



Fluoropolymer-insulated Heat Tracing System

Polymer insulated trace heating offers the most reliable and flexible means of providing freeze protection and temperature maintenance in highly corrosive environments and high temperature applications. eltherm's series ELKM-AG-NA heating cable offer unique features, including Class I Division 1 hazardous area approval.

Features and Benefits:

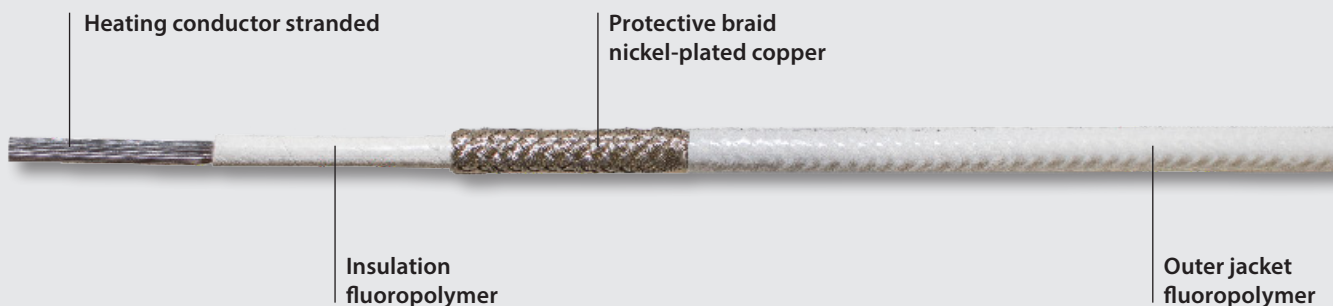
- Class I Division 1 hazardous area rating
- Maximum chemical and mechanical resistance
- High maintain temperature
- Usage rating -WS (outdoors, wet areas)
- Highly flexible, may be applied to various shapes and small spaces
- Easy Field Termination
- Large Variety of Resistances
- Longer Circuit Lengths

Application examples:

- Product Line Heat Tracing (crude oil, natural gas, caustic soda, waste water and product transfer lines)
- Tank and vessel heat tracing
- Pipe, valve and pump heating
- Tank container heating
- IBC's
- Storage facility heating
- Viscosity control
- Instrumentation heat tracing



ELKM-AG-NA to 482 °F / 250 °C



Technical Details

ELKM-AG-NA to 482 °F / 250 °C

Data

■ Insulation	Fluoropolymer
■ Protective braid	Nickel-plated copper
■ Outer jacket	Fluoropolymer
■ Nominal voltage max.	0-750 V, AC and DC voltages
■ Output, max.	30 W/m*
■ Operating temp., max.	482 °F / 250 °C
■ Bending radius, min.	0.4"/ 10 mm
■ Installation temp., min.	-76 °F / -60 °C
■ Heat conductor	Stranded
■ Usage rating (Canada)	-WS

Standards and Approvals

■ Manufactured according to	IEC/IEEE 60070-30-1, IEEE 515 CSA 22.2 130-16
■ Certificate No.	FM16NUS0004 FM16US0124X FM16NC0003 FM16CA0069X
■ Classification	II 2G Ex e IIC Gb II 2D Ex tb IIIC Db Class I Div 2 Group A, B, C, D; Class II Div 2 Group E, F, G; Class III Div 1; Class I Zone 1 AEx de IIC T6...T2 / Ex de IIC T6...T2 Gb Class II Div 1 Group E, F, G

*Note: The output per unit length of the heating cable and the maximum possible operating temperatures depend on the respective application. Please contact eltherm for application specific requirements and calculations.

Nominal resistance (Ω/km)	Outer diameter approx.	Weight approx. (g/m)	Temperature coefficient (x 10 ⁻³ / K)	Part No.
11.7	5.9	76	4.30	01NA011E
50	5.4	69	1.60	01NA050E
65	5.5	64	1.60	01nA065E
80	5.9	73	0.90	01NA080E
100	5.7	69	0.90	01NA110E
157	5.7	68	0.45	01NA115E
180	5.7	60	0.90	01NA118E
200	5.4	64	0.45	01NA120E
260	5.5	61	0.45	01NA126E
280	5.4	58	0.38	01NA128E
340	5.3	57	0.45	01NA134E
430	5.2	63	0.45	01NA136E
480	5.5	61	0.18	01NA143E

Nominal resistance (Ω/km)	Outer diameter approx. (mm)	Weight approx. (g/m)	Temperature coefficient (x 10 ⁻³ / K)	Part No.
480	5.4	61	0.18	01NA148E
600	5.3	59	0.18	01NA160E
800	5.2	56	0.18	01NA180E
1000	5.3	59	0.04	01NA210E
1470	5.2	55	0.04	01NA214E
1700	5.2	55	0.04	01NA217E
1900	5.4	60	0.40	01NA219E
2900	5.2	56	0.40	01NA229E
4000	5.1	53	0.40	01NA240E
4700	5.0	52	0.15	01NA247E
6000	5.0	51	0.20	01NA260E
7000	5.0	50	0.15	01NA270E
8000	4.9	49	0.15	01NA280E

Weight tolerances are possible for manufacturing reasons.
Resistance tolerance: +/- 5 %.

For applications with fixed external diameter, please contact our engineers first. Cables must neither intersect nor contact. Ground fault protection device 30 mA required for each circuit.

Connection Kits		Part No.
ELVB-AG-NA Splice Kit for ELK-AG-Nx	max. 750V, max. 40A, max. 482°F / 250°C Class I Div 1 Grp A, B, C, D Class II Div 1 Grp E, F, G; Class III; Class I Zone 1, AEx e IIC T6...T2 / Ex e IIC T6...T2 Gb	09CAAG0
ELVB-NA M12 Connection Kit for ELK-AG-NA NEC/CEC M12x1.5	max. 750V, max. 40A, max. 203 °F / 95 °C, Trace heater Set -WS	09CAAG4
EL-HAZELECT-AG Connection kit 1/2" for ELKM-AG-NA	max. 750V, max. 40A, max. 482°F / 250°C Class I, Div. 1&2, Groups A, B, C, D; Class II, Div. 1&2, Groups E, F, G; Class III; Class I, Zone 1, Group IIC Trace heater Set -WS.	09CA050

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