



FreezeTecTM



- EASY INSTALLATION**
- RELIABLE**
- REASSURING**
- SAFE**
- COST-EFFICIENT**

**ANTIFROST
PROTECTION SYSTEM**



**ELEKTRA HEATING CABLE
WITH INTEGRATED THERMOSTAT**

The ELEKTRA FreezeTecTM system protects pipes and valves even in freezing winter! With ELEKTRA FreezeTecTM your concerns over damage to water main pipes or valves whether inside or out are eliminated. The system is quick and easy to install, and the system does not need separate control.

Application

ELEKTRA FreezeTec™ is intended for protection of pipes and valves susceptible to damage caused by low temperatures. The system may be used only when the following conditions are met:

- external diameter of pipe to be insulated should not exceed DN 50 mm;
- pipe insulation thickness should be between min. 10 mm and max. 20 mm;
- temperature of the protected pipe should not exceed +65°C;
- min. ambient temperature - 25°C.

Characteristics and advantages

ELEKTRA FreezeTec™ consists of a heating cable with a built-in thermostat, and operates automatically, eliminating the need for a separate control system usually used with conventional heating cables. The assembly of the system is quick, simple and does not need to be controlled.

Technical specifications:

- thermostat turn-on temperature: +3°C;
- turn-off temperature: +10°C;
- power output: 12 W/m;
- power supply: 230V, 50/60Hz.

Types of cables

ELEKTRA FreezeTec™ cables are available as ready-made sets with built-in thermostat and three-conductor supply cold tail 1.5 m long.

Installation

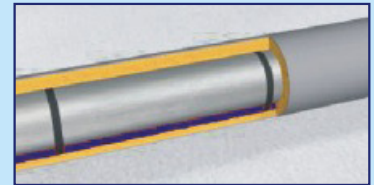
Before the cable set is in place, length of pipe to be heated should be measured in order to select the length of heating cable using a coefficient, which depends upon the following:

- pipe diameter;
- insulation thickness;
- min. ambient temperature.

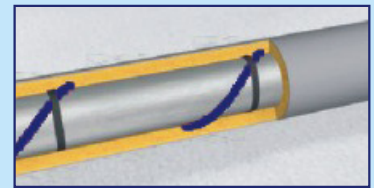
The coefficient is given in the installation manual.

In dependence of the usage there are different ways of installation heating cable with integrated thermostat.

along the pipe

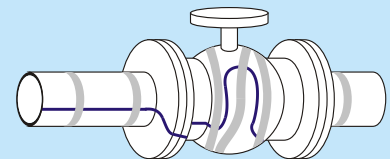
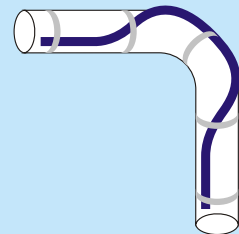


round the pipe



Examples of heating cable fitted along the pipe bend and on the valve.

- installation tape
- heating cable



The heating cable should surround the valve from both sides.

ELEKTRA FreezeTec™

TYPE	LENGTH OF HEATING CABLE	HEATING POWER	HEATING CONDUCTOR RESISTANCE
-	m	W	Ω
FreezeTec 12/2	2	24	2200
FreezeTec 12/3	3	36	1500
FreezeTec 12/5	5	60	900
FreezeTec 12/7	7	84	700
FreezeTec 12/10	10	120	448
FreezeTec 12/15	15	180	286
FreezeTec 12/21	21	252	204
FreezeTec 12/30	30	360	158
FreezeTec 12/42	42	504	104

**Install ELEKTRA FreezeTec™ now,
and eliminate any concerns of frozen pipelines
and gutters in a cold winter**

ELEKTRA

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