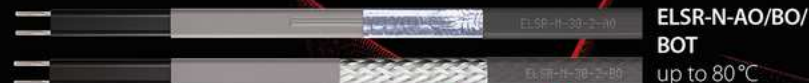


Self-regulating Heating Cables



**ELSR-N-AO/BO/
BOT**
up to 80 °C

Applications:

- Frost protection
- Heat tracing on level indicators
- Chemical & petrochemical industries
- Pipe heat tracing
- Vessels and tanks
- Automotive
- Food processing industry

Technical Details

- Outer jacket: TPE-O
- Bus wire: nickel plated copper
- Maximum exposure temperature (power off): 80 °C
- Maximum exposure temperature (power on): 65 °C
- Nominal voltage: 230 V
- Bending radius, minimum: 25 mm
- Installation temperature, min.: -45 °C
- Classification: II 2G Ex e IIC Gb II 2D Ex tb IIC Db
- Certificates: IECEx EPS 12.0006U, 12ATEX1431U
- Nominal output: 10 / 20 / 30 / 40 W/m at 10 °C



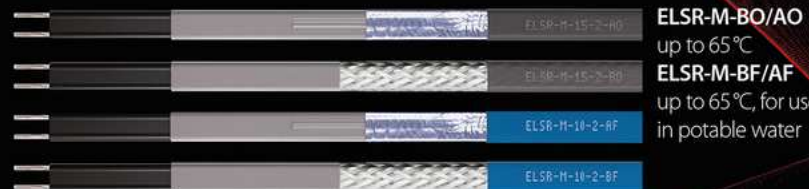
ELSR-LS-AO/BO
up to 80 °C

Applications:

- Pipe heat tracing
- Frost protection for industrial applications
- Temperature maintenance for pipes and vessels
- Chemical & petrochemical industries
- Paints & varnishes
- Automotive
- Food processing industry

Technical Details

- Outer jacket: TPE-O
- Bus wire: 1,23 mm² nickel plated copper
- Maximum exposure temperature (power off): 80 °C
- Maximum exposure temperature (power on): 65 °C
- Nominal voltage: 230 V
- Bending radius, minimum: 25 mm
- Installation temperature, min.: -50 °C
- Classification: II 2G Ex e IIC Gb II 2D Ex tb IIC Db
- Certificates: IECEx EPS 12.0006U, 12ATEX1431U
- Nominal output: 10 / 15 / 25 / 30 W/m at 10 °C



ELSR-M-BO/AO
up to 65 °C
ELSR-M-BF/AF
up to 65 °C, for use
in potable water

Applications:

- Heat tracing on pipes, pumps and valves
- Food processing industry
- Automotive
- Heating of tube bundle cables for water analysis
- Heat tracing on vessels
- Internal trace heating for pipes and hoses (ELSR-M-BF/AF only)

Technical Details

- Outer jacket: TPE-O
- Bus wire: Nickel plated copper
- Maximum exposure temperature (power off): 65 °C
- Maximum exposure temperature (power on): 65 °C
- Nominal voltage: 230 V
- Bending radius, minimum: 25 mm
- Installation temperature, min.: -45 °C
- Certificates: K-229437-13-Bs/st (for use in potable water, only ELSR-M-BF/AF)
- Nominal output: 10 / 15 W/m at 10 °C (ELSR-M-BF/AF 10 W/m at 10 °C)



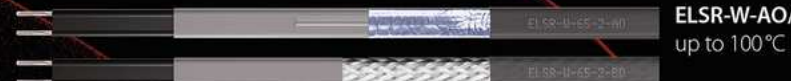
ELSR-R-BOT
up to 65 °C

Applications:

- Frost protection for doors and seals of refrigerating chambers
- Usage in cooling water lines of breweries and drink manufacturers

Technical Details

- Outer jacket: fluoropolymer
- Bus wire: Nickel plated copper
- Maximum exposure temperature (power off): 65 °C
- Maximum exposure temperature (power on): 65 °C
- Nominal voltage: 230 V
- Bending radius, minimum: 30 mm
- Installation temperature, min.: -30 °C
- Nominal output: 19 / 27 W/m at 10 °C



ELSR-W-AO/BO
up to 100 °C

Applications:

- Food processing industry
- Heat tracing on fat lines
- Drainage lines in canteens and large-scale kitchens
- Frost protection for heating lines
- Installation on hot water supplies to prevent Legionella formation

Technical Details

- Outer jacket: TPE-O
- Bus wire: Nickel plated copper
- Maximum exposure temperature (power off): 100 °C
- Maximum exposure temperature (power on): 80 °C
- Nominal voltage: 230 V
- Bending radius, minimum: 20 mm
- Installation temperature, min.: -20 °C
- Nominal output: 55 / 65 W/m at 10 °C



ELSR-H-BOT
up to 210 °C

Applications:

- Chemical & petrochemical industries
- Oil & gas industry
- Power plants
- Hazardous locations
- Frost protection
- Water & sanitation utilities
- Temperature maintenance on vessels, pipes & valves

Technical Details

- Outer jacket: Fluoropolymer
- Bus wire: Nickel plated copper
- Maximum exposure temperature (power off): 210 °C
- Maximum exposure temperature (power on): 120 °C
- Nominal voltage: 230 V / 120 V*
- Bending radius, minimum: 25 mm
- Installation temperature, min.: -45 °C
- Classification: II 2G Ex e IIC Gb II 2D Ex tb IIC Db
- Certificates: IECEx EPS 12.0004, 12ATEX1429U
- Nominal output: 10 / 15 / 20 / 30 / 45 / 60 W/m at 10 °C *upon request



For further information,
please note our catalogue ELSR.