eltherm®
innovations in heat tracing

PTFE 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 braiding 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	PTFE
Protective braid	nickel-plated copper
Nominal voltage max.	750 V
Output, max.	30 W/m*
Working temperature, 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

Standards

Manufactured according to	DIN VDE 0253

For suitable connection and termination kits please note our considerable accessories catalogue unit.

*Note: The output per meter of heating cable and the maximum possible working 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)	Item n°
1,95 (Cu 10 mm²)	7,11	157,0	4,30	0137000
2,90 (Cu 6 mm²)	5,99	104,9	4,30	0137002
4,4 (Cu 4 mm²)	4,73	69,8	4,30	0137004
7,20 (Cu 2,5 mm²)	3,89	48,3	4,30	0137007
10	3,62	40,6	4,30	0137009
11,70 (Cu 1,5 mm²)	3,53	37,6	4,30	0137010
15	3,20	33,6	4,30	0137012
25	3,15	31,1	3,00	0137016
31,5	3,55	38,6	1,60	0137020
50	3,15	31,3	1,60	0137030
65	3,04	28,6	1,60	0137032
80	3,32	34,5	0,90	0137038
100	3,11	31,0	0,90	0137042
157	3,10	31,2	0,45	0137045
180	2,84	25,8	0,90	0137052
200	2,98	28,2	0,45	0137054
260	2,87	26,3	0,45	0137058

Nominal resistance Ω/km	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10^{-3}/K)	Item n°
280	2,76	24,3	0,38	0137060
328	3,13	30,6	0,18	0137061
360	2,71	23,7	0,45	0137064
430	2,96	27,6	0,18	0137266
480	2,94	26,8	0,18	0137069
600	2,80	24,9	0,18	0137213
800	2,69	23,2	0,18	0137080
1000	2,81	24,9	0,04	0137082
1470	2,64	22,6	0,04	0137214
1750	2,66	22,3	0,04	0137094
1900	2,84	25,6	0,40	0137215
2900	2,68	23,1	0,40	0137219
4000	2,61	21,9	0,40	0137114
4700	2,55	21,6	0,15	0137118
6000	2,49	20,6	0,20	0137237
7000	2,43	19,9	0,15	0137126
8000	2,41	19,7	0,15	0137128

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