



- **Highly flexible**
- **Can be used in almost all industrial areas**
- **Lowest bending radius**
- **Very high working temperature**
- **High chemical resistance**
- **Moisture protected**

**Applications:**

For use on devices, receptacles, pipes, valves etc., in which low bending radius also allow compact tracing on small components across the entire surface. The heating cable is also available with corrosion-proof braiding consisting of SS AISI 304 which is named ELKM-AE.

This heating cable is also available without braiding under the name ELKM-A for use in devices and under metallic covers.

**Technical Data:**

Insulation	.....PTFE
Protective braiding	..... Cu nickel-plated on ELKM-AS ..... SS AISI 304 on ELKM-AE
Nominal voltage	..... 500V
Max. loading	..... 30W/m*
Operating temperature max	.....260°C when switched off
Min bending radius	.....5 x External-Ø
Min installation temperature	..... -50°C
Moisture protected	.....Yes

**Standards:**

Manufactured acc. to	.....DIN VDE 0253
Short term	.....NH5Y11Q220
VDE-reg no.	..... 7 615 (ELKM-AS)

\*Information: The output per meter of heating cable and the maximum possible working temperatures depend on the respective application. We recommend that you contact our engineers on an individual basis - we will gladly assist you.



**ELKM-AS**

Nominal Resistance (Ω/km)	OD (mm)	Heating cable design	Temperature coefficient (1/K) at 105°C	Part no.
1.95	5.68	Stranded	0.00430	137001
2.90	4.78	Stranded	0.00430	137003
4.40	4.18	Stranded	0.00430	137005
7.20	3.68	Stranded	0.00430	137006
10.00	3.38	Stranded	0.00430	137008
11.70	3.28	Stranded	0.00430	137011
15.00	3.08	Stranded	0.00430	137013
25.00	2.98	Stranded	0.00300	137017
31.50	3.28	Stranded	0.00160	137021
50.00	2.98	Stranded	0.00160	137031
65.00	2.78	Stranded	0.00160	137033
80.00	3.08	Stranded	0.00090	137039
100.00	2.98	Stranded	0.00090	137043
157.00	2.98	Stranded	0.00045	137044
180.00	2.68	Stranded	0.00090	137053
200.00	2.78	Stranded	0.00045	137055
260.00	2.68	Stranded	0.00045	137059
280.00	2.58	Stranded	0.00038	137230
328.00	2.88	Stranded	0.00018	137231
360.00	2.48	Stranded	0.00045	137084
430.00	2.68	Stranded	0.00018	137067
480.00	2.68	Stranded	0.00018	137068
600.00	2.58	Stranded	0.00018	137232
800.00	2.48	Stranded	0.00018	137081
1000.00	2.58	Stranded	0.00004	137083
1470.00	2.38	Stranded	0.00004	137233
1750.00	2.38	Stranded	0.00004	137234
1900.00	2.68	Stranded	0.00040	137235
2900.00	2.48	Stranded	0.00040	137104
4000.00	2.38	Stranded	0.00040	137115
4700.00	2.28	Stranded	0.00015	137119
6000.00	2.18	Stranded	0.00020	137236
7000.00	2.18	Stranded	0.00015	137127
8000.00	2.18	Stranded	0.00015	137121

Further resistances up to 1,500,000 Ω/Km upon request.

Termination Kit	Description	Part no.
ELKM-A/AS-AE/AG	For cold cable	7399125

October 2012  
01071 ENG