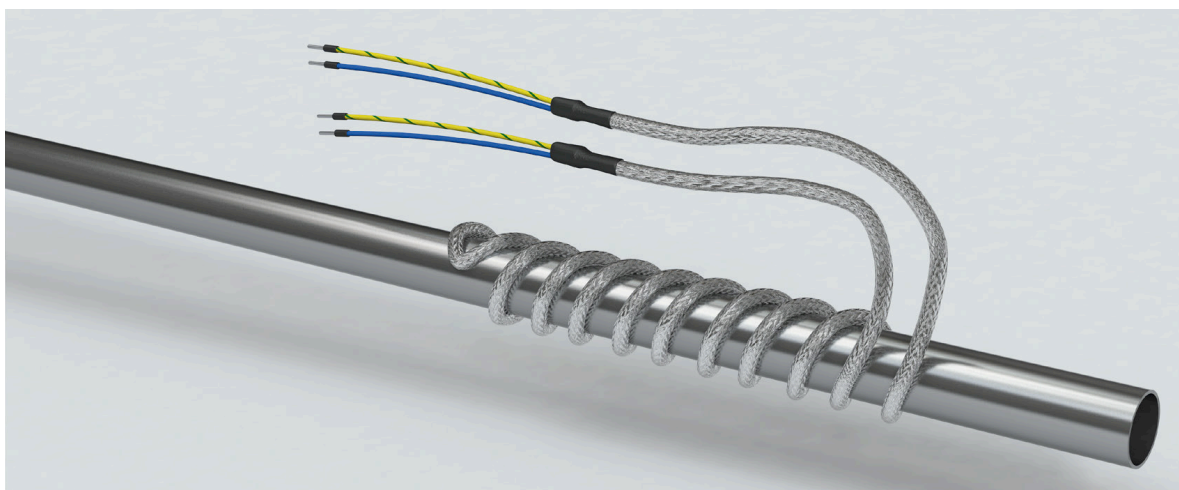


**VARMEKABLER**

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**VARMEKABEL  
HØJTEMPERATUR 260C**

# FLUOROPOLYMER-INSULATED HEATING CABLE

Use on apparatus, vessels, pipes, valves, etc., in which low bending radii also allow compact tracing on small components across the entire surface.

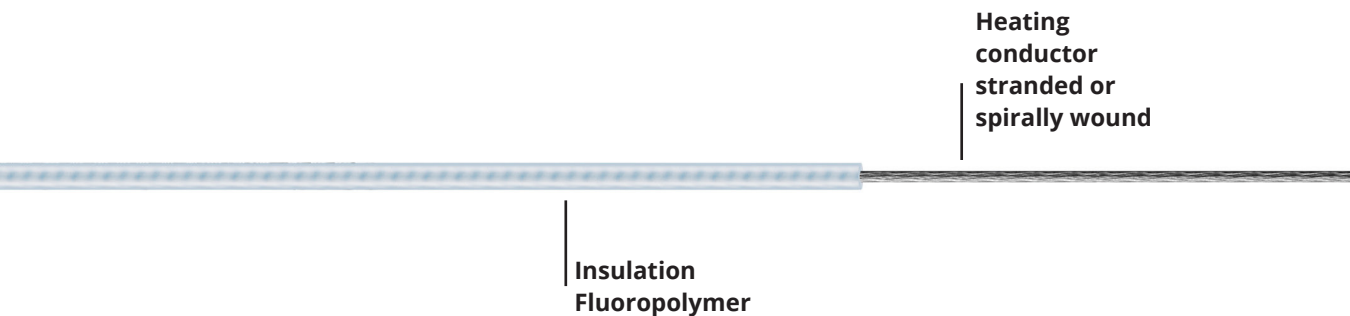
## ADVANTAGES:

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

## APPLICATIONS:

- Vessels, piping, valves
- Small components
- Can be used in many industrial areas
- Rotor blades
- Marble plates

## TYPE ELKM-A UP TO 260 °C



# TECHNICAL INFORMATION

## DATA

■ Insulation	Fluoropolymer
■ Nominal voltage max.	750 V
■ Output, max.	30 W/m*
■ Operating temp., 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

## STANDARD

■ Manufactured according to	DIN VDE 0253
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\*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.

Nominal resistance Ω/km	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 <sup>-3</sup> /K)	Art. No.
1.95	5.8	112	4.30	0136002
2.90	4.6	73	4.30	0136006
4.40	4.2	54	4.30	0136004
7.20	3.1	33	4.30	0136007
10.00	3.0	31	4.30	0136008
11.70	2.7	30	4.30	0136010
15.00	2.6	19	4.30	0136012
25.00	2.5	17	3.00	0136016
31.50	2.9	23	1.60	0136020
50.00	2.6	17	1.60	0136030
65.00	2.4	14	1.60	0136032
80.00	2.7	20	0.90	0136038
100.00	2.5	17	0.90	0136042
157.00	2.5	17	0.45	0136049
180.00	2.2	12	0.90	0136052
200.00	2.4	14	0.45	0136054
260.00	2.2	12	0.45	0136058

Nominal resistance Ω/km	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 <sup>-3</sup> /K)	Art. No.
280.00	2.1	10	0.38	0136059
328.00	2.5	16	0.18	0136061
360.00	2.1	10	0.45	0136064
430.00	2.3	13	0.18	0136066
480.00	2.2	12	0.18	0136068
600.00	2.1	10	0.18	0136076
800.00	2.0	9	0.18	0136080
1000.00	2.1	10	0.04	0136082
1470.00	2.1	9	0.04	0136092
1750.00	2.0	8	0.04	0136094
1900.00	2.2	12	0.04	0136096
2900.00	2.1	9	0.04	0136104
4000.00	2.0	8	0.04	0136114
4700.00	1.9	8	0.15	0136118
6000.00	1.9	7	0.20	0136124
7000.00	2.0	7	0.15	0136126
8000.00	2.0	7	0.15	0136128

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.

# FLUOROPOLYMER-INSULATED **NEWTRONIC** 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 braid under the name ELKM-A – just ask us.

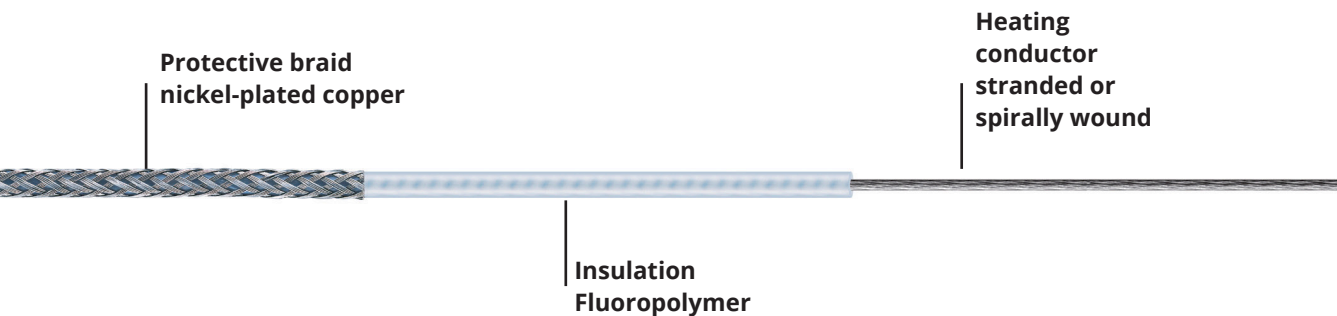
## ADVANTAGES:

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

## APPLICATIONS:

- Vessels, piping, valves
- Small components
- Can be used in many industrial areas
- Rotor blades
- Marble plates

## TYPE ELKM-AS UP TO 260 °C



# TECHNICAL INFORMATION

## DATA

■ Insulation	Fluoropolymer
■ Protective braid	Nickel-plated copper
■ Nominal voltage max.	750 V
■ Output, max.	30 W/m*
■ Operating temp., 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

## STANDARD

■ Manufactured according to	DIN VDE 0253
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**\*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.

Nominal resistance Ω/km	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 <sup>-3</sup> /K)	Art. No.
1.95 (Cu 10 mm <sup>2</sup> )	7.11	157.0	4.30	0137000
2.90 (Cu 6 mm <sup>2</sup> )	5.99	104.9	4.30	0137002
4.40 (Cu 4 mm <sup>2</sup> )	4.73	69.8	4.30	0137004
7.20 (Cu 2.5 mm <sup>2</sup> )	3.89	48.3	4.30	0137007
10.00	3.62	40.6	4.30	0137009
11.70 (Cu 1.5 mm <sup>2</sup> )	3.53	37.6	4.30	0137010
15.00	3.20	33.6	4.30	0137012
25.00	3.15	31.1	3.00	0137016
31.50	3.55	38.6	1.60	0137020
50.00	3.15	31.3	1.60	0137030
65.00	3.04	28.6	1.60	0137032
80.00	3.32	34.5	0.90	0137038
100.00	3.11	31.0	0.90	0137042
157.00	3.10	31.2	0.45	0137045
180.00	2.84	25.8	0.90	0137052
200.00	2.98	28.2	0.45	0137054
260.00	2.87	26.3	0.45	0137058

Nominal resistance Ω/km	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 <sup>-3</sup> /K)	Art. No.
280.00	2.76	24.3	0.38	0137060
328.00	3.13	30.6	0.18	0137061
360.00	2.71	23.7	0.45	0137064
430.00	2.96	27.6	0.18	0137266
480.00	2.94	26.8	0.18	0137069
600.00	2.80	24.9	0.18	0137213
800.00	2.69	23.2	0.18	0137080
1000.00	2.81	24.9	0.04	0137082
1470.00	2.64	22.6	0.04	0137214
1750.00	2.66	22.3	0.04	0137094
1900.00	2.84	25.6	0.40	0137215
2900.00	2.68	23.1	0.40	0137219
4000.00	2.61	21.9	0.40	0137114
4700.00	2.55	21.6	0.15	0137118
6000.00	2.49	20.6	0.20	0137237
7000.00	2.43	19.9	0.15	0137126
8000.00	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.

# FLUOROPOLYMER-INSULATED **NEWTRONIC** HEATING CABLE WITH PROTECTIVE BRAID + OUTER JACKET

This versatile heating cable is used for frost protection and temperature maintenance, even under highly corrosive environmental conditions. The heating cable ELKM-AG-N is suited and approved for use in hazardous areas. It is highly flexible permitting its use in many fields of application.

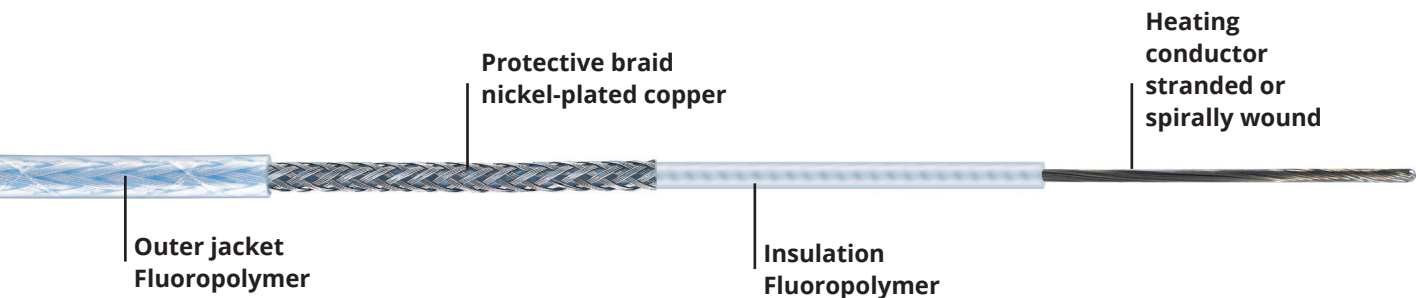
## ADVANTAGES:

- Factory terminated
- High chemical and mechanical resistance
- Can be used in all industrial areas
- High operation temperature
- Easy to install, even on complex shapes
- Highly flexible
- Resistant to steam purging

## APPLICATIONS:

- Heat tracing on tanks
- Heat tracing on vessels
- Heat tracing on filters
- Heating satellite dishes
- Heat tracing on hoppers
- Pipe, valve and pump heating
- Automotive
- Tank containers
- IBC's
- Heating hoods

## TYPE ELKM-AG-L UP TO 260 °C



# TECHNICAL INFORMATION

## DATA

■ Insulation	Fluoropolymer
■ Protective braid	Nickel-plated copper
■ Outer jacket	Fluoropolymer
■ Nominal voltage max.	750 V
■ Output, max.	30 W/m*
■ Operating temp., max.	260 °C
■ Bending radius, min.	2.5 x outer diameter
■ Installation temp., min.	Up to -60 °C
■ Moisture proof	Yes
■ Heat conductor	Stranded, spirally wound for nominal resistance > 8,000 Ω/km

## STANDARD

■ Manufactured according to	DIN VDE 0253
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**\*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.

Nominal resistance (Ω/km)	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 <sup>-3</sup> / K)	Art. No.
1.95 (Cu 10 mm <sup>2</sup> )	7.7	156	4.30	01TT002E
2.90 (Cu 6 mm <sup>2</sup> )	6.4	110	4.30	01TT003E
4.40 (Cu 4 mm <sup>2</sup> )	5.6	85	4.30	01TT004E
7.20 (Cu 2.5 mm <sup>2</sup> )	4.5	53	4.30	01TT007E
10.00	4.2	51	4.30	01TT010E
11.70 (Cu 1.5 mm <sup>2</sup> )	4.1	48	4.30	01TT011E
15.00	3.9	44	4.30	01TT015E
25.00	3.8	43	3.00	01TT025E
31.50	4.1	45	1.60	01TT031E
50.00	3.8	43	1.60	01TT050E
65.00	3.6	42	1.60	01TT065E
80.00	3.9	55	0.90	01TT080E
100.00	3.8	53	0.90	01TT110E
157.00	3.8	40	0.45	01TT115E
180.00	3.5	38	0.90	01TT118E
200.00	3.6	39	0.45	01TT120E
260.00	3.5	38	0.45	01TT126E

Nominal resistance (Ω/km)	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 <sup>-3</sup> / K)	Art. No.
280.00	3.4	35	0.38	01TT128E
328.00	3.78	35.2	0.45	01TT132E
360.00	3.3	33	0.45	01TT136E
430.00	3.5	38	0.18	01TT143E
480.00	3.5	39	0.18	01TT148E
600.00	3.4	35	0.18	01TT160E
800.00	3.3	34	0.18	01TT180E
1000.00	3.4	35	0.04	01TT210E
1470.00	3.2	40	0.04	01TT214E
1750.00	3.2	38	0.04	01TT217E
1900.00	3.5	39	0.40	01TT219E
2900.00	3.3	32	0.40	01TT229E
4000.00	3.2	31	0.40	01TT240E
4700.00	3.2	31	0.15	01TT247E
6000.00	3.2	38	0.20	01TT260E
7000.00	3.2	36	0.15	01TT270E
8000.00	3.2	33	0.15	01TT280E

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.

# FLUOROPOLYMER-INSULATED HEATING CABLE WITH PROTECTIVE BRAID + OUTER JACKET

This versatile, factory terminated, heating cable is used for frost protection and temperature maintenance, even under highly corrosive environmental conditions which means this heating cable can be used for an extremely wide variety of applications.

## ADVANTAGES:

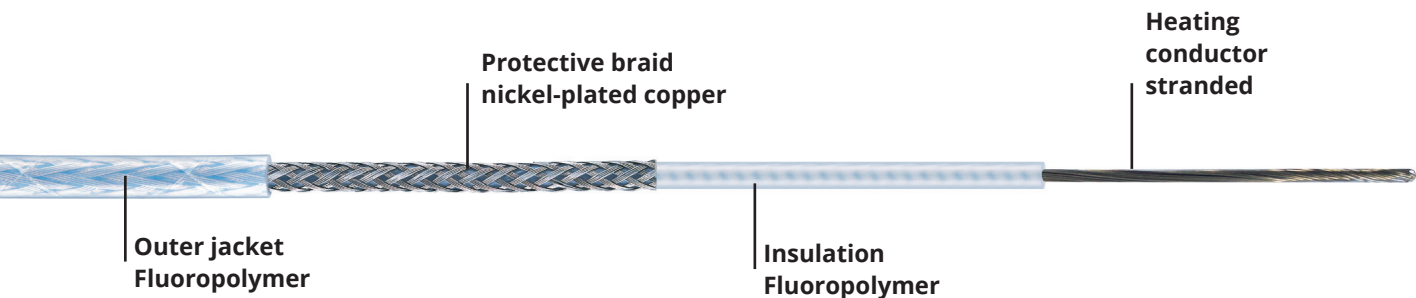
- High chemical and mechanical resistance
- Can be used in all industrial areas
- High operation temperature
- Can be used in liquids
- Easy to install, even on complex shapes
- Highly flexible
- Resistant to steam purging

## APPLICATIONS:

- Heat tracing on tanks
- Heat tracing on vessels
- Heat tracing on filters
- Heating satellite dishes
- Heat tracing on hoppers
- Pipe, valve and pump heating
- Automotive
- Tank containers
- IBC's
- Heating hoods
- Varnishing plants



## TYPE ELKM-AG-N UP TO 260 °C





# TECHNICAL INFORMATION

## DATA

■ Insulation	Fluoropolymer
■ Protective braid	Nickel-plated copper
■ Outer jacket	Fluoropolymer
■ Nominal voltage max.	550 V
■ Output, max.	30 W/m*
■ Operating temp., max.	260 °C
■ Bending radius, min.	2.5 x outer diameter
■ Installation temp., min.	-60 °C
■ Moisture proof	IP68
■ Impact resistance	4 Joule
■ Heat conductor	Stranded

## STANDARD

■ Manufactured according to	DIN VDE 0253, EN 60079-30-1
■ Certificate	EPS 19 ATEX 1 146 U
■ Classification	II 2G Ex 60079-30-1 IIC Gb II 2D Ex 60079-30-1 IIIC Db

**\*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.

Nominal resistance (Ω/km)	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 <sup>-3</sup> / K)	Art. No.
1.95 (Cu 10 mm <sup>2</sup> )	8.1	166	4.30	01TA002E
2.90 (Cu 6 mm <sup>2</sup> )	6.8	119	4.30	01TA003E
4.40 (Cu 4 mm <sup>2</sup> )	6.1	96	4.30	01TA004E
7.20 (Cu 2.5 mm <sup>2</sup> )	5.1	64	4.30	01TA007E
10.00	4.8	59	4.30	01TA010E
11.70 (Cu 1.5 mm <sup>2</sup> )	4.7	57	4.30	01TA011E
15.00	4.5	50	4.30	01TA015E
25.00	4.4	48	3.00	01TA025E
31.50	4.7	56	1.60	01TA031E
50.00	4.4	49	1.60	01TA050E
65.00	4.2	46	1.60	01TA065E
80.00	4.5	42	0.90	01TA080E
100.00	4.4	50	0.90	01TA110E
157.00	4.4	46	0.45	01TA115E
180.00	4.1	42	0.90	01TA118E
200.00	4.2	38	0.45	01TA120E
260.00	4.1	42	0.45	01TA126E

Nominal resistance (Ω/km)	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 <sup>-3</sup> / K)	Art. No.
280.00	4.0	39	0.38	01TA128E
328.00	4.1	40.1	0.45	01TA132E
360.00	3.9	40	0.45	01TA136E
430.00	4.1	43	0.18	01TA143E
480.00	4.1	44	0.18	01TA148E
600.00	4.0	40	0.18	01TA160E
800.00	3.9	41	0.18	01TA180E
1000.00	4.0	43	0.04	01TA210E
1470.00	3.8	40	0.04	01TA214E
1750.00	3.8	37	0.04	01TA217E
1900.00	3.5	41	0.40	01TA219E
2900.00	3.9	41	0.40	01TA229E
4000.00	3.8	37	0.40	01TA240E
4700.00	3.8	35	0.15	01TA247E
6000.00	3.8	34	0.20	01TA260E
7000.00	3.8	33	0.15	01TA270E
8000.00	3.8	36	0.15	01TA280E

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.

# FLUOROPOLYMER-INSULATED HEATING CABLE FACTORY TERMINATED

Use on apparatus, vessels, pipes, valves, etc., in which low bending radii also allow compact tracing on small components across the entire surface.

The version with protective braid, nickel-plated copper, is available with the name ELK-AS. A version without protective braid is also available: ELK-A – just ask us.

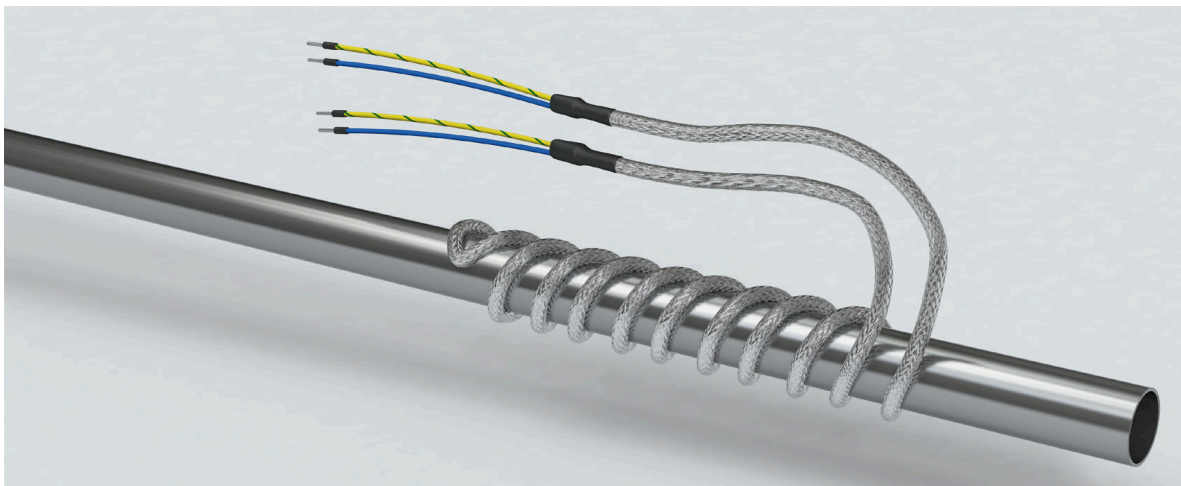
## ADVANTAGES:

- Factory terminated
- Highly flexible
- Small bending radius
- High operating temperature
- High chemical resistance
- Moisture proof

## APPLICATIONS:

- Vessels, pipes, valves
- Small components
- Can be used in many industrial areas
- Heat tracing on molds
- Heat tracing on satellite dishes
- IBC's

## TYPE ELK-AE UP TO 260 °C



## TECHNICAL INFORMATION

### DATA

■ Insulation	Fluoropolymer
■ Protective braid	VA 1.4401 / SS 316
■ Nominal voltage max.	230 V
■ Output, max.	25 W/m
■ Operating temp., max.	260 °C
■ Heating conductor diameter	3.1 - 3.6 mm
■ Bending radius, min.	2.5 x outer diameter
■ Installation temp., min.	-60 °C
■ Cold lead length, both ends	1.2 m, without plug
■ Moisture proof	Yes
■ Protection class	I

### STANDARD

■ Manufactured according to	DIN VDE 0253
■ Final inspection according to	DIN VDE 0721 T 411 2.5 kV AC - 1 min EN 62395-1

**\*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.

Designation	Heated length (m)	Nominal output (W) temperature max. 100 °C	Art. No.	Nominal output (W) temperature max. 150 °C	Art. No.	Nominal output (W) temperature max. 200 °C	Art. No.
ELK-AE 1.2	1.2	30	0133011	–	–	–	–
ELK-AE 2.2	2.2	54	0133021	–	–	–	–
ELK-AE 3.4	3.4	78	0133031	52	0133032	26	0133033
ELK-AE 4.8	4.8	94	0133041	69	0133042	37	0133043
ELK-AE 6.0	6.0	147	0133061	88	0133062	44	0133063
ELK-AE 8.4	8.4	210	0133081	126	0133082	63	0133083
ELK-AE 10.8	10.8	245	0133101	163	0133102	82	0133103
ELK-AE 12.0	12.0	294	0133121	176	0133122	88	0133123
ELK-AE 14.0	14.0	344	0133141	–	–	–	–
ELK-AE 20.0	20.0	464	0133201	294	0133202	–	–
ELK-AE 25.0	25.0	623	0133251	371	0133252	192	0133253
ELK-AE 30.0	30.0	705	0133301	441	0133302	220	0133303
ELK-AE 35.0	35.0	864	0133351	521	0133352	–	–
ELK-AE 42.0	42.0	1.008	0133421	611	0133422	315	0133423
ELK-AE 56.0	56.0	1.390	0133561	756	0133562	378	0133563

Other lengths upon request.  
Resistance tolerance: +/- 5 %  
All output figures are nominal values at +20 °C.  
Lengths tolerance ± 2%, max. ± 0.25 m.

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.

# FLUOROPOLYMER-INSULATED HEATING CABLE FACTORY TERMINATED

This versatile, factory terminated, heating cable is used for frost protection and temperature maintenance, even under highly corrosive environmental conditions which means this heating cable can be used on an extremely wide variety of applications.

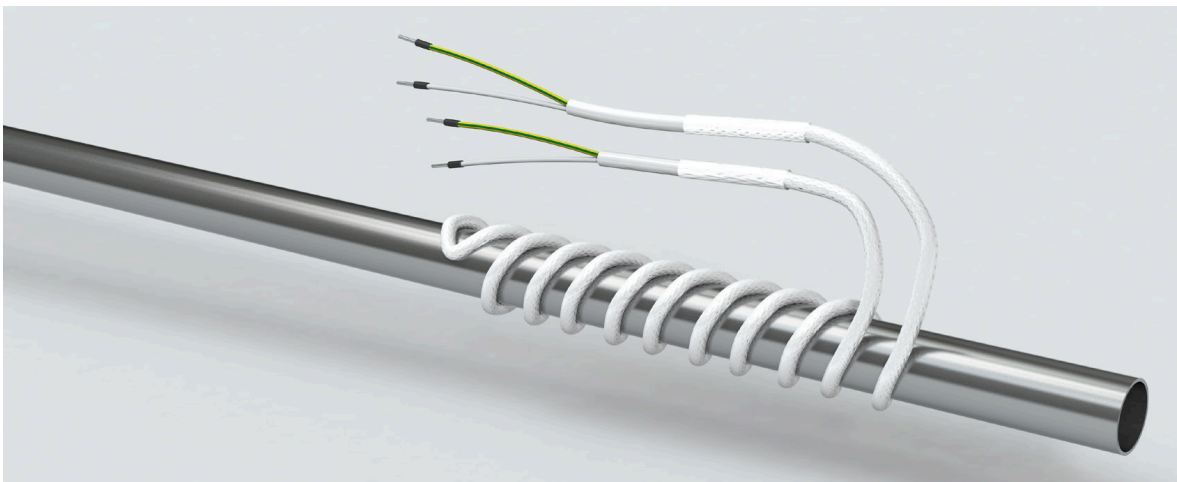
## ADVANTAGES:

- Factory terminated
- High chemical and mechanical resistance
- Can be used in all industrial areas
- High operating temp.
- Can be used in liquids
- Easy to install, even on complex shapes
- Highly flexible
- Resistant to steam purging

## APPLICATIONS:

- Heat tracing on tanks
- Heat tracing on vessels
- Heat tracing on filters
- Heat tracing on satellite dishes
- Heat tracing on hoppers
- Pipes, valves and pumps
- Automotive
- Tank containers
- IBC's
- Heating hoods

## TYPE ELK-AG-L UP TO 260 °C



# TECHNICAL INFORMATION

## DATA

■ Insulation	Fluoropolymer
■ Protective braid	Nickel-plated copper
■ Outer jacket	Fluoropolymer
■ Nominal voltage max.	230 V
■ Output	25 W/m
■ Operating temp., max.	260 °C
■ Heating conductor diameter	4.1 - 4.8 mm
■ Bending radius, min.	2.5 x outer diameter
■ Cold lead length, both ends	1.2 m, without plug
■ Installation temp., min.	-60 °C
■ Moisture proof	Yes
■ Protection class	I

## STANDARD

■ Manufactured according to	DIN VDE 0253, EN 62395-1
■ VDE mark approval	40001594

**\*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.

Designation	Heated length (m)	Nominal output (W) temperature. max. 100 °C	Art. No.	Nominal output (W) temperature. max. 150 °C	Art. No.	Nominal output (W) temperature. max. 200 °C	Art. No.
ELK-AG-L 1.2	1.2	30	0135011				
ELK-AG-L 2.2	2.2	54	0135021				
ELK-AG-L 3.4	3.4	78	0135031	52	0135032	26	0135033
ELK-AG-L 4.8	4.8	94	0135041	69	0135042	37	0135043
ELK-AG-L 6.0	6.0	147	0135061	88	0135062	44	0135063
ELK-AG-L 8.4	8.4	210	0135081	126	0135082	63	0135083
ELK-AG-L 10.8	10.8	245	0135101	163	0135102	82	0135103
ELK-AG-L 12.0	12.0	294	0135121	176	0135122	88	0135123
ELK-AG-L 14.0	14.0	344	0135141				
ELK-AG-L 20	20.0	464	0135201	294	0135202		
ELK-AG-L 25	25.0	623	0135251	371	0135252	192	0135253
ELK-AG-L 30	30.0	705	0135301	441	0135302	220	0135303
ELK-AG-L 35	35.0	864	0135351	521	0135352		
ELK-AG-L 42.0	42.0	1,008	0135421	611	0135422	315	0135423
ELK-AG-L 56.0	56.0	1,390	0135561	756	0135562	378	0135563

Other lengths upon request.  
Resistance tolerance: +/- 5 %  
All output figures are nominal values at +20 °C.  
Lengths tolerance ± 2%, max. ± 0.25 m.

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.

# FLUOROPOLYMER-INSULATED HEATING CABLE FACTORY TERMINATED

This versatile heating cable is used for frost protection and temperature maintenance, even under highly corrosive environmental conditions. The heating cable ELK-AG-N is suited and approved for use in potentially explosive atmospheres. It is highly flexible permitting its application in areas of use. Upon consultation of our engineers, this cable may likewise be used for inside trace heating of piping.

## ADVANTAGES:

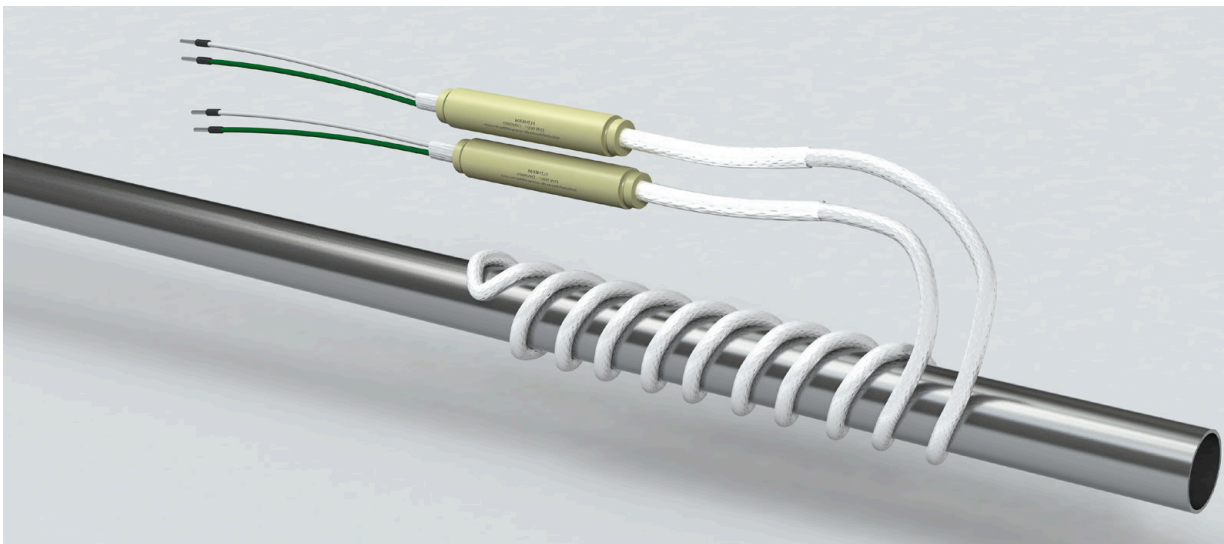
- Factory terminated
- High chemical and mechanical resistance
- Can be used in all industrial areas
- High operating temp.
- Can be used in liquids
- Easy to install, even on complex shapes
- Highly flexible
- Resistant to steam purging

## APPLICATIONS:

- Heat tracing on tanks
- Heat tracing on vessels
- Heat tracing on filters
- Heat tracing on hoppers
- Pipes, valves and pumps
- Tank containers
- IBC's
- Heating hoods
- Automotive
- Varnishing plants



## TYPE ELK-AG-N UP TO 260 °C



## TECHNICAL INFORMATION

### DATA

■ Insulation	Fluoropolymer
■ Protective braid	Nickel-plated copper
■ Outer jacket	Fluoropolymer
■ Nominal voltage max.	230 V
■ Output	25 W/m
■ Operating temp., max.	260 °C
■ Heating conductor diameter	3.8 - 4.7 mm
■ Bending radius, min.	2.5 x outer diameter
■ Installation temp., min.	-60 °C
■ Cold lead length, both ends	1.2 m, without plug
■ Moisture proof	Yes
■ Protection class	I
■ Impact resistance	4 Joule

### STANDARD

■ Manufactured according to	DIN VDE 0253, EN 60079-30-1
■ Cable	60079-30-1
■ Pipe collar	60079-0-7
<b>For Ex-applications:</b>	
■ Classification cable	II 2G Ex e IIC Gb II 2D Ex tb IIIC Db
■ Certificate cable	EPS 12ATEX1466U
■ Classification ExCon	II 2G Ex e IIC T6...T3 Gb II 2D Ex tb IIIC TX Db
■ Certificate ExCon	04ATEX1005X / 07ATEX1023X
■ Standard ExCon	EN 60079-0:2009, EN 60079-7:2007, EN 60079-31:2009

**\*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.

# HEATING TAPE FOR SENSITIVE SURFACES

The factory terminated heating tape ELW-GN with E-glass insulation is suitable for trace heating of apparatus, appliances and systems in a non-corrosive environment and its preferred use is for glass devices and systems with sensitive surfaces.

## ADVANTAGES:

- Factory terminated
- Single end connection
- Highly flexible
- Surface-friendly
- Small bending radius
- Easy to assemble
- Moisture proof

## APPLICATIONS:

- Heat tracing on apparatus, appliances and systems
- Devices and systems made of glass with sensitive surfaces
- Laboratory applications

## TYPE ELW-GN UP TO 260 °C





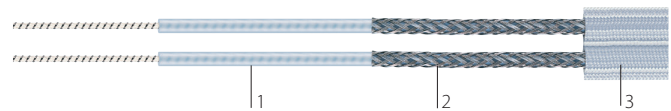
# TECHNICAL INFORMATION

## DATA

■ Insulation (1)	Fluoropolymer
■ Protective braid (2)	Nickel-plated copper
■ Outer jacket (3)	E-glass textile
■ Nominal voltage	230 V
■ Output	Approx. 50 W/m*
■ Operating temp., max.	260 °C
■ Dimensions (wxh)	Approx. 25 x 6 mm
■ Bending radius, flat, min.	10 mm
■ Installation temp., min.	-60 °C
■ Moisture proof	Yes
■ Cold lead length, both ends	1.2 m, without plug
■ Protection class	I

## STANDARDS

■ Manufactured according to	DIN VDE 0253
■ Final inspection according to	DIN VDE 0721 T411 2.5 kV AC – 1 min



**\*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.

Designation	Heated length (m)	Nominal output (W) temperature. max. 100 °C	Art. No.	Nominal output (W) temperature. max. 150 °C	Art. No.	Nominal output (W) temperature. max. 200 °C	Art. No.
ELW-GN 0.6	0.6	30	0231001	–		–	
ELW-GN 1.1	1.1	54	0231011	–		–	
ELW-GN 1.7	1.7	78	0231701	52	0231012	26	0231013
ELW-GN 2.4	2.4	94	0231021	69	0231022	37	0231023
ELW-GN 3.0	3.0	147	0231031	88	0231032	44	0231033
ELW-GN 4.2	4.2	210	0231041	126	0231042	63	0231043
ELW-GN 5.4	5.4	245	0231051	163	0231052	82	0231053
ELW-GN 6.0	6.0	294	0231061	176	0231062	88	0231063
ELW-GN 7.0	7.0	344	0231071	–		–	
ELW-GN 10.0	10.0	464	0231101	294	0231102	–	
ELW-GN 12.5	12.5	623	0231121	371	0231122	192	0231123
ELW-GN 15.0	15.0	705	0231151	441	0231152	220	0231153
ELW-GN 17.5	17.5	864	0231171	521	0231172	–	
ELW-GN 21.0	21.0	1,008	0231211	611	0231212	315	0231213
ELW-GN 28.0	28.0	1,390	0231281	756	0231282	378	0231283

Other lengths upon request.  
Resistance tolerance: +/- 5 %  
All output figures are nominal values at +20 °C.  
Lengths tolerance ± 2%, max. ± 0.25 m.

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.

# HEATING TAPE FOR CORROSIVE ENVIRONMENTS

The factory terminated heating tape ELW-VA is suitable for trace heating of apparatus, appliances and systems in a corrosive environment. The minimal dimensions of the heating tape enable close tracing. This heating tape is not sensitive to rough surfaces.

## ADVANTAGES:

- Factory terminated
- Single end connection
- Highly flexible
- Small bending radius
- Small dimensions
- Robust
- Easy to assemble
- Moisture proof

## APPLICATIONS:

- Heat tracing on apparatus, appliances and systems
- Temperature maintenance on piping
- Laboratory applications

## TYPE ELW-VA UP TO 260 °C



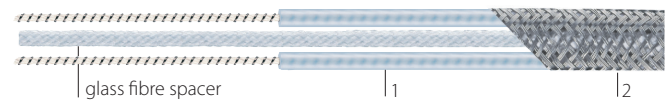
# TECHNICAL INFORMATION

## DATA

■ Insulation (1)	Fluoropolymer
■ Protective braid (2)	1.4301 / SS 304
■ Nominal voltage	230 V
■ Output	Approx. 50 W/m*
■ Operating temp., max.	260 °C
■ Dimensions (wxh)	Approx. 10 x 5 mm
■ Dimensions, sleeve (wxhxl)	32 x 16 x 65 mm
■ Bending radius, flat, min.	15 mm
■ Installation temp., min.	-30 °C
■ Moisture proof	Yes
■ Cold lead length, both ends	1.2 m, silicone cable, without plug
■ Protection class	I

## STANDARD

■ Manufactured according to	DIN VDE 0253
■ Final inspection according to	DIN VDE 0721 T411 2.5 kV AC – 1 min



**\*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.

Designation	Heated length (m)	Nominal output (W) temperature. max. 100 °C	Art. No.	Nominal output (W) temperature. max. 150 °C	Art. No.	Nominal output (W) temperature. max. 200 °C	Art. No.
ELW-VA 0.6	0.6	30	0232001	–		–	
ELW-VA 1.1	1.1	54	0232011	–		–	
ELW-VA 1.7	1.7	78	0232701	52	0232012	26	0232013
ELW-VA 2.4	2.4	94	0232021	69	0232022	37	0232023
ELW-VA 3.0	3.0	147	0232031	88	0232032	44	0232033
ELW-VA 4.2	4.2	210	0232041	126	0232042	63	0232043
ELW-VA 5.4	5.4	245	0232051	163	0232052	82	0232053
ELW-VA 6.0	6.0	294	0232061	176	0232062	88	0232063
ELW-VA 7.0	7.0	344	0232071	–		–	
ELW-VA 10.0	10.0	464	0232101	294	0232102	–	
ELW-VA 12.5	12.5	623	0232121	371	0232122	192	0232123
ELW-VA 15.0	15.0	705	0232151	441	0232152	220	0232153
ELW-VA 17.5	17.5	864	0232171	521	0232172	–	
ELW-VA 21.0	21.0	1,008	0232211	611	0232212	315	0232213
ELW-VA 28.0	28.0	1,390	0232281	756	0232282	378	0232283

Other lengths upon request.  
Resistance tolerance: +/- 5 %  
All output figures are nominal values at +20 °C.  
Lengths tolerance ± 2%, max. ± 0.25 m.

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.



**ELVARME**



**VORES PRODUKTSORTIMENT INKLUDERER:**



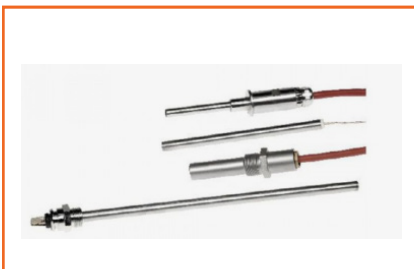
**VARMEKABEL HØJTEMP. 900C**



**VARMEKABEL CNFx**



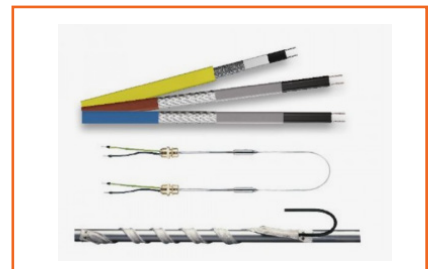
**FLEXUNIT**



**VARMEPATRONER**



**WIRE WOUND HEATERS**



**VARMEKABLER**

**VI FØRER PRODUKTER INDENFOR KATEGORIERNE:**



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