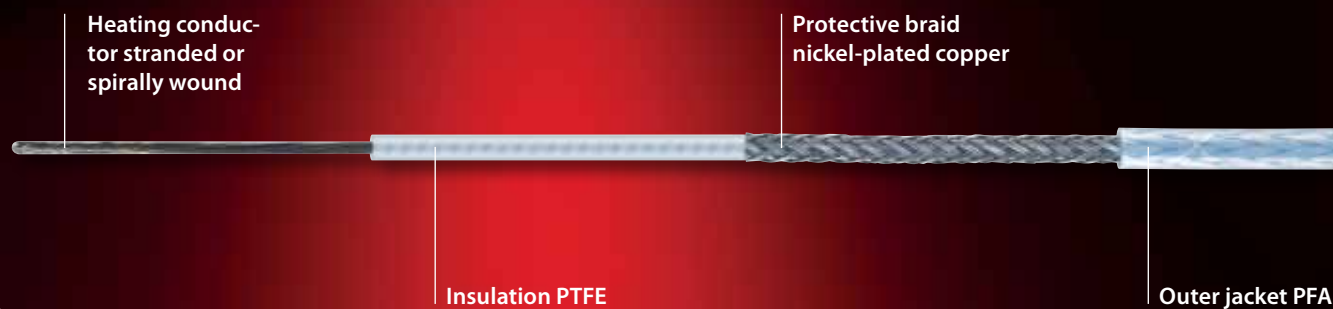
Applications, especially in hazardous areas: e.g.

- Tank heating
- Drum heating
- Filter heating
- Hopper heating
- Pipe, valve and pump heating
- Tank containers
- IBC's
- Heating hoods
- Automotive
- Paint shops



Type **ELKM-AG-H** up to 260°C





Technical information

Type ELKM-AG-H up to 260 °C

Data

■ Insulation	PTFE
■ Protective braid	nickel-plated copper
■ Outer jacket	PFA
■ Nominal voltage	550 V
■ Output, max.	30 W/m*
■ Operating temp., max.	260 °C
■ Bending radius, min.	2,5 x outer diameter
■ Installation temp., min.	-60 °C
■ Moisture proof	IP68
■ Impact resistance	7 Joule
■ Heat conductor	stranded, spirally wound for nominal resistance > 8,000 Ω/km

Standards

■ Manufactured according to	EN 60079-30-1
■ ATEX certificate	in preparation
■ Classification	II 2G Ex e IIC Gb II 2D Ex tb IIIC Db

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

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

Nominal resistance (Ω/km)	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 ⁻³ / K)	Art. No.
4,40 (Cu 4 mm ²)	6,8	68	4,30	01TA004H
7,20 (Cu 2,5 mm ²)	6,3	74	4,30	01TA007H
10,00	6	68	4,30	01TA010H
11,70 (Cu 1,5 mm ²)	5,9	66	4,30	01TA011H
15,00	5,7	58	4,30	01TA015H
25,00	5,6	55	3,00	01TA025H
31,50	5,9	64	1,60	01TA031H
50,00	5,6	56	1,60	01TA050H
65,00	5,4	53	1,60	01TA065H
80,00	5,7	48	0,90	01TA080H
100,00	5,6	58	0,90	01TA110H
157,00	5,6	53	0,45	01TA115H
180,00	5,3	48	0,90	01TA118H
200,00	5,4	44	0,45	01TA120H
260,00	5,3	49	0,45	01TA126H

Nominal resistance (Ω/km)	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 ⁻³ / K)	Art. No.
280,00	5,2	45	0,38	01TA128H
360,00	5,1	46	0,45	01TA138H
430,00	5,3	50	0,18	01TA143H
480,00	5,3	51	0,18	01TA148H
600,00	5,2	46	0,18	01TA160H
800,00	5,1	47	0,18	01TA180H
1000,00	5,2	50	0,04	01TA210H
1470,00	5	46	0,04	01TA214H
1750,00	5	43	0,04	01TA217H
1900,00	5,3	47	0,40	01TA219H
2900,00	5,1	47	0,40	01TA229H
4000,00	5	43	0,40	01TA240H
4700,00	5	40	0,15	01TA247H
6000,00	5	39	0,20	01TA260H
7000,00	5	38	0,15	01TA270H
8000,00	5	41	4,30	01TA280H

Weight tolerances are possible for manufacturing reasons.
Nominal resistances up to 1,500,000 Ω/km upon request.
Resistance tolerance: +/- 5 %.

For applications with fixed external diameter, please contact our engineers first.

Cables shall neither intersect nor contact.
Provide protection by means of circuit breaker FI 30mA.
Please observe the standards IEC 62395-2, EN 60519-10.