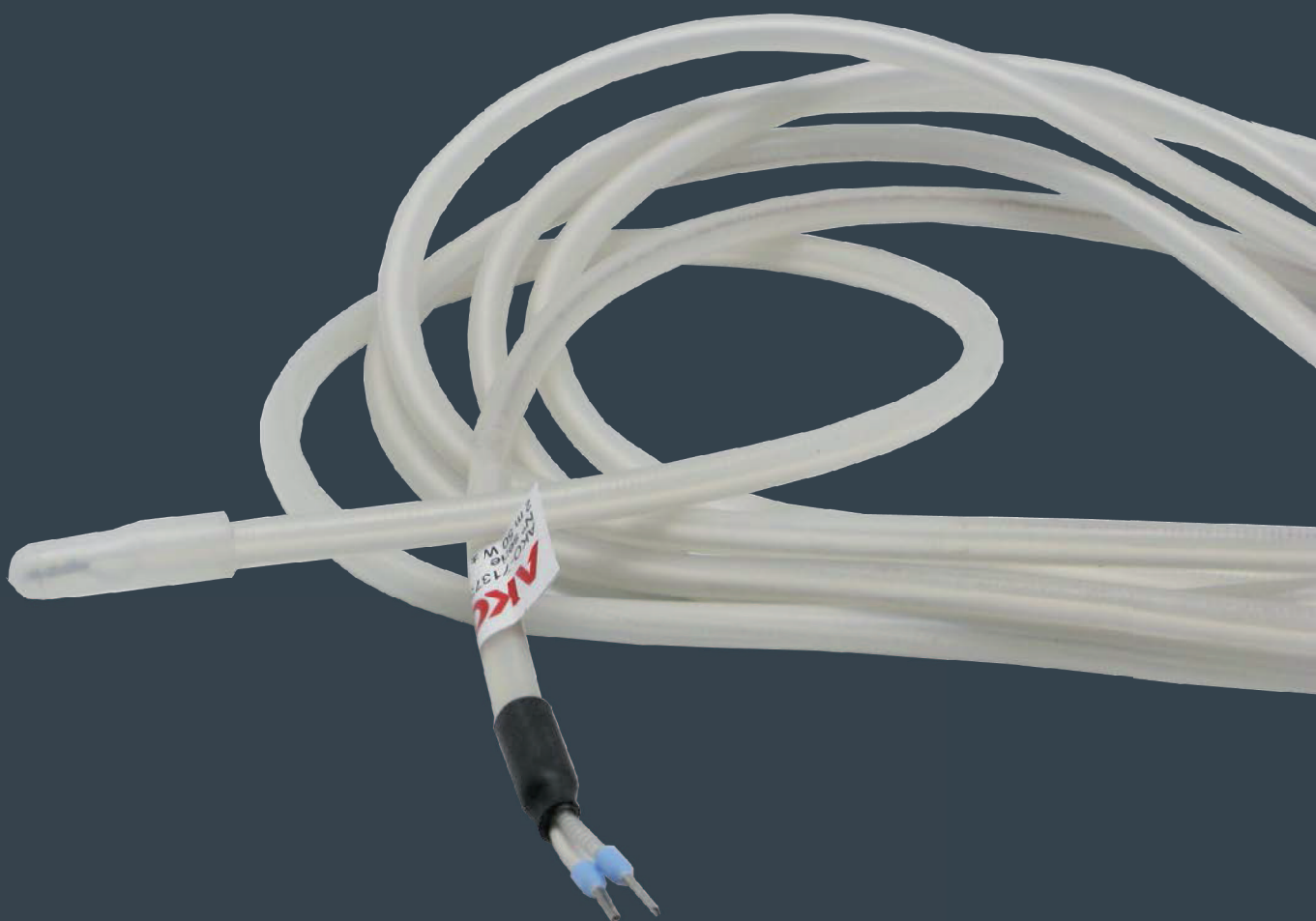


AKOCABLE
Heating cable solutions



Heating cable quick guide

Installation, checking and connection to power supplies, and coordination should be carried out by qualified staff. AKO recommends selecting heating cables according to their application.

Applications in Refrigeration

TECHNOLOGIES	Parallel cable constant wattage			Parallel cable self-regulating		Serie cable
Application/finishing	Fluoropolymer Covering	Metal Braid	Silicone Insulation / PVC	Polyolefin Covering	Metal Braid	Silicone Insulation
Avoid ice on drainpipes		AKO-52341	AKO-5234, AKO-52342, AKO-52344, AKO-52346, AKO-712545	AKO-71214T, AKO-71218T, AKO-7121xP	AKO-1221	AKO-7137x, AKO-7138x
Frames of cold rooms		AKO-52341, AKO-5237	AKO-5234, AKO-52342, AKO-52344, AKO-52346			
Cupboard frames and glass cabinets		AKO-52341, AKO-5237	AKO-5234, AKO-52342, AKO-52344, AKO-52346			
Cold room entrance	AKO-70130					
Cold room floors			AKO-5231			

TECHNOLOGIES	Heating resistances
Refrigeration compressors	AKO-718x

Applications in Construction

TECHNOLOGIES	Parallel cable constant wattage			Parallel cable self-regulating	
Application/finishing	Fluoropolymer Covering	Metal Braid	Silicone Insulation / PVC	Polyolefin Covering	Metal Braid
Avoid ice on drainpipes		AKO-710xx		AKO-71214T, AKO-71218T, AKO-7121xP	AKO-1221
Avoiding ice ramps, streets ...	AKO-70130, AKO-70140				
Maintain the flow of water on tiled roofs and canals	AKO-70130				
Underfloor heating			AKO-1212		
Hot water supply (HWS)		AKO-710xx			

Applications in Industry

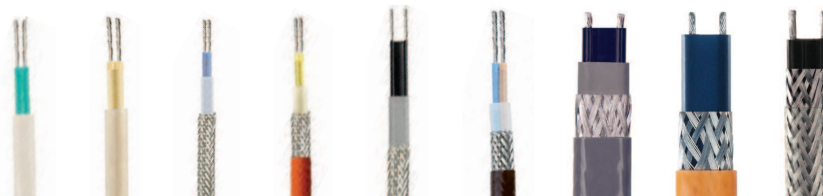
TECHNOLOGIES	T° maintain (°C)	Parallel cable constant wattage (EX)	Parallel cable self-regulating (EX)	Serie cable
Application/finishing	CABLE	Fluoropolymer Covering	Fluoropolymer Covering / TPC	Cover inox. Quartz fibber insulation
Maintain the temperature of processes in piping, tanks, hoppers, and associated equipment	Up to 65	AKO-701xx, AKO-711xx	AKO-7121x	
	Up to 110		AKO-7124x	
	Up to 120		AKO-7125x	
	Up to 155		AKO-7126x	
	Up to 190	AKO-711xx	AKO-7126x	
	Up to 200		AKO-7126x	
	Up to 530			AKO-7130xA
	Up to 800			AKO-7132x

Maintain the temperature in tanks and drums	Temperature	Heaters
	Up to 185 °C	Heating panels: AKO-71515, AKO-71535
	< 100 °C	Heating bands with thermostat: AKO-8003xT
	< 100 °C	Heater Jacket: AKO-80041
	< 100 °C	Base and Ring heater: AKO-718510, AKO-718520, AKO-718720

PARALLEL HEATING CABLE

Cut-to-length on site without its linear power varying

The cable provides a few watts for constant meter regardless of its length. This enables it to be cut made-to-measure on site at the time it is installed. Finishing of both ends of the cable for power supply is done using the appropriate kit.



SERIES CABLE

Finished in factory. The heating cable can't be cut on site.

The cable offers power for a determined length and therefore cannot be cut. It has 1 or 2 cold ends for its power supply.



Constant wattage heating cable

PVC insulation



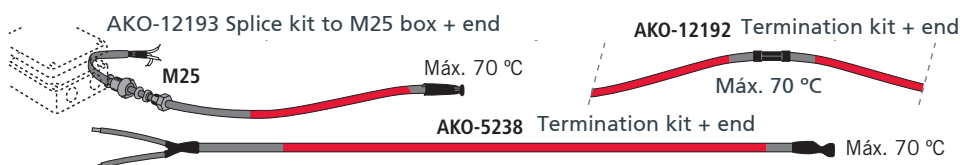
Exposure temperature up to 70 °C with PVC insulation.

AKO-5231 heater wire designed to prevent soil cracked cold storage, installed under the insulation.

AKO-1212 Heating cable for floor heating, installed above the insulation.

Application: Refrigeration and construction

- Copper conductor at 2 x 1,5 mm²
- Heating conductor element: Ni - Cr
- Nominal outler dimensions 9 x 6 mm.
- Minimum bend radius at 20 mm. to -15 °C
- Maximum exposure temperature (disconnected) 70 °C
- Distance between contacts: 1000 mm.



Reference	Description	Family	Pack
AKO-5231	Heating cable 10 W/m to 230 V, PVC insulation	Constant Wattage	100m .(A)
AKO-1212	Heating cable 20 W/m to 230 V, PVC insulation	Constant Wattage	100m. (A)
AKO-12192	Splice kit + end	Accessories	1 Unit
AKO-12193	Splice kit to M25 box + end	Accessories	1 Unit
AKO-5238	Termination kit	Accessories	25 Units

(A) The metres of packaged material are the standard ones; however, we reserve the right to supply in different lengths to those indicated.

Constant wattage heating cable

Silicone insulation (conductors 2 x 0,75 mm²)



Exposure temperature up to 180 °C with silicone insulation

Heating cable is used in industrial or commercial refrigeration installations to avoid ice in the drain pipes, condensation on the surface, and in applications on metal surfaces. It can be cut to size.

Application: Industrial and commercial refrigeration

- Copper conductor at 2 x 1,5 mm²
- Heating conductor element: Ni - Cr
- Nominal outler dimensions 8 x 6 mm.
- Minimum bend radius at 10 mm. to -40 °C
- Maximum exposure temperature (disconnected) 180 °C
- Distance between contacts: 595 mm.



Reference	Description	Family	Pack
AKO-5234	Heating cable 30 W/m at 230 V, silicone insulation	Constant Wattage	150m.(A)
AKO-52342	Heating cable 30 W/m at 120 V, silicone insulation	Constant Wattage	150m.(A)
AKO-52344	Heating cable 40 W/m at 230 V, silicone insulation	Constant Wattage	150m.(A)
AKO-52346	Heating cable 65 W/m at 230 V, silicone insulation	Constant Wattage	75m.(A)
AKO-52383	Kit for sealing connection termination + end	Accessories	25 Units

(A) The metres of packaged material are the standard ones; however, we reserve the right to supply in different lengths to those indicated.

Constant wattage heating cable

Silicone insulation (conductors 2 x 1,5 mm²)

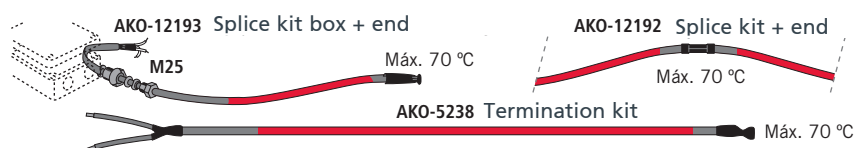


Exposure temperature up to 180 °C with silicone insulation

Heating cable is used in industrial or commercial refrigeration installations to avoid ice in the drain pipes and condensation on the surface. It can be cut to size.

Application: Refrigeration and construction

- Copper conductor at 2 x 1,5 mm²
- Heating conductor element: Ni - Cr
- Nominal outler dimensions 9 x 6 mm.
- Minimum bend radius at 20 mm. to -40 °C
- Maximum exposure temperature (disconnected) 180 °C
- Distance between contacts: 500 mm.



Reference	Description	Family	Pack
AKO-712545	Heating cable 50 W/m to 230 V, silicone insulation	Constant Wattage	100m.(A)
AKO-12192	Splice kit + end	Accessories	1 Unit
AKO-12193	Splice kit to M25 box + end	Accessories	1 Unit
AKO-5238	Termination kit	Accessories	25 Units

(A) The metres of packaged material are the standard ones; however, we reserve the right to supply in different lengths to those indicated.

Constant wattage heating cable

Silicone insulation + metal braid (conductors 2 x 0,75 mm²)



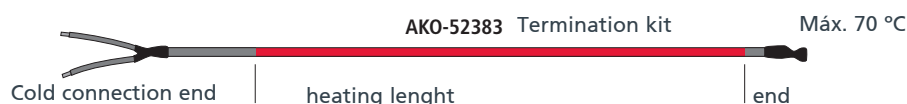
Exposure temperature up to 180 °C with metal protection braid.

Heating cable is used in industrial or commercial refrigeration installations to avoid ice in the drain pipes, door frames and condensation on the surface. A range with braid, giving electrical protection by using it as an earth conductor. It can be cut to size.

Application: Industrial and commercial refrigeration

- Copper conductor at 2 x 0,75 mm²
- Heating conductor element: Ni - Cr
- Nominal outer dimensions 9 x 7 mm.
- Minimum bend radius at 10 mm. to -40 °C
- Maximum exposure temperature (disconnected) 70 °C / 180 °C (*)
- Distance between contacts: 595 mm.

(*): Using kit AKO-70194



Reference	Description	Family	Pack
AKO-52341	Heating cable 30 W/m to 230 V, insulation + metal braid	Constant Wattage	150 m.(A)
AKO-52383	Kit for sealing connection termination + end	Accessories	25 Units
AKO-70194	Kit for connection ends to M25 box + end sealing	Accessories	5 Units

(A) The metres of packaged material are the standard ones; however, we reserve the right to supply in different lengths to those indicated.

Constant wattage heating cable

Silicone insulation + metal braid (conductors 2 x 1,5 mm²)

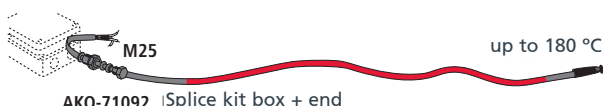


Exposure temperature up to 180 °C with metal protection braid

Heating cable is used in the construction facilities to avoid ice in pipes and sanitary hot water. A range with braid, giving electrical protection by using it as an earth conductor. It can be cut to size.

Application: Construction

- Copper conductor at 2 x 1,5 mm²
- Heating conductor element: Ni - Cr
- Nominal outer dimensions: 9,4 x 6,9 mm
- Minimum bend radius at 20 mm a -40 °C
- Maximum operating temp. (connected) up to 165 °C
- Maximum exposure temp. (disconnected) 180 °C
- Distance between contacts: 1000 mm / 500 mm (for AKO-71025, AKO-71035, AKO-71050)



Reference	Description	Family	Pack
AKO-71010	Heating cable 10 W/m a 230 V, up to 165 °C	Constant Wattage	100 m.(A)
AKO-71015	Heating cable 15 W/m a 230 V, up to 150 °C	Constant Wattage	100 m.(A)
AKO-71020	Heating cable 20 W/m to 230 V, up to 130 °C	Constant Wattage	100 m (A)
AKO-71025	Heating cable 25 W/m a 230 V, up to 115 °C	Constant Wattage	100 m.(A)
AKO-71030	Heating cable 30 W/m to 230 V, up to 95 °C	Constant wattage	100 m (A)
AKO-71035	Heating cable 35 W/m a 230 V, up to 75 °C	Constant Wattage	100 m.(A)
AKO-71050	Heating cable 50 W/m a 230 V, up to 25 °C	Constant Wattage	100 m.(A)
AKO-71092	Kit for connection ends to M25 box + end sealing	Accessories	1 Unit

A) The metres of packaged material are the standard ones; however, we reserve the right to supply in different lengths to those indicated.

Constant wattage heating cable

Silicone insulation + metal braid (power supply 24/48 V)



24/48V power supply with metal protection braid

Heating cable is used in industrial or commercial refrigeration installations to avoid ice in the door frames and condensation on the surface. A range with braid, giving electrical protection by using it as an earth conductor. It can be cut to size.

Application: Industrial and commercial refrigeration

- Copper conductor at 2 x 1,5 mm²
- Heating conductor element: Ni - Cr
- Nominal outler dimensions 9,4 x 6,4 mm.
- Minimum bend radius at 20 mm. to -40 °C
- Maximum exposure temperature (disconnected) 180 °C
- Distance between contacts: 200 mm.



Reference	Description	Family	Pack
AKO-5237*	Heating cable 40 W/m to 48 V, (10 W/m to 24 V)	Constant Wattage	100 m. (A)
AKO-71092	Kit for connection ends to M25 box + end sealing	Accessories	1 Unit

(A) The metres of packaged material are the standard ones; however, we reserve the right to supply in different lengths to those indicated. *Available on request

Constant wattage heating cable

Silicone insulation + metal braid (conductors 2 x 0,75 mm²)

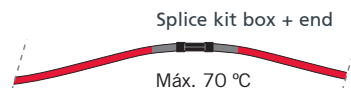


Exposure temperature up to 180 °C with fluoropolymer covering

These are used to maintain the temperature and protection against ice in pipes, on roofs, terraces, ramps, stairs, drains, etc. Maintaining process temperatures up to 155 °C and suitable for corrosive atmospheres and with risk of explosion. They can be cut to size.

Application: Refrigeration, Construction and Industry

- Copper conductor at 2 x 0,75 mm²
- Heating conductor element: Ni - Cr
- Nominal outler dimensions 9,4 x 6,5 mm.
- Minimum bend radius at 20 mm. to -40 °C
- Maximum operating temperature (connected) up to 155 °C
- Maximum exposure temperature (disconnected) 180 °C
- Distance between contacts: 1000 mm.



Reference	Description	Family	Pack
AKO-70115	Heating cable 15 W/m a 230 V, up to 155 °C	Constant Wattage	100m.(A)
AKO-70130	Heating cable 30 W/m a 230 V, up to 115 °C	Constant Wattage	100m.(A)
AKO-70140	Heating cable 40 W/m a 230 V, up to 84 °C	Constant Wattage	50m.(A)
AKO-70192	Splice kit + end, for cables embedded in concrete	Accessories	10Units (B)
AKO-70194	Kit for connection ends to M25 box + end sealing	Accessories	5Units

A) The metres of packaged material are the standard ones; however, we reserve the right to supply in different lengths to those indicated. (B) Minimum, indivisible pack units.

Constant wattage heating cable

Fluoropolymer covering (conductors 2 x 1,5 mm²)

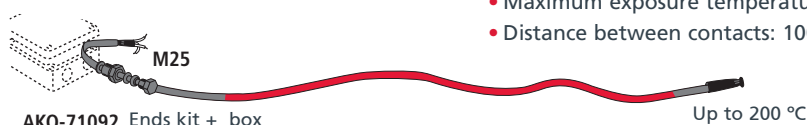


Exposure temperature up to 200 °C with fluoropolymer cover

Heating cable is used to maintain the temperature up to 190 °C and protection against ice in pipes, tanks, etc. Suitable for corrosive atmospheres and with risk of explosion. It can be cut to size.

Application: Industry

- Copper conductor at 2 x 1,5 mm²
- Heating conductor element: Ni - Cr
- Nominal outler dimensions 10,3 x 7,4 mm.
- Minimum bend radius at 20 mm. to -40 °C
- Maximum operating temperature (connected) up to 190 °C
- Maximum exposure temperature (disconnected) 200 °C
- Distance between contacts: 1000 mm. / 500 mm. (for AKO-71150)



Reference	Description	Family	Pack
AKO-71110	Heating cable 10 W/m a 230 V, up to 190 °C	Constant Wattage	100 m.(A)
AKO-71115	Heating cable 15 W/m a 230 V, up to 185 °C	Constant Wattage	100 m (A)
AKO-71120	Heating cable 20 W/m a 230 V, up to 168 °C	Constant Wattage	100 m.(A)
AKO-71125	Heating cable 25 W/m a 230 V, up to 185 °C	Constant wattage	100 m (A)
AKO-71130	Heating cable 20 W/m a 230 V, up to 168 °C	Constant Wattage	100 m.(A)
AKO-71135	Heating cable 35 W/m a 230 V, up to 132 °C	Constant Wattage	100 m.(A)
AKO-71150	Heating cable 50 W/m a 230 V, up to 91 °C	Constant Wattage	100 m.(A)
AKO-71092	Kit for connection ends to M25 box + end sealing	Accessories	1 Unit

(A) The metres of packaged material are the standard ones; however, we reserve the right to supply in different lengths to those indicated.

Self-regulating heating cable

Polyolefin insulation + metal braid



Exposure temperature up to 65 °C with braid for ground connection

Heating cable is used in industrial or commercial refrigeration installations to avoid ice in the drain pipes and condensation on the surface. It can be cut to size.

Application: Refrigeration and construction

- Copper conductor at 2 x 1 mm²
- Nominal outler dimensions 10,2 x 4,8 mm.
- Minimum bend radius at 25 mm. to -30 °C
- Maximum operating temperature (connected) up to 65 °C
- Maximum exposure temperature (disconnected) 65 °C



Reference	Description	Family	Pack
AKO-1221	Heating cable 25 W/m to 10 °C, 230 V (11 W/m, 40 °C)	Self-Regulating	100m. (A)
AKO-12292	Kit for connection ends to M25 box + end sealing	Accessories	1Unit
AKO-5239	Termination kit	Accessories	25Units

(A) The metres of packaged material are the standard ones; however, we reserve the right to supply in different lengths to those indicated.

Self-regulating heating cable

Polyolefin insulation (conductors 2 x 1 mm²)



Exposure temperature up to 65 °C with polyolefin covering

Heating cable is used in the construction facilities to avoid ice in pipes or in the refrigeration to avoid ice. It can be cut to size.

Application: Refrigeration and construction

- Minimum bend radius at 25 mm. to -40 °C
- Maximum operating temperature (connected) 65 °C
- Maximum exposure temperature (disconnected) 65 °C
- Maximum exposure temperature (intermittent, max. 1000 h) 85 °C



Reference	Description	Family	Pack
AKO-71214T	Heating cable 15 W/m to 10 °C, 230 V (9 W/m, 40 °C)	Self-regulating	–
AKO-71218T	Heating cable 30 W/m to 10 °C, 230 V (17 W/m, 40 °C)	Self-regulating	–
AKO-71490	Splice kit to M20 box + end (hot application)	Accessories	1 Unit
AKO-71491	Splice kit to M20 box + end (cold application)	Accessories	1 Unit

Self-regulating heating cable

Polyolefin insulation (conductors 2 x 1,2 mm²)



Exposure temperature up to 65 °C suitable for Ex zone

Heating cable is used in the construction facilities to avoid ice in pipes or in the refrigeration to avoid ice. Suitable for corrosive atmospheres and with risk of explosion. It can be cut to size.

Application: Industry

- Minimum bend radius at 25 mm. to -40 °C
- Maximum operating temperature (connected) 65 °C
- Maximum exposure temperature (disconnected) 65 °C
- Maximum exposure temperature (intermittent, max. 1000 h) 85 °C



Reference	Description	Family	Pack
AKO-71212P	Heating cable 10 W/m to 10 °C, 230 V (5 W/m, 40 °C)	Self-regulating	–
AKO-71214P	Heating cable 15 W/m to 10 °C, 230 V (8 W/m, 40 °C)	Self-regulating	–
AKO-71216P	Heating cable 25 W/m to 10 °C, 230 V (14 W/m, 40 °C)	Self-regulating	–
AKO-71218P	Heating cable 33 W/m to 10 °C, 230 V (20 W/m, 40 °C)	Self-regulating	–
AKO-71492	Splice kit to M20 box + end (hot application)	Accessories	1 Unit
AKO-71493	Splice kit to M20 box + end (cold application)	Accessories	1 Unit

Self-regulating heating cable

Fluoropolymer covering (conductors 2 x 1,2 mm²)

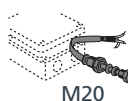


Exposure temperature up to 65 °C with fluoropolymer covering

Heating cable is used to maintain the temperature up to 65 °C in pipes, tanks, etc. Suitable for corrosive atmospheres and with risk of explosion. It can be cut to size.

Application: Industry

- Minimum bend radius at 25 mm. to -40 °C
- Maximum operating temperature (connected) 65 °C
- Maximum exposure temperature (disconnected) 65 °C
- Maximum exposure temperature (intermittent, max. 1000 h) 85 °C

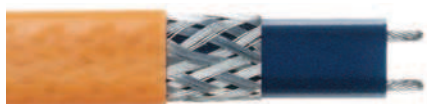


AKO-71492/AKO-71493

Reference	Description	Family	Pack
AKO-71212	Heating cable 10 W/m to 10 °C, 230 V (5 W/m, 40 °C)	Self-regulating	–
AKO-71214	Heating cable 15 W/m to 10 °C, 230 V (8 W/m, 40 °C)	Self-regulating	–
AKO-71216	Heating cable 25 W/m to 10 °C, 230 V (14 W/m, 40 °C)	Self-regulating	–
AKO-71218	Heating cable 33 W/m to 10 °C, 230 V (20 W/m, 40 °C)	Self-regulating	–
AKO-71492	Splice kit to M20 box + end (hot application)	Accessories	1 Unit
AKO-71493	Splice kit to M20 box + end (cold application)	Accessories	1 Unit

Self-regulating heating cable

TPC covering (conductors 2 x 1,25 mm²)



Exposure temperature up to 110 °C with TPC covering

Heating cable is used to maintain the temperature up to 110 °C in pipes, tanks, etc. Suitable for corrosive atmospheres and with risk of explosion. It can be cut to size.

Application: Industry

- Minimum bend radius at 25 mm. to -40 °C
- Maximum operating temperature (connected) 110 °C
- Maximum exposure temperature (disconnected) 110 °C
- Maximum exposure temperature (intermittent, max. 1000 h) 130 °C

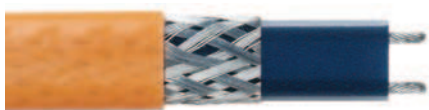


AKO-71494

Reference	Description	Family	Pack
AKO-71241	Heating cable 15 W/m to 10 °C, 230 V (4 W/m, 90 °C)	Self-regulating	–
AKO-71243	Heating cable 30 W/m to 10 °C, 230 V (12 W/m, 90 °C)	Self-regulating	–
AKO-71245	Heating cable 40 W/m to 10 °C, 230 V (18 W/m, 90 °C)	Self-regulating	–
AKO-71494	Splice kit to M20 box + end (cold application)	Accessories	1 Unit

Self-regulating heating cable

Fluoropolymer covering



Exposure temperature up to 120 °C with fluoropolymer covering

Heating cable is used to maintain the temperature up to 120 °C in pipes, tanks, etc. allowed steam cleanings. Suitable for corrosive atmospheres and with risk of explosion, It can be cut to size.

Application: Industry

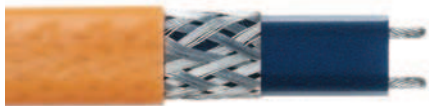
- Minimum bend radius at 25 mm. to -50 °C
- Maximum operating temperature (connected) 120 °C
- Maximum exposure temperature (disconnected) 120 °C
- Maximum exposure temperature (intermittent, max. 1000 h) 190 °C



Reference	Description	Family	Pack
AKO-71250	Heating cable 10 W/m to 10 °C, 230 V (5 W/m, 100 °C)	Self-regulating	–
AKO-71251	Heating cable 15 W/m to 10 °C, 230 V (8 W/m, 100 °C)	Self-regulating	–
AKO-71252	Heating cable 25 W/m to 10 °C, 230 V (14 W/m, 100 °C)	Self-regulating	–
AKO-71253	Heating cable 30 W/m to 10 °C, 230 V (19 W/m, 100 °C)	Self-regulating	–
AKO-71255	Heating cable 45 W/m to 10 °C, 230 V (27 W/m, 100 °C)	Self-regulating	–
AKO-71258	Heating cable 60 W/m to 10 °C, 230 V (37 W/m, 100 °C)	Self-regulating	–
AKO-71494	Splice kit to M20 box + end (cold application)	Accessories	1 Unit

Self-regulating heating cable

Fluoropolymer covering



Exposure temperature up to 200 °C with fluoropolymer covering

Heating cable is used to maintain the temperature up to 200 °C in pipes, tanks, etc. allowed steam cleanings. Suitable for corrosive atmospheres and with risk of explosion. It can be cut to size.

Application: Industry

- Minimum bend radius at 25 mm. to -55 °C
- Maximum operating temperature (connected) 200 °C
- Maximum exposure temperature (disconnected) 200 °C
- Maximum exposure temperature (intermittent, max. 1000 h) 250 °C
- Installed ending kit inside the box and outside the insulation



Reference	Description	Family	Pack
AKO-71261	Heating cable 30 W/m to 10 °C, 230 V (4 W/m, 120 °C)	Self-regulating	–
AKO-71263	Heating cable 45 W/m to 10 °C, 230 V (9 W/m, 120 °C)	Self-regulating	–
AKO-71265	Heating cable 60 W/m to 10 °C, 230 V (19 W/m, 120 °C)	Self-regulating	–
AKO-71267	Heating cable 75 W/m to 10 °C, 230 V (24 W/m, 120 °C)	Self-regulating	–
AKO-71495	Splice kit to M20 box + end (cold application)	Accessories	1 Unit

Series cable

Silicone insulation



Heating cable with silicone insulation

They are apt for protection against frost and temperature maintenance in the refrigeration industry. Particularly suitable for domestic electricity, protection against frost in machines of the cold storage industry and the refrigeration industry.

Aplicación: Refrigeration and Industry

- Minimum bend radius at 10 mm. to -40 °C
- Maximum exposure temperature (disconnected) 180 °C



Flexible silicone range of 50W/m

Reference	Description	Family	Pack
AKO-71370	Heating cable 2 m lenght , 1 m heating area, 50 W, 230 V	Series Cable	10 Units
AKO-71371	Heating cable 2,3 m lenght , 1,3 m heating area 65 W, 230 V	Series Cable	10 Units
AKO-71372	Heating cable 2,5 m lenght , 1,5 m heating area 75 W, 230 V	Series Cable	10 Units
AKO-71373	Heating cable 3 m lenght , 2 m heating area 100 W, 230 V	Series Cable	10 Units
AKO-71374	Heating cable 4 m lenght , 3 m heating area 150 W, 230 V	Series Cable	10 Units
AKO-71375	Heating cable 5 m lenght , 4 m heating area 200 W, 230 V	Series Cable	10 Units
AKO-71376	Heating cable 6 m lenght , 5 m heating area 250 W, 230 V	Series Cable	10 Units
AKO-71377	Heating cable 7 m lenght , 6 m heating area 300 W, 300 V	Series Cable	10 Units
AKO-71378	Heating cable 8 m lenght , 7 m heating area 350 W, 230 V	Series Cable	10 Units
AKO-71379	Heating cable 9 m lenght , 8 m heating area 400 W, 230 V	Series Cable	10 Units

Flexible silicone range of 15W/m

Reference	Description	Family	Pack
AKO-71382	Heating cable 2,5 m lenght , 1,5 m heating area, 22,5 W, 230 V	Series Cable	10 Units
AKO-71383	Heating cable 3 m lenght , 2 m heating area, 30 W, 230 V	Series Cable	10 Units
AKO-71384	Heating cable 4 m lenght , 3 m heating area, 45 W, 230 V	Series Cable	10 Units
AKO-71385	Heating cable 5 m lenght , 4 m heating area, 60 W, 230 V	Series Cable	10 Units
AKO-71386	Heating cable 6 m lenght , 5 m heating area, 75 W, 230 V	Series Cable	10 Units
AKO-71387	Heating cable 7 m lenght , 6 m heating area, 90 W, 230 V	Series Cable	10 Units
AKO-71388	Heating cable 8 m lenght , 7 m heating area, 105 W, 230 V	Series Cable	10 Units
AKO-71389	Heating cable 9 m lenght , 8 m heating area, 120 W, 230 V	Series Cable	10 Units

Series cable

Quartz fiber insulation



Exposure temperature up to 900 °C with quartz fiber insulation.

Quartz fiber insulation. Very flexible to adapt it to very small pipes. Installation in dry places with no risk of humidity. These kinds of heating cables are suitable for heating pipes and surfaces up to a maximum temperature of 800 °C.

Application: Industry

- Minimum bend radius at -20 °C 10 mm
- Maximum operating temperature (connected) 800 °C
- Maximum exposure temperature (disconnected) 900 °C



Reference	Description	Family	Pack
AKO-71321	Heating cable 1 m long, 170 W, 230 V	Series Cable	1 Unit
AKO-71323	Heating cable 3 m long, 500 W, 230 V	Series Cable	1 Unit
AKO-71325	Heating cable 5 m long, 800 W, 230 V	Series Cable	1 Unit

Series cable

Mineral insulation + Stainless covering

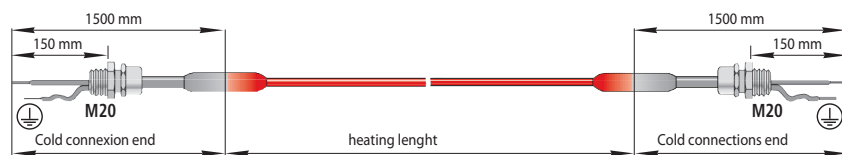


Exposure temperature up to 600° C with mineral insulation

Magnesium oxide insulation. Stainless steel exterior covers. Sufficient flexibility to adapt it to surfaces. These kinds of cables are used to heat pipes, tanks, hoppers and other processing equipment up to 530 °C and in cases where cables must withstand up to 600 °C with the cables disconnected.

Application: Industry

- Minimum bend radius at 32 mm. to -20 °C
- Maximum operating temperature (connected): 530 °C
- Maximum exposure temperature (disconnected) 600 °C



Reference	Description	Family	Pack
AKO-71301A	Heating cable 12 m long, 440 W, 230 V, up to 530 °C (safe area)	Series Cable	1 Unit
AKO-71263	Heating cable 20 m long, 1537 W, 230 V, up to 430 °C (safe area)	Series Cable	1 Unit

Heating resistances

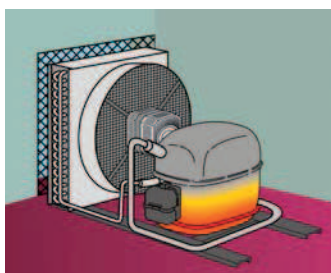
Refrigeration compressors



Universal resistance for hermetic compressors

Heating resistances for refrigerator compressors. They prevent the coolant absorbing oil and are suitable for any type of compressor in a cylindrical or oval shape, boiler or tank.

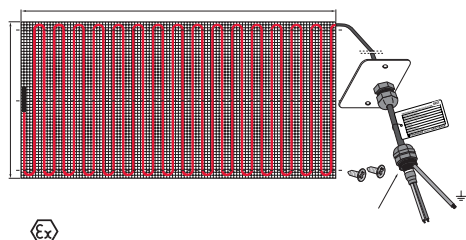
Application: Industrial



Reference	Description	Family	Pack
AKO-71863	Compressor heating cable res 35 W, 120 mm Ømin x 175 mm Ømax.	Accessories	2 Units
AKO-71864	Compressor heating cable res 45 W, 150 mm Ømin x 280 mm Ømax.	Accessories	2 Units
AKO-71866	Compressor heating cable res 65 W, 220 mm Ømin x 320 mm Ømax.	Accessories	2 Units
AKO-71867	Compressor heating cable res 75 W, 245 mm Ømin x 370 mm Ømax.	Accessories	2 Units

Heaters

Heating panels

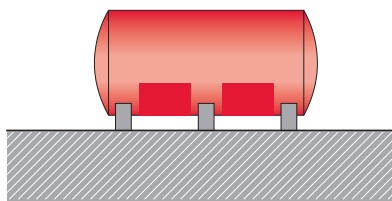


Exposure temperature up to 185 °C, flexible for heating tanks and surfaces

Power outputs of 375 W and 875 W. Installed on galvanized metal fabric. They are used to maintain the temperature in horizontal tanks.

Application: Industry

- Nominal dimensions 800 x 1620 mm
- Maximum exposure temperature (connected) up to 185 °C
- Maximum exposure temperature (disconnected) up to 200 °C
- Heating cable AKO-71115 and AKO-71135



Reference	Description	Family	Pack
AKO-71515	Panel 0,8 x 1,62 m, 375 W, 230 V, up to 185 °C	Drum and Tank Heaters	1 Unit
AKO-71535	Panel 0,8 x 1,62 m, 875 W, 230 V, up to 132 °C	Drum and Tank Heaters	1 Unit

Heating bands

Flexibe bands with thermostat



Flexible pipes for heating metal drums

Easy to fix the drum. They are usually used to melt solids, liquate viscous materials and maintain the temperature of contained products.

Application: Industry



- For standard metal drums from 25 to 200 L
- Powers from 300 W to 1500 W
- Power supply cable 2 m
- Temperature range of thermostat 20 to 120 °C
- Silicone insulation with fiberglass

Reference	Description	Family	Pack
AKO-80034T	Band 1000 W, 230 V, for 200 l drums	Drum and Tank Heaters	2 Units
AKO-80035T	Band 800 W, 230 V, for 105 l drums	Drum and Tank Heaters	1 Unit
AKO-80036T	Band 500 W, 230 V, for 50 l drums	Drum and Tank Heaters	1 Unit
AKO-80037T	Band 300 W, 230 V, for 25 l drums	Drum and Tank Heaters	1 Unit
AKO-80038T	Band 1500 W, 230 V, for 200 l drums	Drum and Tank Heaters	1 Unit

Heater jacket

Heater Jacket



Container heaters to 1000 L square tanks

This heater jacket has quick release adjustable buckles for ease of installation and removal and is designed with upper and lower heat zones, each with separate thermostatic control. This allows for the upper heating zone to be switched off once the content level has fallen below half way.

Application: Industry

- Power supply cable 4 m
- Two circuits each 1000 W to 230 V
- Thermostat from 0 to 90 °C
- Included top cap
- Dimensions: 4400 x 1000 mm

Reference	Description	Family	Pack
AKO-80041	Container heater to 1000 l square tanks, 2 x 1000 W, 230 V	Drum and Tank Heaters	1 Unit

Heaters

Drum heaters



AKO-718520



AKO-718510

For products highly sensitive to temperature in a safe area

Carbon steel diffuser, thermal insulation of 40 mm of glass fiber. They have guides that allow them to be stacked to achieve the required height. Gentle product heating. They are used to melt solids and liquefy viscous materials or materials that are problematic due to their sensitivity to heat, such as greases, glucose, honey, tar, paints, varnishes, phenols, waxes, etc.

Application: Industry

- Power supply cable 3 m.
- Power up to 2915 W per drum
- Outer diameter 750 mm
- Inner diameter 620 mm
- Height 440 mm

Reference	Description	Family	Pack
AKO-718510	Base heater 465 W, 230 V	Drum and Tank Heaters	1 Unit
AKO-718520	Ring heater 1225 W, 230 V	Drum and Tank Heaters	1 Unit

Heaters

Drum heaters



For products highly sensitive to temperature in the Ex area.

Carbon steel diffuser, thermal insulation of 40 mm of glass fiber. They have guides that allow them to be stacked to achieve the required height. Gentle product heating. They are used to melt solids and liquefy viscous materials or materials that are problematic due to their sensitivity to heat, such as greases, glucose, honey, tar, paints, varnishes, phenols, waxes, etc.

Application: Industry

- Power cable 3 m
- Power up to 2.200 W per drum
- Outer diameter 750 mm
- Inner diameter 620 mm
- Height 440 mm

Reference	Description	Family	Pack
AKO-718720	Ring heater 1100 W, to 10 °C with self-regul. cable	Drum and Tank Heaters	1 Unit

Accessories



Junction boxes

Plastic boxes very resistant to corrosion and suitable for outdoor installation.

Application: Refrigeration, Construction and Industry

Reference	Description	Family	Pack
AKO-71613	Junction box, with 3 inputs (1 M20, 2 M12), for 2 probes	Accessories	1 Unit
AKO-71608	Stainless steel junction box, with 4 inputs M25, Ex area	Accessories	1 Unit
AKO-71609	Stainless steel junction box, with 4 inputs M25, safe area	Accessories	1 Unit
AKO-71614	Stainless steel junction box, with 4 inputs (1 M25, 3 M20), Ex area	Accessories	1 Unit
AKO-71616	GFRP junction box, with 4 inputs M25, Ex area	Accessories	1 Unit
AKO-71611	GFRP junction box, with 4 inputs M25, safe area	Accessories	1 Unit
AKO-71615	GFRP junction box, with 4 inputs (1 M25, 3 M20), Ex area	Accessories	1 Unit

Accessories



Fixing supports and protectors

Stainless steel support for fixing to boxes. Kits for crossing lagging, used to prevent the heating cables from being damaged.

Application: Refrigeration, Construction and Industry

Reference	Description	Family	Pack
AKO-71620	Cable protector in pipe lagging up to 100 mm. Tª máx 200 °C	Accessories	5 Units
AKO-71628	Protector for heating cables in sharp edges	Accessories	20 Units (B)
AKO-71629	Cable protector in tank lagging	Accessories	1 Unit
AKO-71625	Support for fixing boxes to the AKO-71620 protector	Accessories	5 Units
AKO-71678	Support for junction box. Up to 140 mm insulation	Accessories	10 Units
AKO-717425	Support for thermostats and boxes up to 100 mm	Accessories	1 Unit
AKO-1901	Stainless steel screw set to make clamp	Accessories	50 Units (B)
AKO-1903	Stainless steel band for clamps	Accessories	30 m (B)



Accessories for installing heating cables

A range of accessories for sealing, fixing, signalling and identifying heating cables makes their installation easy on pipes, tanks and surfaces in general.

Application: Industry and construction

Reference	Description	Family	Pack
AKO-712699	Tube of high temperature sealing silicone 75 ml	Accessories	5 Units
AKO-71630	Support for heating cable in vertical tanks	Accessories	1 Unit
AKO-71635	Installation support for heating cables on roofs and gutters	Accessories	10 Units (B)
AKO-71666	Self-vulcanising sealing tape 9,15 x 19 mm	Accessories	10 Units
AKO-717440	50 m roll of aluminium adhesive tape	Accessories	1 Unit
AKO-717441	33 m roll of glass fiber adhesive tape	Accessories	5 Units
AKO-717445	Set of 5 AKO-TRACE signalling labels	Accessories	1 Unit
AKO-71751	Set of 5 heating section identification labels	Accessories	1 Unit

(B) Minimum, indivisible pack units.



With hot-weld glue for humidity-proof seals. They are used to seal and protect cable splices from humidity.

- Retracts up to 33% of its original size
- Contraction temperature >125 °C
- Operating temperature from -30 °C to +80 °C
- Flexible modified polyolefin material black with interior hot-weld glue

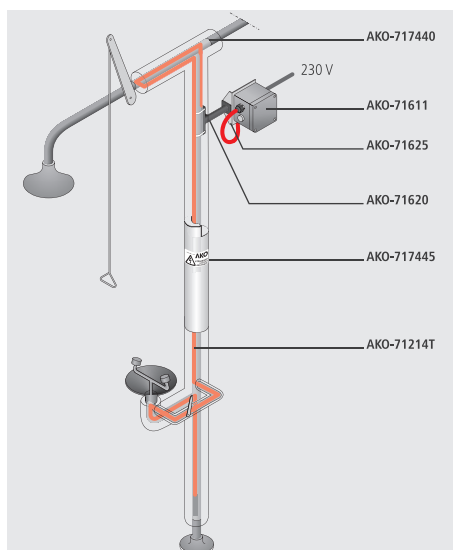
Reference	Description	Family	Pack
AKO-52401	Heat shrinkable sleeve diameter 12/4 mm, length 1.2 m	Accessories	1 Unit
AKO-52402	Heat shrinkable sleeve diameter 12/4 mm, length 50 mm	Accessories	25 Units
AKO-52403	Heat shrinkable sleeve diameter 6/2 mm, length 1.2 m	Accessories	1 Unit
AKO-52404	Heat shrinkable sleeve diameter 6/2 mm, length 75 mm	Accessories	25 Units

AKOKIT

Heating cable kit



Pipes and emergency systems



AKO-SAFE

Kit to prevent freezing and maintain the temperature in pipes and emergency systems

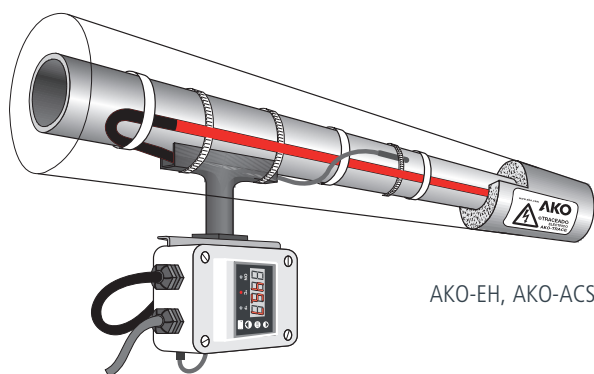
Electric heating of thermally insulated piping by constant power parallel heating cable.

Application: Industry and construction

- Maximum exposure temperature 70 °C (due to the use of heat shrink tubing on the end).
- Minimum ambient temperature -10 °C for external piping.
- Minimum ambient temperature 5 °C for indoor piping.
- Minimum temperature stabilization of water 15 °C for installation in showers and 10 °C in water supply pipes for hose reel and hydrant systems.
- Kit for use in ordinary areas.

Immediate solution for your heat-tracing projects Without the need for specific technical knowledge. Does not require complex technical calculations. Does not need special tools or handling.

All kits come with the right cable and amounts for each type of application, their accessories, assembly instructions and control elements (in those where this is necessary)



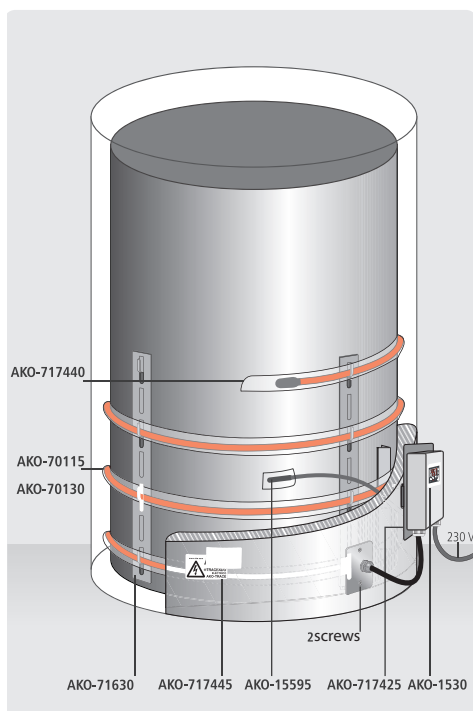
AKO-EH, AKO-ACS, AKO-TI

Kit items:



Reference	Description	Family	Pack
AKO-EH-10	Heat Tracing kit to prevent freezing in pipes up to 5" and 10 m	AKOKITS	1 Unit
AKO-EH-20	Heat Tracing kit to prevent freezing in pipes up to 5" and 20 m	AKOKITS	1 Unit
AKO-EH-40	Heat Tracing kit to prevent freezing in pipes up to 5" and 40 m	AKOKITS	1 Unit
AKO-EH-80	Heat Tracing kit to prevent freezing in pipes up to 5" and 80 m	AKOKITS	1 Unit
AKO-ACS-10	Heat Tracing kit for ACS pipes up to 2" and 10 m	AKOKITS	1 Unit
AKO-ACS-20	Heat Tracing kit for ACS pipes up to 2" and 20 m	AKOKITS	1 Unit
AKO-ACS-40	Heat Tracing kit for ACS pipes up to 2" and 40 m	AKOKITS	1 Unit
AKO-ACS-80	Heat Tracing kit for ACS pipes up to 2" and 80 m	AKOKITS	1 Unit
AKO-TI10-METAL	Heat Tracing kit for metal pipes up to 3", 60 °C and 10 m	AKOKITS	1 Unit
AKO-TI20-METAL	Heat Tracing kit for metal pipes up to 3", 60 °C and 20 m	AKOKITS	1 Unit
AKO-TI40-METAL	Heat Tracing kit for metal pipes up to 3", 60 °C and 40 m	AKOKITS	1 Unit
AKO-TI80-METAL	Heat Tracing kit for metal pipes up to 3", 60 °C and 80 m	AKOKITS	1 Unit
AKO-TI10-PLAST	Heat Tracing kit for plastic pipes up to 3", 30 °C and 10 m	AKOKITS	1 Unit
AKO-TI20-PLAST	Heat Tracing kit for plastic pipes up to 3", 30 °C and 20 m	AKOKITS	1 Unit
AKO-TI40-PLAST	Heat Tracing kit for plastic pipes up to 3", 30 °C and 40 m	AKOKITS	1 Unit
AKO-TI80-PLAST	Heat Tracing kit for plastic pipes up to 3", 30 °C and 80 m	AKOKITS	1 Unit
AKO-SAFE	Kit to avoid freezing in emergency systems (Showers, hose-reels, etc)	AKOKITS	1 Unit

Tanks and hoppers



AKO-DV

Kit to maintain the temperature in tanks and hopper walls to prevent condensation.

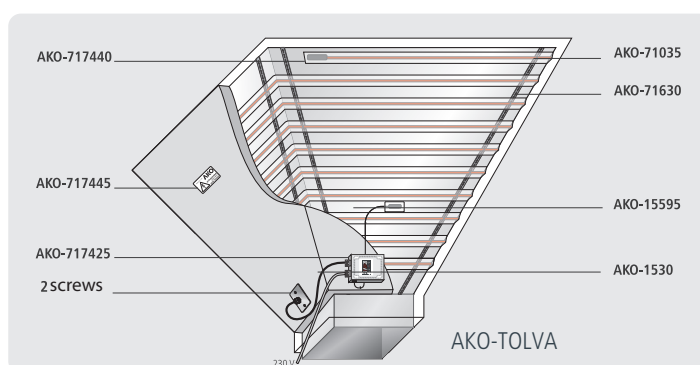
Electric heating of thermally insulated vertical and horizontal tanks and hoppers by constant power parallel heating cable.

Application: Industry and construction

- Maximum exposure temp. 70 °C (due to the use of heat shrink tubing on the end).
- Maximum exposure temperature of 200 °C on unconnected panels.
- Minimum external ambient temperature -10 °C
- Kit for use in ordinary areas.

Immediate solution for your heat-tracing projects Without the need for specific technical knowledge. Does not require complex technical calculations. Does not need special tools or handling.

All kits come with the right cable and amounts for each type of application, their accessories, assembly instructions and control elements (in those where this is necessary)



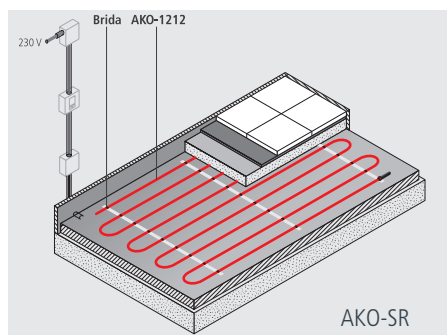
AKO-TOLVA

Kit items:



Reference	Description	Family	Pack
AKO-DV-1M3-METAL	Heat tracing kit for maintaining up to 60 °C on vertical steel tanks < 1 m ³	AKOKITS	1 Unit
AKO-DV-2M3-METAL	Heat tracing kit for maintaining up to 60 °C on vertical steel tanks < 2 m ³	AKOKITS	1 Unit
AKO-DV-5M3-METAL	Heat tracing kit for maintaining up to 60 °C on vertical steel tanks < 5 m ³	AKOKITS	1 Unit
AKO-DV-10M3-METAL	Heat tracing kit for maintaining up to 60 °C on vertical steel tanks < 10 m ³	AKOKITS	1 Unit
AKO-DV-1M3-PLAST	Heat tracing kit for maintaining up to 30 °C on vertical steel tanks < 1 m ³	AKOKITS	1 Unit
AKO-DV-2M3-PLAST	Heat tracing kit for maintaining up to 30 °C on vertical steel tanks < 2 m ³	AKOKITS	1 Unit
AKO-DV-5M3-PLAST	Heat tracing kit for maintaining up to 30 °C on vertical steel tanks < 5 m ³	AKOKITS	1 Unit
AKO-DV-10M3-PLAST	Heat tracing kit for maintaining up to 30 °C on vertical steel tanks < 10 m ³	AKOKITS	1 Unit
AKO-DH-3M3-METAL	Heat tracing kit for maintaining up to 60 °C on horizontal steel tanks < 3 m ³	AKOKITS	1 Unit
AKO-DH-5M3-METAL	Heat tracing kit for maintaining up to 60 °C on horizontal steel tanks < 5 m ³	AKOKITS	1 Unit
AKO-DH-10M3-METAL	Heat tracing kit for maintaining up to 60 °C on horizontal steel tanks < 10 m ³	AKOKITS	1 Unit
AKO-DH-2M3-PLAST	Heat tracing kit for maintaining up to 30 °C on horizontal steel tanks < 2 m ³	AKOKITS	1 Unit
AKO-DH-5M3-PLAST	Heat tracing kit for maintaining up to 30 °C on horizontal steel tanks < 5 m ³	AKOKITS	1 Unit
AKO-DH-10M3-PLAST	Heat tracing kit for maintaining up to 30 °C on horizontal steel tanks < 10 m ³	AKOKITS	1 Unit
AKO-TOLVA-5M2	Heat tracing kit for maintaining up to 70 °C on hopper walls < 5 m ²	AKOKITS	1 Unit
AKO-TOLVA-12M2	Heat tracing kit for maintaining up to 70 °C on hopper walls < 12 m ²	AKOKITS	1 Unit
AKO-TOLVA-20M2	Heat tracing kit for maintaining up to 70 °C on hopper walls < 20 m ²	AKOKITS	1 Unit
AKO-TOLVA-30M2	Heat tracing kit for maintaining up to 70 °C on hopper walls < 30 m ²	AKOKITS	1 Unit

Underfloor heating



Kit for underfloor heating

Electric heating with constant power cable of underfloors and exterior surfaces (e.g. streets, ramps, terraces, roads).

Application: Construction

- Maximum exposure temperature 70 °C
- Minimum ambient temperature -5 °C for radiant floor.
- Minimum ambient temperature -20 °C for heating of exterior surfaces.
- Kit for use in ordinary areas.

Immediate solution for your heat-tracing projects Without the need for specific technical knowledge. Does not require complex technical calculations. Does not need special tools or handling.

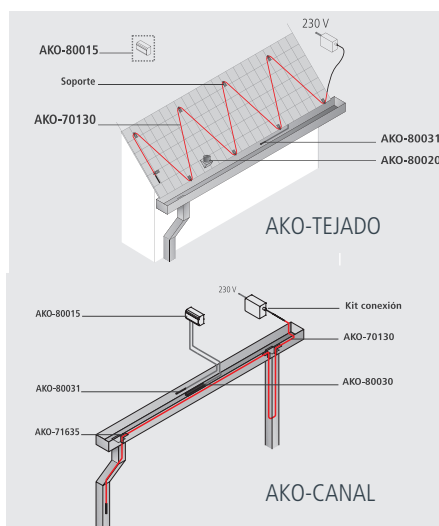
All kits come with the right cable and amounts for each type of application, their accessories, assembly instructions and control elements (in those where this is necessary).

Kit items:



Reference	Description	Family	Pack
AKO-SR-5M2	Kit for underfloor heating up to 5 m2	AKOKITS	1 Unit
AKO-SR-10M2	Kit for underfloor heating up to 10 m2	AKOKITS	1 Unit
AKO-SR-20MS	Kit for underfloor heating up to 20 m2	AKOKITS	1 Unit
AKO-SE-10M2	Kit for heating exterior surfaces up to 10 m2	AKOKITS	1 Unit
AKO-SE-20M2	Kit for heating exterior surfaces up to 20 m2	AKOKITS	1 Unit
AKO-SE-40MS	Kit for heating exterior surfaces up to 40 m2	AKOKITS	1 Unit
AKO-SE-60MS	Kit for heating exterior surfaces up to 60 m2	AKOKITS	1 Unit

Roofs and Gutters



Kit for preventing ice and snow buildup on roofs and in drainage channels.
Constant power parallel heating cable on roofs and gutters.

Application: Construction

- Maximum exposure temperature 70 °C
- Minimum ambient external temperature -20 °C
- Kit for use in ordinary area

Immediate solution for your heat-tracing projects Without the need for specific technical knowledge. Does not require complex technical calculations. Does not need special tools or handling.

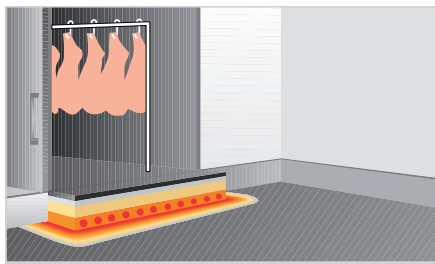
All kits come with the right cable and amounts for each type of application, their accessories, assembly instructions and control elements (in those where this is necessary).

Kit items:



Reference	Description	Family	Pack
AKO-TEJADO-15M	Kit for heating up to 15 m long roof overhang	AKOKITS	1 Unit
AKO-TEJADO-30M	Kit for heating up to 30 m long roof overhang	AKOKITS	1 Unit
AKO-TEJADO-45M	Kit for heating up to 45 m long roof overhang	AKOKITS	1 Unit
AKO-TEJADO-60M	Kit for heating up to 60 m long roof overhang	AKOKITS	1 Unit
AKO-CANAL-50M	Kit for heating up to 50 m length of guttering	AKOKITS	1 Unit
AKO-CANAL-100M	Kit for heating up to 100 m length of guttering	AKOKITS	1 Unit
AKO-CANAL-150M	Kit for heating up to 150 m length of guttering	AKOKITS	1 Unit
AKO-CANAL-200M	Kit for heating up to 200 m length of guttering	AKOKITS	1 Unit

Solutions for refrigeration



Solution for industrial and commercial refrigeration

Electric heating with constant power cable to prevent formation of condensation on display windows and the protection of cold room entrances, doors and floors.

Application: Construction and refrigeration

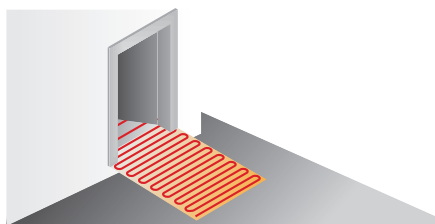
Kit items:



- Maximum exposure temperature 70 °C
- Minimum temperature of -25 °C in display case.
- Minimum temperature of -30 °C in cold rooms.
- Kit for use in ordinary areas.

Immediate solution for your heat-tracing projects Without the need for specific technical knowledge. Does not require complex technical calculations. Does not need special tools or handling. All kits come with the right cable and amounts for each type of application, their accessories, assembly instructions and control elements (in those where this is necessary).

Reference	Description	Family	Pack
AKO-SC-20M2	Kit for heating cold room underfloors up to 20 m2	AKOKITS	1 Unit
AKO-SC-40M2	Kit for heating cold room underfloors up to 40 m2	AKOKITS	1 Unit
AKO-SC-60M2	Kit for heating cold room underfloors up to 60 m2	AKOKITS	1 Unit
AKO-SC-80M2	Kit for heating cold room underfloors up to 80 m2	AKOKITS	1 Unit
AKO-SC-100M2	Kit for heating cold room underfloors up to 100 m2	AKOKITS	1 Unit



Solution for industrial and commercial refrigeration

Electric heating with constant power cable to prevent formation of condensation on display windows and the protection of cold room entrances, doors and floors.

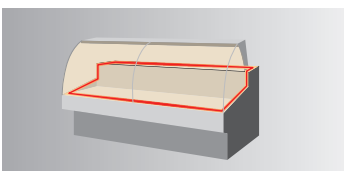
Application: Construction and refrigeration

Kit items:



- Maximum exposure temperature 70 °C
- Minimum temperature of -25 °C in display case.
- Minimum temperature of -30 °C in cold rooms.
- Kit for use in ordinary areas.

Reference	Description	Family	Pack
AKO-EC-100	Kit for heating cold room entrances up to 1 m wide	AKOKITS	1 Unit
AKO-EC-150	Kit for heating cold room entrances up to 1,5 m wide	AKOKITS	1 Unit
AKO-EC-200	Kit for heating cold room entrances up to 2 m wide	AKOKITS	1 Unit
AKO-EC-250	Kit for heating cold room entrances up to 2,5 m wide	AKOKITS	1 Unit
AKO-EC-300	Kit for heating cold room entrances up to 3 m wide	AKOKITS	1 Unit



Solution for industrial and commercial refrigeration

Electric heating with constant power cable to prevent formation of condensation on display windows and the protection of cold room entrances, doors and floors.

Application: Construction and refrigeration

Kit items:



- Maximum exposure temperature 70 °C
- Minimum temperature of -25 °C in display case.
- Minimum temperature of -30 °C in cold rooms.
- Kit for use in ordinary areas.

Reference	Description	Family	Pack
AKO-MPC-4M	Kit for heating cold room door and window frames up to 4 m	AKOKITS	1 Unit
AKO-MPC-8M	Kit for heating cold room door and window frames up to 8 m	AKOKITS	1 Unit
AKO-MPC-12M	Kit for heating cold room door and window frames up to 12 m	AKOKITS	1 Unit