

# Fluoropolymer-insulated Heating Cable with Protective Braid + Outer Jacket

This versatile heating cable is used for frost protection and temperature maintenance, even under highly corrosive environmental conditions. The heating cable ELKM-AG-N is suited and approved for use in hazardous areas. It is highly flexible permitting its use in many fields of application.

## Advantages:

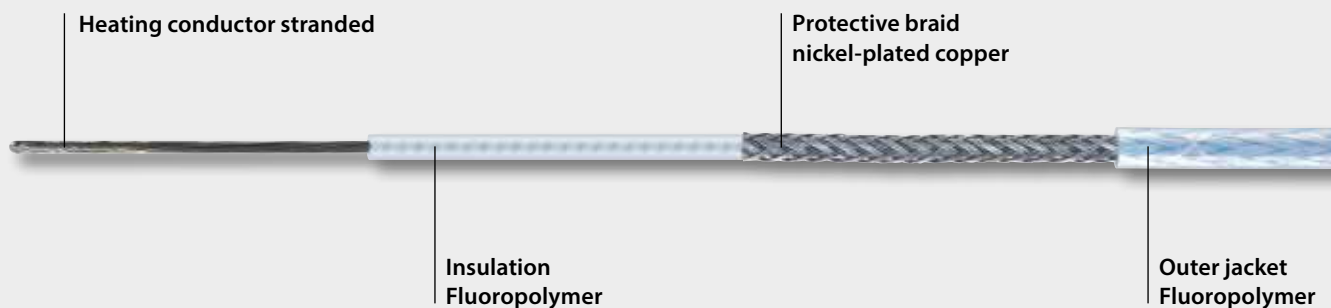
- High chemical and mechanical resistance
- Can be used in all industrial areas
- High operation temperature
- Can be used in liquids
- Easy to install, even on complex shapes
- Highly flexible
- Resistant to steam purging

## Applications, especially in Hazardous Areas: e.g.

- Heat tracing on tanks
- Heat tracing on vessels
- Heat tracing on filters
- Heat tracing on hoppers
- Pipe, valve and pump heating
- Tank containers
- IBC's
- Heating hoods
- Automotive
- Varnishing plants



Type **ELKM-AG-N** up to 260°C



## Technical Information

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### Data

■ Insulation	Fluoropolymer
■ Protective braid	Nickel-plated copper
■ Outer jacket	Fluoropolymer
■ Nominal voltage max.	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	4 Joule
■ Heat conductor	Stranded

### Standards

■ Manufactured according to	EN 60079-30-1
■ Certificate	EPS 19 ATEX 1 146 U
■ Classification	II 2G Ex 60079-30-1 IIC Gb II 2D Ex 60079-30-1 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.

Nominal resistance (Ω/km)	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 <sup>-3</sup> / K)	Art. No.
1.95 (Cu 10 mm <sup>2</sup> )	8.1	166	4.30	01TA002E
2.90 (Cu 6 mm <sup>2</sup> )	6.8	119	4.30	01TA003E
4.40 (Cu 4 mm <sup>2</sup> )	6.1	96	4.30	01TA004E
7.20 (Cu 2.5 mm <sup>2</sup> )	5.1	64	4.30	01TA007E
10.00	4.8	59	4.30	01TA010E
11.70 (Cu 1.5 mm <sup>2</sup> )	4.7	57	4.30	01TA011E
15.00	4.5	50	4.30	01TA015E
25.00	4.4	48	3.00	01TA025E
31.50	4.7	56	1.60	01TA031E
50.00	4.4	49	1.60	01TA050E
65.00	4.2	46	1.60	01TA065E
80.00	4.5	42	0.90	01TA080E
100.00	4.4	50	0.90	01TA110E
157.00	4.4	46	0.45	01TA115E
180.00	4.1	42	0.90	01TA118E
200.00	4.2	38	0.45	01TA120E
260.00	4.1	42	0.45	01TA126E

Nominal resistance (Ω/km)	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 <sup>-3</sup> / K)	Art. No.
280.00	4.0	39	0.38	01TA128E
328.00	4.1	40.1	0.45	01TA132E
360.00	3.9	40	0.45	01TA136E
430.00	4.1	43	0.18	01TA143E
480.00	4.1	44	0.18	01TA148E
600.00	4.0	40	0.18	01TA160E
800.00	3.9	41	0.18	01TA180E
1000.00	4.0	43	0.04	01TA210E
1470.00	3.8	40	0.04	01TA214E
1750.00	3.8	37	0.04	01TA217E
1900.00	3.5	41	0.40	01TA219E
2900.00	3.9	41	0.40	01TA229E
4000.00	3.8	37	0.40	01TA240E
4700.00	3.8	35	0.15	01TA247E
6000.00	3.8	34	0.20	01TA260E
7000.00	3.8	33	0.15	01TA270E
8000.00	3.8	36	0.15	01TA280E

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 EN 60079-30-2, EN 60519-10.