

# HOT news

[www.elektra.eu](http://www.elektra.eu)

Keeping our partners up to date

## 25 years!

In 2010 ELEKTRA celebrates 25 years of activity. Established in 1985, the company is currently the largest and most reputable producer of underfloor heating systems in Central Europe.



Throughout the EU and around the world, ELEKTRA

products are readily available through a network of approved and authorized distributors, installers and even dedicated websites.

Distribution in dozens of countries across Europe, Asia, North America and Australia.

### NEW PRODUCT



**ELEKTRA SelfTec®PRO heating cable**

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### NEW PRODUCT



**ELEKTRA OCD4 temperature controller**

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### NEW PRODUCT



**Heating cables for shipbuilding industry**

page 4

## ELEKTRA SelfTec®DW self-regulating heating cables

ELEKTRA SelfTec®DW is a new self-regulating heating cable available in the ELEKTRA product range. The external sheath of the cable is manufactured from LDPE polyethylene approved for drinking water applications. Therefore enabling the use inside the drinking water pipelines.

They are especially suitable for the situations where the pipe access is difficult e.g. due to the external insulation already installed, or even impossible – when the pipeline is located inside, or passes through walls.



**ELEKTRA SelfTec®DW**

ELEKTRA SelfTec DW ... 10W...

to be continued at page 2

## See us live

Nowadays, with improving telecommunication and computer technologies, Internet has been growing in popularity especially in the application of acquiring new information.

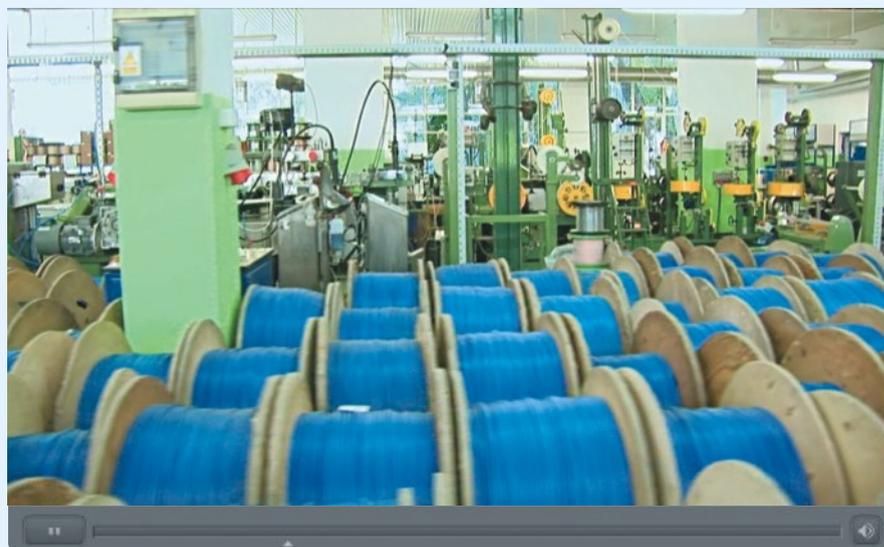


 Continuation from page 1

Main applications for the SelfTec®DW heating cable include de-icing and snow melting protection systems for equipment susceptible to damage caused by low temperature, such as externally mounted pipes and those in unheated rooms. The installation is performed inside the pipelines, and therefore no major modifications of water pipeline system are necessary. In case of an already insulated pipe, insulation removal will not be necessary. The self-regulating heating cables are maintenance free, overheating proof and allow for the effective energy use.

For many years now, the [www.elektra.eu](http://www.elektra.eu) website has been featuring hot news in the area of electric heating market, together with snow-melting, ventilation and central vacuum cleaning.

Feel free to visit our website and enjoy our new corporate presentation movie at [www.video.elektra.eu](http://www.video.elektra.eu).



**NEW  
P R O D U C T**

**ELEKTRA  
OCD4**

The well-known ELEKTRA OCD series has been enhanced with one more programmable temperature controller OCD4 1999. This OCD4 model not only includes all the functions of its predecessors, e.g. can operate as the floor sensor equipped controller with the possibility of presetting the minimum and maximum floor temperature, or

# New temperature controller

the air sensor with the possibility of presetting the minimum or maximum air temperature, day programming in the 4-event mode and the week mode, but enhances them with additional functions.

The most important new OCD4 controller functions, not possible in earlier versions, are:

- new, larger dot-matrix display with backlight, is "hot news" not yet available in the existing controllers, enabling clearer user operation,
- multiple languages for the display,
- child protection, or protection against accidental settings modification (e.g. when the controller is widely accessible),
- free indicator selection for displaying in the main window,
- "party mode", enables the temporary comfort temperature setting for individual event,
- energy consumption control – after inputting the kWh price and the heating

system Watt power, it will calculate the total heating running costs,

- power controller – this function enables the controller operation without temperature sensors, when only the heating load is controlled with which the system is supposed to operate, it is set in %,
- decreased depth, only 20 mm., enables mounting in the standard recessed wall installation box,
- intuitive menu of the controller enables the easy programming, practically with no reference to the manual, which is of great help for the users.

One of the biggest advantages of OCD4 is that it can cooperate with any NTC sensor from any manufacturer, without damage to the controller, or invalidating the warranty restrictions. The only necessary action is the temperature calibration.

Last but not least, the important feature is a modern and attractive controller design, as presented in the accompanying picture.

**NEW  
P R O D U C T**

Major applications of such heating cables are anti-frost protection systems for the elements of ships susceptible to damage caused by low temperatures, e.g. media pipes, valves, servo motors, release pipes, gutters and other items located outdoors or indoors in unheated areas.

# ELEKTRA SelfTec®S

## Self-regulating cables for shipbuilding industry

The cables external coating is manufactured from halogen-free material (modified polyolefins), therefore ensuring no halogen emissions in case of fire.

Self-regulating heating cables have been awarded the certificate of Bureau Veritas of France allowing installation on ships, as well as comply with the following standards: IEC 60800, IEC 61423-1/2, IEC 60811, IEC 60332-1, EN 50267-2-1/2, EN 50366, EN 60335-1.


**ELEKTRA  
SelfTec®S**

**NEW  
PRODUCT**

# ELEKTRA VCD S

## Heating cables

ELEKTRA VCD S heating cables are ready to lay, constant resistance cables consisting of a heating wire terminated with a cold tail.

Typical applications for installation of ships include:

- VCD S 10 – floor heating, anti-frost pipe protection,
- VCD S 17 – floor heating for ships and oil rigs,
- VCD S 20 – external surface anti-frost protection,
- VCD S 25 – external surface anti-frost and snow- melting protection, e.g. stairs, ship decks & drainage systems.



VCD S heating cable have been awarded the certificate of Bureau Veritas of France allowing installation on ships, as well as comply with the following standards :  
IEC 60800, IEC 61423-1/2, IEC 60811,  
IEC 60332-1, EN 50267-2-1/2,  
EN 50366, EN 60335-1.



## New holders for gutters and downpipes

As the company always strives to improve the range of system solutions offered, Elektra is pleased to introduce new holders for gutters and downpipes providing protection against freezing based on VCDR and SelfTec® heating cable technology.

The holders have been equipped with new, more comfortable profile, greatly improving heating cable installation. Additionally, the clip spacings have been modified to optimise installation.

The holders are now equipped with a brand new clip which, thanks to the increased diameter, enables easier and faster mounting on the gutter's edge.

**ELEKTRA**  
 INFORMATION

# 400V heating cables and mats

Responding to the customers' demands, ELEKTRA has designed and introduced new 400V VCD25 heating cables and SnowTec™ heating mats, securing the high efficiency operation.

VCD heating cables are produced in compliance with the EN 60335-1 standard, and are offered as ready to install heating sets. They consist of a double core screened heating wire, terminated at one end with a 4-m-long cold tail, and the overall dimensions are 5 x 7 mm.

SnowTec™ 400 V heating mats consist of a VCD heating cable, attached to a special fiberglass mesh, creating a complete heating mat of a 60 cm width. Such solution enables fast and very economical installation of the mats in the ground.

These products definitely enable the reduction of the capital costs of anti-frost protection.



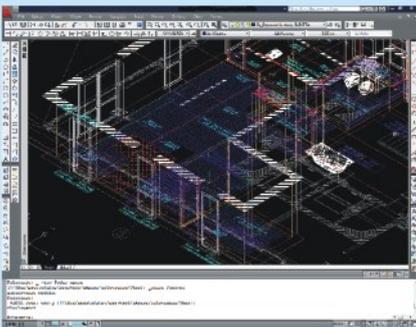
The products are designed for the 400V phase-phase voltage, therefore enabling the lengthening of individual heating sets and significant increase of the total

power, in comparison to the 230V solutions. Due to this, it is also possible to decrease the number of connecting points, together with decreasing the price of the electrical switchboard.

These 400V mats and cables are meant for large or medium-sized installation systems, protecting against snow and ice, such as: car parks, pedestrian bridges, garage drives, or drives for public transport means.

Everywhere, where safety is the priority and the availability of high power exists, due to the fact of large areas serviced, new 400V heating cables and mats will fulfill their function effectively.

## AutoCAD Library



ELEKTRA's priority has always been passing on the reliable technical information concerning the product range. We have always taken great care to enable a prospective customer to gain the proper knowledge of our products, necessary for correct selection of the adequate heating system.

One of our priorities is the continuous improvement of the quality of delivered services. Therefore, we would like to inform you that ELEKTRA has invited to coope-

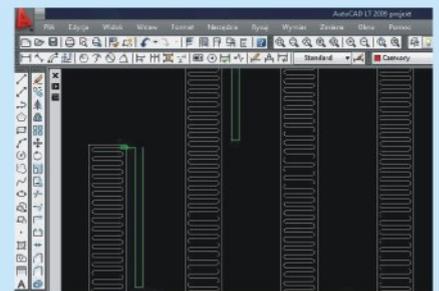
ration the engineers specializing in electric heating systems.

Following our strategy progress, we have invested in new computer centres equipped with professional AutoCAD design software, and we currently have 6 such centres. This engineering tool significantly increases the designing potential of ELEKTRA for electric heating systems, and improves the quality of our service.

The software allows our engineers to transfer their ideas into concepts fast and easily, and provides support at every stage of the designing process.

All ELEKTRA clients are offered full designing support within the standard cooperation terms, and served with wide knowledge concerning electric heating systems.

Our website now features the libraries of the design symbols of ELEKTRA heating



system products, available for download. The libraries including properly dimensioned details that can greatly facilitate and significantly accelerate the work of the heating systems designers. Now the designing of, e.g. a floor heating system, will be reduced to scale adjusting and matching the symbol for the designed layout, without the necessity of checking the dimensions, area or detailed technical data. The libraries also feature the power listings, enabling selecting the particular sets for the required power demand.

## NEW PRODUCT

ELEKTRA SelfTec®PRO cables are available in the following power ratings: 10, 20, 33 W/m, at the temperature of +10°C, and consequently can be utilised for the protection of pipelines, valves, gutters and release pipes, as well as other equipment exposed to low temperature.

Additionally, ELEKTRA SelfTec®PRO 33 with the power of 20 W at +40°C temperature can be used for maintaining steady temperatures in large diameter drainage pipelines. ELEKTRA SelfTec®PRO cables are equipped with a durable coating made of halogen free and UV-resistant modified polyolefin.

# ELEKTRA SelfTec®PRO

## is a self-regulating cable for advanced applications



ELEKTRA SelfTec®PROs are available for sale on spools, which can be cut to any length, not exceeding 150 m for SelfTec®PRO 10, 110 m for SelfTec®PRO 20 and 108 m for SelfTec®PRO 33.

For the connection of the cold tail it is necessary to use the thermoshrinking connection kit.

Maximum operation temperature for regular ELEKTRA SelfTec® cables is 65°C, however the ELEKTRA SelfTec®PRO cables can withstand temporary exposure to temperatures of 85°C, with the maximum cumulated exposure time at this temperature of 1000 hours.

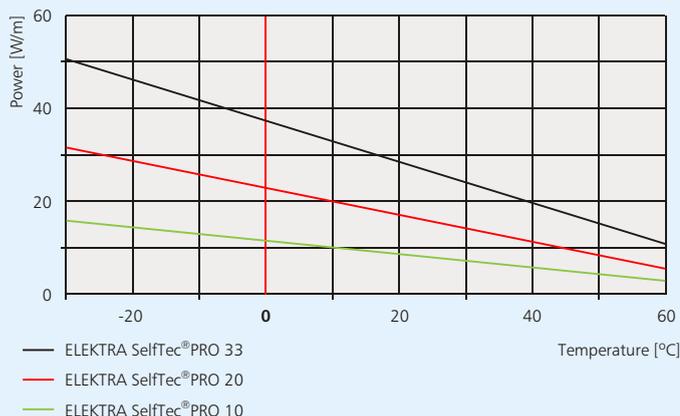


## ELEKTRA marketing SUPPORT



**ELEKTRA Roll-up**  
(W x H) 1000 x 2000 mm

**ELEKTRA SelfTec®PRO**



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SILVER ACE



GOLD HELMET



GOLD MEDAL



BUSINESS GAZELLES



FIRM OF THE YEAR

