



PTFE insulated heating cable with protective braid + outer jacket

This versatile, factory terminated, heating cable is used for freeze 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 operation temperature
- Easy to install, even on complex shapes
- Highly flexible
- Resistant to steam purging

Applications: e.g.

- 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





Heating conductor
stranded or
spirally wound

Protective braid
nickel-plated copper

Insulation PTFE

Outer jacket PTFE

Technical information

Data

■ Insulation	PTFE
■ Protective braid	nickel-plated copper
■ Outer jacket	PTFE
■ Nominal voltage	750 V
■ Output, max.	30 W/m*
■ Working 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

Nominal resistance (Ω/km)	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 ⁻³ / K)	Item n°
1,95 (Cu 10 mm ²)	7,7	156	4,30	01TT002E
2,90 (Cu 6 mm ²)	6,4	110	4,30	01TT003E
4,40 (Cu 4 mm ²)	5,6	85	4,30	01TT004E
7,20 (Cu 2,5 mm ²)	4,5	53	4,30	01TT007E
10,00	4,2	51	4,30	01TT010E
11,70 (Cu 1,5 mm ²)	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

Weight tolerances are possible for manufacturing reasons.
Nominal resistances up to 1,500,000 Ω/km upon request.
Resistance tolerance: +/- 5 %.

Standards

■ Manufactured according to DIN VDE 0253

*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.

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

Nominal resistance (Ω/km)	Outer diameter (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 ⁻³ / K)	Item n°
280,00	3,4	35	0,38	01TT128E
340,00	3,78	35,2	0,45	01TT134E
360,00	3,3	33	0,45	01TT138E
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

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.