

Fluoropolymer-insulated Heating Cable with Protective Braid Cu/Ni

Use on apparatus, vessels, pipes, valves, etc., in which low bending radii also allow compact tracing on small components across the entire surface. We recommend our heating cable ELKM-AE with protective braid AE for unprotected use in corrosive environment.

This heating cable is also available without braid under the name ELKM-A – just ask us.

Advantages:

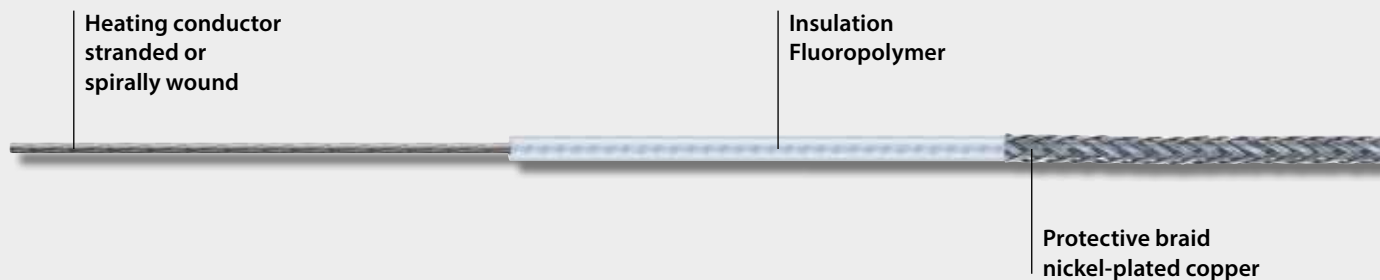
- Highly flexible
- Small bending radius
- High operation temperature
- High chemical resistance
- Moisture proof

Applications:

- Vessels, pipes, valves
- Small components
- Can be used in many industrial areas
- Rotor blades
- Marble plates



Type **ELKM-AS** up to 260 °C



Technical Information

Type ELKM-AS up to 260 °C

Data

| | |
|----------------------------|--|
| ■ Insulation | Fluoropolymer |
| ■ Protective braid | Nickel-plated copper |
| ■ Nominal voltage max. | 750 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 | Yes |
| ■ Heat conductor | Stranded, spirally wound for nominal resistance > 8,000 Ω/km |

***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 ⁻³ /K) | Art. No. |
|---------------------------------|-----------------------------------|----------------------------|---|----------|
| 1.95 (Cu 10 mm ²) | 7.11 | 157.0 | 4.30 | 0137000 |
| 2.90 (Cu 6 mm ²) | 5.99 | 104.9 | 4.30 | 0137002 |
| 4.40 (Cu 4 mm ²) | 4.73 | 69.8 | 4.30 | 0137004 |
| 7.20 (Cu 2.5 mm ²) | 3.89 | 48.3 | 4.30 | 0137007 |
| 10.00 | 3.62 | 40.6 | 4.30 | 0137009 |
| 11.70 (Cu 1.5 mm ²) | 3.53 | 37.6 | 4.30 | 0137010 |
| 15.00 | 3.20 | 33.6 | 4.30 | 0137012 |
| 25.00 | 3.15 | 31.1 | 3.00 | 0137016 |
| 31.50 | 3.55 | 38.6 | 1.60 | 0137020 |
| 50.00 | 3.15 | 31.3 | 1.60 | 0137030 |
| 65.00 | 3.04 | 28.6 | 1.60 | 0137032 |
| 80.00 | 3.32 | 34.5 | 0.90 | 0137038 |
| 100.00 | 3.11 | 31.0 | 0.90 | 0137042 |
| 157.00 | 3.10 | 31.2 | 0.45 | 0137045 |
| 180.00 | 2.84 | 25.8 | 0.90 | 0137052 |
| 200.00 | 2.98 | 28.2 | 0.45 | 0137054 |
| 260.00 | 2.87 | 26.3 | 0.45 | 0137058 |

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

| Nominal resistance Ω/km | Outer diameter approx. (mm) | Weight approx. (g/m) | Temperature coefficient (x 10 ⁻³ /K) | Art. No. |
|----------------------------|-----------------------------------|----------------------------|---|----------|
| 280.00 | 2.76 | 24.3 | 0.38 | 0137060 |
| 328.00 | 3.13 | 30.6 | 0.18 | 0137061 |
| 360.00 | 2.71 | 23.7 | 0.45 | 0137064 |
| 430.00 | 2.96 | 27.6 | 0.18 | 0137266 |
| 480.00 | 2.94 | 26.8 | 0.18 | 0137069 |
| 600.00 | 2.80 | 24.9 | 0.18 | 0137213 |
| 800.00 | 2.69 | 23.2 | 0.18 | 0137080 |
| 1000.00 | 2.81 | 24.9 | 0.04 | 0137082 |
| 1470.00 | 2.64 | 22.6 | 0.04 | 0137214 |
| 1750.00 | 2.66 | 22.3 | 0.04 | 0137094 |
| 1900.00 | 2.84 | 25.6 | 0.40 | 0137215 |
| 2900.00 | 2.68 | 23.1 | 0.40 | 0137219 |
| 4000.00 | 2.61 | 21.9 | 0.40 | 0137114 |
| 4700.00 | 2.55 | 21.6 | 0.15 | 0137118 |
| 6000.00 | 2.49 | 20.6 | 0.20 | 0137237 |
| 7000.00 | 2.43 | 19.9 | 0.15 | 0137126 |
| 8000.00 | 2.41 | 19.7 | 0.15 | 0137128 |

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 30.
Please observe the standards IEC 62395-2, EN 60519-10.