

At a Glance

Applications



Freeze prevention



Temperature maintenance



Pipelines



Valves, pumps



Silos, vessels, tanks

- › Vessels, pipes, valves
- › Small components
- › Industrial areas
- › Rotor blades
- › Marble plates

Benefits

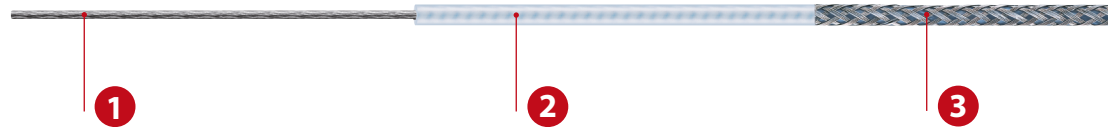
- › Highly flexible
- › High operation temperature
- › Small bending radius
- › High chemical resistance
- › Moisture proof

Approvals



- › Made in accordance with DIN VDE 0253

ELKM-AS up to 260 °C



1 Heating conductor	stranded or spirally wound
2 Insulation	Fluoropolymer
3 Protective braid	Nickel plated copper

Checklist

Connection Set

ELVB26	Connection set for 1,5 mm ² & 2,5 mm ² Cold lead	0911052
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Junction Box

ELAK-2	104 x 104 x 70 mm, Polycarbonat, IP 66	0920030
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Temperature-resistant connection cable

ELKM-AS 11,70	Cold lead 1,5mm ²	0137010
ELKM-AS 7,20	Cold lead 2,5mm ²	0137007



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)	7,11	157,0	4,30	0137000	280,00	2,76	24,3	0,38	0137060
2,90 (Cu 6 mm ²)	5,99	104,9	4,30	0137002	328,00	3,13	30,6	0,18	0137061
4,40 (Cu 4 mm ²)	4,73	69,8	4,30	0137004	360,00	2,71	23,7	0,45	0137064
7,20 (Cu 2,5 mm ²)	3,89	48,3	4,30	0137007	430,00	2,96	27,6	0,18	0137266
10,00	3,62	40,6	4,30	0137009	480,00	2,94	26,8	0,18	0137069
11,70 (Cu 1,5 mm ²)	3,53	37,6	4,30	0137010	600,00	2,80	24,9	0,18	0137213
15,00	3,20	33,6	4,30	0137012	800,00	2,69	23,2	0,18	0137080
25,00	3,15	31,1	3,00	0137016	1000,00	2,81	24,9	0,04	0137082
31,50	3,55	38,6	1,60	0137020	1470,00	2,64	22,6	0,04	0137214
50,00	3,15	31,3	1,60	0137030	1750,00	2,66	22,3	0,04	0137094
65,00	3,04	28,6	1,60	0137032	1900,00	2,84	25,6	0,40	0137215
80,00	3,32	34,5	0,90	0137038	2900,00	2,68	23,1	0,40	0137219
100,00	3,11	31,0	0,90	0137042	4000,00	2,61	21,9	0,40	0137114
157,00	3,10	31,2	0,45	0137045	4700,00	2,55	21,6	0,15	0137118
180,00	2,84	25,8	0,90	0137052	6000,00	2,49	20,6	0,20	0137237
200,00	2,98	28,2	0,45	0137054	7000,00	2,43	19,9	0,15	0137126
260,00	2,87	26,3	0,45	0137058	8000,00	2,41	19,7	0,15	0137128

- 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.