Self-regulating heating cable up to 120 °C with braided metal sheath and fluoropolymer overjacket

Application

AKO-7125x self-regulating heating cables are suitable for freeze protection and process temperature maintenance, up to 120 °C.

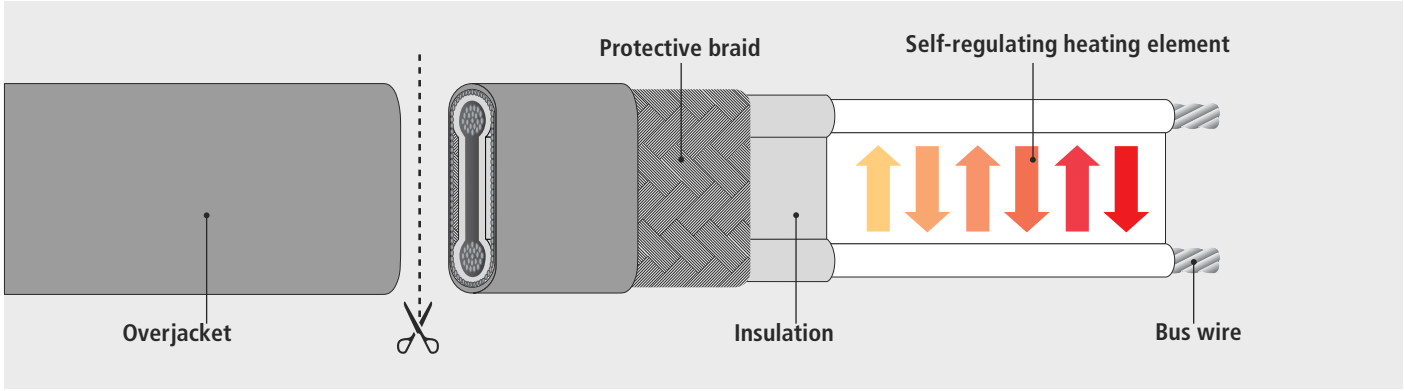
Fluoropolymer overjacket withstands organic chemicals or corrosives.

The heating cable is approved for use in ordinary and hazardous areas.

Typical applications

- Freeze protection
- Chemical & petrochemical industries
- Pipe heat tracing
- Vessels and tanks

Construction



Technical specifications

Bus wires and protective braid . . . . . Nickel-plated copper
Maximum exposure temperature (power off) Intermitent: . . . . . 200 °C (1000 h)
Continuous: . . . . . 120 °C
Maximum exposure temperature (power on) . . . . . 120 °C
Rated voltage . . . . . 208 up to 254 V
Minimum bending radius . . . . . 25 mm
Minimum installation and start-up temperature . . . . . -55 °C
Nominal weight . . . . . 108 g/m
Bus wires section . . . . . 1.2 mm^2

Heating cable	AKO-71250	AKO-71251	AKO-71252	AKO-71253	AKO-71255	AKO-71258
Type	HSB 10	HSB 15	HSB 25	HSB 30	HSB 45	HSB 60
Nominal output at 230 V	10 W/m at 10 °C	15 W/m at 10 °C	25 W/m at 10 °C	30 W/m at 10 °C	45 W/m at 10 °C	60 W/m at 10 °C
T-rating	T3	T3	T3	T3	T3	-
***Based on system approach**	T4	T4	T4	T4	T3	T3
Design	Protective braid and fluoropolymer overjacket					
Nominal dimensions	10.2 x 4.8 mm					

* Heating cables are approved for the listed T-Class using the stabilized design method

Cable certifications and approvals

KEMA 08ATEX0110 X
II 2G Ex e IIC 200 °C (T2), T3, T4 Gb
II 2D Ex tb IIIC T 200 °C, T 195 °C, T 130 °C Db

IECEx IECEx KEM 09.0083X
Ex e IIC 200 °C (T2), T3, T4 Gb
Ex tb IIIC T 200 °C, T 195 °C, T 130 °C Db

c SA us Class I Div.2 Gr. A, B, C, D
Class II Div.2 Gr. E, F, G
Class III
Master contract: 180267

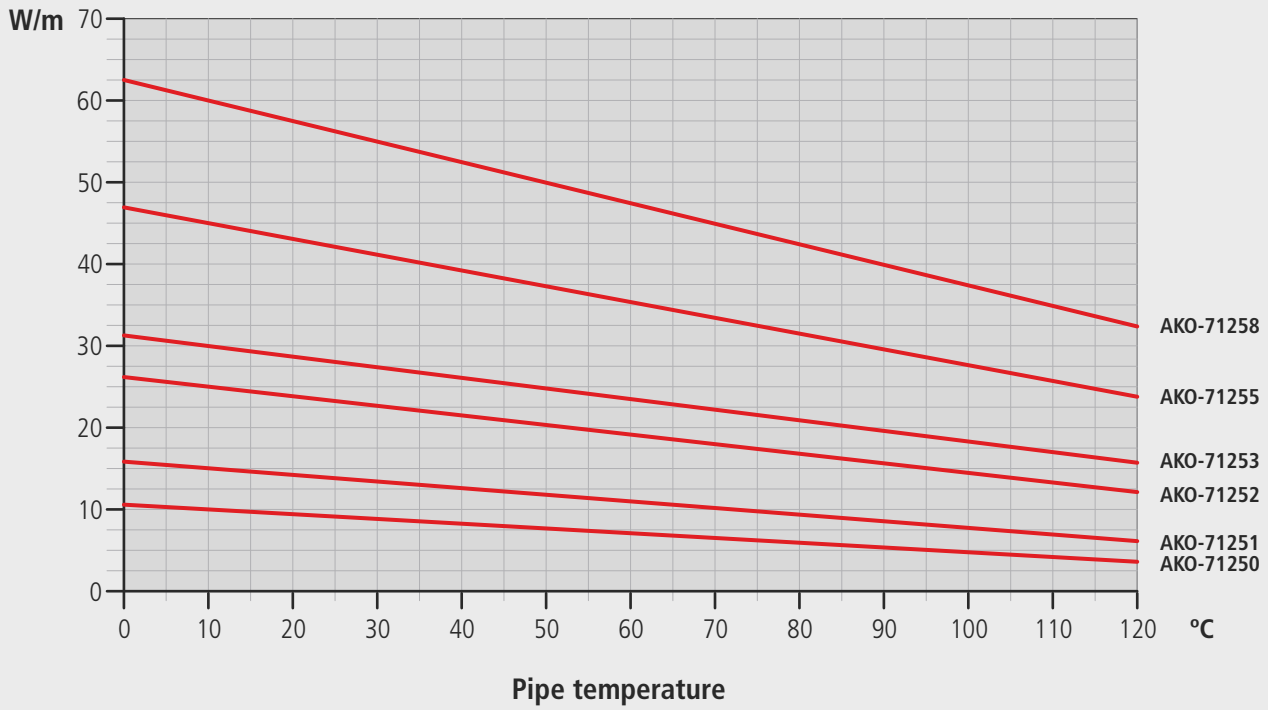
Circuit breaker selection

On the following conditions:

- 230 V nominal voltage
- Circuit breaker (C-characteristic)

	Start-up temperature	Maximum circuit length (m) per circuit breaker				
		10 A	16 A	20 A	25 A	32 A
AKO-71250	10 °C	115	200	235	235	235
	0 °C	109	188	235	235	235
	-10 °C	104	183	235	235	235
	-20 °C	100	179	235	235	235
	-40 °C	92	171	231	235	235
AKO-71251	10 °C	89	165	189	189	189
	0 °C	83	148	175	185	189
	-10 °C	78	135	153	180	189
	-20 °C	76	120	152	174	189
	-40 °C	70	112	144	160	189
AKO-71252	10 °C	53	120	140	140	140
	0 °C	51	112	132	135	140
	-10 °C	49	103	127	131	140
	-20 °C	46	93	123	127	140
	-40 °C	43	85	117	125	138
AKO-71253	10 °C	44	85	114	114	114
	0 °C	42	78	110	114	114
	-10 °C	40	73	102	110	114
	-20 °C	38	70	93	102	114
	-40 °C	36	67	86	92	112
AKO-71255	10 °C	32	70	82	82	82
	0 °C	30	64	77	82	82
	-10 °C	29	55	71	78	82
	-20 °C	26	51	67	76	82
	-40 °C	25	47	64	70	80
AKO-71258	10 °C	25	50	64	64	64
	0 °C	24	47	59	62	64
	-10 °C	22	43	56	60	64
	-20 °C	22	40	54	57	64
	-40 °C	20	37	50	55	62

Nominal power output (On insulated steel pipes at 230 V)



Accessories

The appropriate kit should be used to make the connection and cable end sealing.

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