

# CE Ex Self-regulating heating cable up to 65 °C with braided metal sheath

## Application

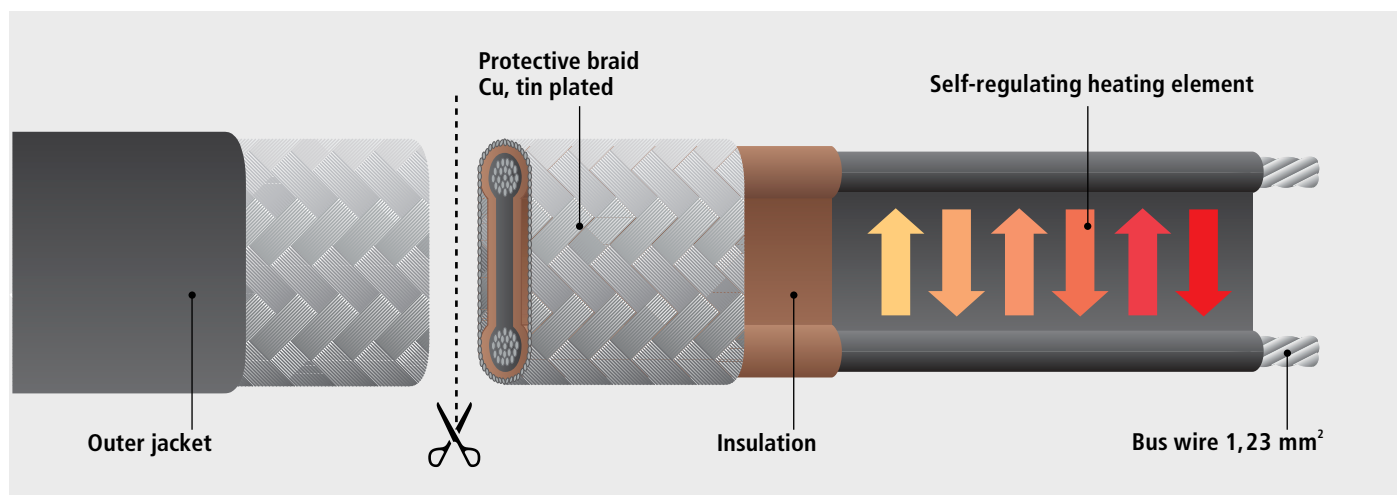
The versatile self-regulating heating cables **AKO-7121x** and **AKO-7121xP** are suited for frost protection and temperature maintenance in the low temperature range of industrial applications, up to 65 °C. Likewise it is approved for use in hazardous areas.

The **AKO-7121x** version of this heating cables even withstands aggressive chemicals, oil and fuel.

## Typical applications

- Frost protection
- Heat tracing on level indicators
- Chemical & petrochemical industries
- Tank bottom heating of LNG storage tanks
- Pipe heat tracing
- Vessels and tanks

## Construction



## Technical specifications

Bus wire	Nickel plated copper
Maximum exposure temperature (power off)	80 °C
Maximum exposure temperature (power on)	65 °C
Nominal voltage	230V
Bending radius, min.	25 mm
Installation temperature, min.	-45 °C
Classification	Ex II 2G Ex e IIC T6 Gb Ex tb IIIC T80 °C Db
Certificates	IECEx EPS 12.0006U / 12ATEX1431U
Weight approx. (g/m)	108

	AKO-71212	AKO-71214	AKO-71216	AKO-71218	AKO-71212P	AKO-71214P	AKO-71216P	AKO-71218P
<b>Type</b>	ELSR-N-10-2-BOT	ELSR-N-20-2-BOT	ELSR-N-30-2-BOT	ELSR-N-40-2-BOT	ELSR-N-10-2-BO	ELSR-N-20-2-BO	ELSR-N-30-2-BO	ELSR-N-40-2-BO
<b>Nominal output</b>	10 W/m at 10 °C	20 W/m at 10 °C	30 W/m at 10 °C	40 W/m at 10 °C	10 W/m at 10 °C	20 W/m at 10 °C	30 W/m at 10 °C	40 W/m at 10 °C
<b>Design</b>	Protective braid and a fluoropolymer outer jacket				Protective braid and a thermoplastic outer jacket			
<b>Dimensions approx.</b>	13,8 x 5,6 mm				14,1 x 5,8 mm			

## Heating circuit lengths

On the following conditions:

- 230 V nominal voltage
- Delayed action circuit breakers (C-characteristic) with 80 % maximum load
- Maximum 10 % line voltage drop on the heating cable bus wire
- One single end power input heating cable

Switch-on temperature	Nominal cutout value (A)	Heating circuit length (m) for			
		AKO-71212 / AKO-71212P	AKO-71214 / AKO-71214P	AKO-71216 / AKO-71216P	AKO-71218 / AKO-71218P
10 °C	10	128	68	52	36
	16	177	109	83	57
	20	177	129	104	71
	25	177	129	113	89
	32	177	129	113	94
0 °C	10	106	57	45	31
	16	160	92	71	50
	20	160	115	89	62
	25	160	119	105	78
	32	160	119	105	88
-10 °C	10	90	50	39	28
	16	144	79	63	44
	20	149	99	78	55
	25	149	111	98	69
	32	149	111	98	83
-20 °C	10	78	44	35	25
	16	125	70	56	40
	20	139	87	69	50
	25	139	104	87	62
	32	139	104	87	78
-40 °C	10	62	35	28	21
	16	99	56	45	33
	20	124	71	57	42
	25	124	88	71	52
	32	124	88	71	66

Output (On insulated metallic pipes in accordance with EN 62395-1)

