

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

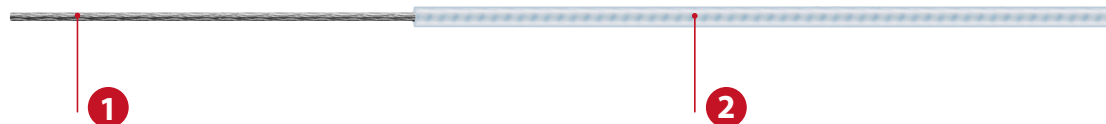
- › Highly flexible
- › High operation temperature
- › Small bending radius
- › High chemical resistance
- › Moisture proof

Approvals



- › Made in accordance with DIN VDE 0253

ELKM-A up to 260 °C



- | | |
|----------------------------|----------------------------|
| 1 Heating conductor | stranded or spirally wound |
| 2 Insulation | Fluoropolymer |

Technical Information

Max. Operating temperature (switched on)	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

Checklist

Connection Set		
ELVB22	Connection set for 1.5 mm² cold lead	0911048
Junction Box		
ELAK-2	104 x 104 x 70 mm, Polycarbonat, IP 66	0920030
Temperature-resistant connection cable		
ELKM-A 11,70	Cold lead 1.5mm²	0136010



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	5,8	112	4,30	0136002	280,00	2,1	10	0,38	0136059
2,90	4,6	73	4,30	0136006	328,00	2,5	16	0,18	0136061
4,40	4,2	54	4,30	0136004	360,00	2,1	10	0,45	0136064
7,20	3,1	33	4,30	0136007	430,00	2,3	13	0,18	0136066
10,00	3,0	31	4,30	0136008	480,00	2,2	12	0,18	0136068
11,70	2,7	30	4,30	0136010	600,00	2,1	10	0,18	0136076
15,00	2,6	19	4,30	0136012	800,00	2,0	9	0,18	0136080
25,00	2,5	17	3,00	0136016	1000,00	2,1	10	0,04	0136082
31,50	2,9	23	1,60	0136020	1470,00	2,1	9	0,04	0136092
50,00	2,6	17	1,60	0136030	1750,00	2,0	8	0,04	0136094
65,00	2,4	14	1,60	0136032	1900,00	2,2	12	0,04	0136096
80,00	2,7	20	0,90	0136038	2900,00	2,1	9	0,04	0136104
100,00	2,5	17	0,90	0136042	4000,00	2,0	8	0,04	0136114
157,00	2,5	17	0,45	0136049	4700,00	1,9	8	0,15	0136118
180,00	2,2	12	0,90	0136052	6000,00	1,9	7	0,20	0136124
200,00	2,4	14	0,45	0136054	7000,00	2,0	7	0,15	0136126
260,00	2,2	12	0,45	0136058	8000,00	2,0	7	0,15	0136128

- › 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.

