



ELSR

Application options

The application options for the ELSR heating cables range from frost protection to temperature maintenance on pipes and vessels. In addition to our classic ELSR-N, we offer further low-temperature range versions: the narrower LS and M variants as well as the round heating cable ELSR-R.

In the medium-temperature range, we can supply you the ELSR-W, and we have the high temperature cable ELSR-H for temperatures up to 210° C.

Matching accessories round out our program: connection and termination kits, mounting material and you can find plenty more in the extensive technical data sheets related hereto.

All eltherm[®] heating cables are approved by the VDE (German Association for Electrical, Electronic and Information Technologies). Moreover, selected ELSR heating cables are also **Ex-approved** and therefore approved for use in hazardous areas.

Design: 4 different options

Our heating cables provide you a wide selection: we offer the right design for every application, every problem and all areas of use.

AO: Aluminum foil with a thermoplastic outer jacket

The heating cables with this design are particularly easy to assemble. This design is available for all low-temperature and medium-temperature tapes.

BO: Protective braid with a thermoplastic outer jacket

This proven design provides a protective tin-plated copper braid. The BO design is available for all low and medium temperature tapes.

BOT: Protective braid with fluoropolymer outer jacket

This outer jacket made of fluoropolymer material makes the heating cable extremely robust: it even withstands aggressive chemicals, oil and fuel. You find a detailed list of the resistance to chemicals on our homepage. This outer jacket is available for various ELSR-heating cables.

BF: Protective braid with food approved outer jacket, approved for use in potable water

A heating cable of this design can be used directly inside potable water lines. This design is currently only available for the ELSR-M version.

We also offer heating cables with braid only, without outer jacket, upon request.



Features

Type	Self-regulating	Moisture proof	UV-resistant	Highest chemical resistance	Physical contact with foodstuffs / use in potable water	Low temperature	Medium temperature	High temperature	 -approved for hazardous areas
ELSR-N-AO	■	■	■			■			■
ELSR-N-BO	■	■	■			■			■
ELSR-N-BOT	■	■	■	■		■			■
ELSR-LS-AO	■	■	■			■			■
ELSR-LS-BO	■	■	■			■			■
ELSR-M-AO	■	■	■			■			
ELSR-M-BO	■	■	■			■			
ELSR-M-BF	■	■	■		■	■			
ELSR-R-BOT	■	■	■	■		■			
ELSR-W-AO	■	■	■				■		
ELSR-W-BO	■	■	■				■		
ELSR-H-BOT	■	■	■	■				■	■

You can directly select the heating cable for your special application from this table. Technical details on the products are given in the respective data sheets.

Production at eltherm[®]

The matrix is the most important quality aspect for self-regulating heating cables. In order to be able to exercise the greatest possible influence on this production process, we manufacture the granulate for the matrix ourselves. As a result of this, eltherm[®] is one of the top manufacturers of self-regulating heating cables in the world. This is also influenced by the special pre-treatment of the components and our long-time experience with these parameters. We are therefore able to guarantee constant high quality.