

At a Glance

Applications



Freeze prevention



Temperature maintenance



Pipelines



Valves, pumps



Silos, vessels, tanks

- › Vessels, pipes, valves
- › Small components
- › IBC's
- › Rotor blades
- › Many other industrial areas

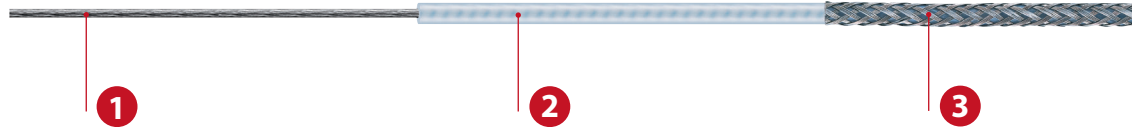
Benefits

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

Approvals



ELKM-AE up to 260 °C



1 Heating conductor	Heating conductor stranded or spirally wound
2 Insulation	Fluoropolymer
3 Protective braid	VA 1.4401 / SS 316

Checklist

Connection Set

ELVB26	Connection set for 1,5 mm ² & 2,5 mm ² cold lead	0911052
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Junction Boxes

ELAK-2	104 x 104 x 70 mm, Polycarbonate, IP 66	0920030
ELAK-5	122 x 120 x 90 mm, Polyester, IP 66, to 2 heating cables,	0920013
ELAK-R-1	Ø 150 mm, Height 125 mm, Thermoplastic, for star point	0920051
ELAK-R-2	Ø 150 mm, Height 125 mm, Thermoplastic	0920052

Temperature-resistant connection cable

ELKM-AE 11,70	cold lead 1,5mm ²	0137011
ELKM-AE 7,20	cold lead 2,5mm ²	0137006

Technical Information

Max. Operating temperature	260 °C
Max. Nominal Voltage	750 V
Max. Output	30 W/m*
Min. Bending radius	2.5 x outer diameter
Min. Installation temperature	– 60 °C
Heat conductor	stranded, spirally wound for nominal resistance > 8000 Ω/km

Heating cable data

Nominal resistance	Outer Ø approx.	Weight approx.	Temperature coefficient α	Art.-No.	Nominal resistance	Outer Ø approx.	Weight approx.	Temperature coefficient α	Art.-No.
[Ω/km]	[mm]	[g/m]	[x 10 ⁻³ / K]		[Ω/km]	[mm]	[g/m]	[x 10 ⁻³ / K]	
1,95 (Cu 10 mm ²)	6,97	130	4,30	0137001	280,00	2,60	15,6	0,38	0137230
2,90 (Cu 6 mm ²)	5,83	100	4,30	0137003	328,00	2,97	21,5	0,18	0137231
4,40 (Cu 4 mm ²)	4,57	70	4,30	0137005	360,00	2,55	14,9	0,45	0137065
7,20 (Cu 2,5 mm ²)	3,73	50	4,30	0137006	430,00	2,80	18,7	0,18	0137067
10,00	3,46	30	4,30	0137008	480,00	2,78	17,9	0,18	0137068
11,70 (Cu 1,5 mm ²)	3,37	30	4,30	0137011	600,00	2,64	16,1	0,18	0137232
15,00	3,04	30	4,30	0137013	800,00	2,53	14,5	0,18	0137081
25,00	2,99	30	3,00	0137017	1000,00	2,65	16,2	0,04	0137083
31,50	3,39	30	1,60	0137021	1470,00	2,48	13,9	0,04	0137233
50,00	2,90	22,2	1,60	0137031	1750,00	2,50	13,6	0,04	0137234
65,00	2,88	19,6	1,60	0137033	1900,00	2,68	11,6	0,40	0137235
80,00	3,16	25,4	0,90	0137039	2900,00	2,52	14,4	0,40	0137104
100,00	2,95	22,0	0,90	0137043	4000,00	2,45	13,3	0,40	0137115
157,00	2,94	22,1	0,45	0137044	4700,00	2,39	12,6	0,15	0137119
180,00	2,68	17,0	0,90	0137053	6000,00	2,33	12,0	0,20	0137236
200,00	2,82	19,3	0,45	0137055	7000,00	2,27	11,4	0,15	0137127
260,00	2,71	17,4	0,45	0137059	8000,00	2,25	11,1	0,15	0137121

- Weight tolerances are possible for manufacturing reasons.
- Resistance tolerance: +/- 5 %..
- Other nominal resistances upon request.

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 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.