

## F-10



F-10 is a smart, self-adjusting heating cable that recognises the ambient temperature and adjusts output accordingly. Because the heating cable looks after itself, you always have even heat distribution and controlled consumption. F-10 also has tried and tested aluminium shielding that makes this cable robust but really easy to install.

It is parallel resistive, which means that the self-adjusting heating cable consists of two parallel wires embedded in a semiconductor material that adapts its output according to the ambient temperature. Even though it may above zero outside and the frost prevention effect is not needed, the heating cable will still be turned on. To shut it off completely, you must fit a thermostat, such as EB-Therm 800. F-10 can be used either inside or outside for water and sewage pipes. Maximum connection length for interior fitting is 60 m.

### Very easy to install

Because it is self-adjusting, the cable can easily be cut and crossed to fit the pipe perfectly without risk of overheating. No cold cable is needed. The aluminium shielding also makes the cable very easy to strip and install, but also robust. An earth fault breaker must be used with all heating cable designs.

### Drinking-water-approved heating solution

F-10 and its accessories are suitable for installation inside drinking water pipes. This is because they are approved for drinking water use in KTW and NSF/ANSI Standard 61. This means that F-10 and its accessories create a drinking-water-approved heating system whose parts are designed to work perfectly together.

### Smart accessories make the job even easier

With the complete and drinking-water-approved Silicon Connection/disconnection set, no heat gun is needed to fit the cable. Glue is used instead, which means there is no so-called "hot work". Another smart accessory is the Supplementary set F-10, which, as well as being approved for drinking water, also has oval packing that suits the shape of the cable perfectly. This means that the screw fitting has a safe, tight seal.

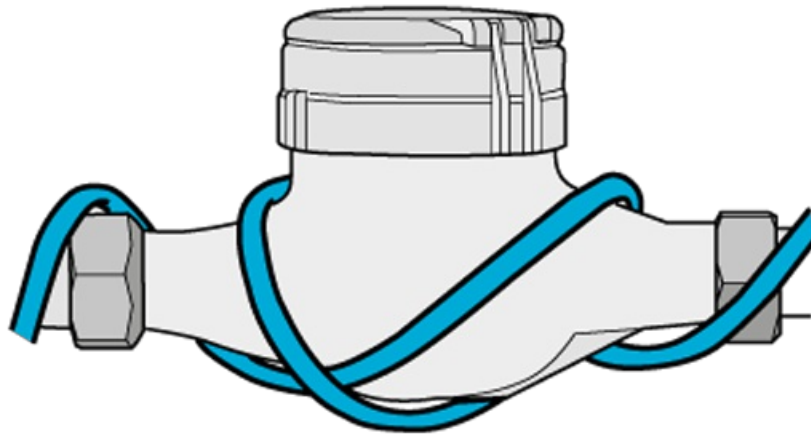
### Copes with the toughest conditions

F-10 has been developed to cope with the coldest winters. The heating cable protects:

- Fitted inside, a 32 mm uninsulated plastic pipe right down to -30°C.
- Fitted outside, a 32 mm plastic or metal pipe with 20 mm insulation, -20°C.
- The effect can be enhanced even further by fitting the cable double or in a spiral.

### Examples of applications:

- Water pipe
- Sewage pipe
- Drainpipes
- Wells



#### TECHNICAL INFORMATION:

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DIMENSIONS	7,0 x 4,6 mm
MAX OPERATING TEMPERATURE	65 °C
LOWEST INSTALLATION TEMPERATURE	- 45 °C
CONNECTION VOLTAGE	230 V
SMALLEST BEND RADIUS	25 mm
OUTPUT	10 W/m at + 10 °C when fitted to metal pipe
MAX LENGTH AT 10A	100 m fitted outside 60 m fitted inside
APPROVAL	CE, drinking-water-approved in accordance with KTW and NSF/ANSI Standard 61.

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#### ARTICLETABLE:

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Item number	Name	Unit
8960460	F-10 Frost protection cable	linear metre

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#### GARANTI:

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Ebeco AB provides a 10-year product warranty covering material faults with our frost protection cables/heating cable mats/heating cables made for outdoor use including accessories included in the installation.

Ebeco AB provides a 5-year product warranty for supplied thermostats.

[General delivery terms is found here.](#)

## ACCESSORY:

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### Silicone connection/end kit

With the complete Silicon Connection/disconnection set, no heat gun is needed to fit the cable. Glue is used instead, which means there is no "hot work". Heating cable sign included.



Item number	Name
8960419	Silicone connection/end kit

### Supplementary set F-10

Used with internal fitting of Ebeco F-10 and has oval packing specially designed for the cable's shape, which means that the screw fitting has a safe, tight seal. Drinking water approved. Thread R15/R20.



Item number	Name
8960410	Supplementary set F-10

### T connection

Used for interior installation of Ebeco F-10. Suitable for E 89 604 10.



Item number	Name	RSK number
8960416	T connection 25 mm/R15	2405010
8960417	T connection 32 mm/R15	2405011
8960418	T connection 40 mm/R15	2405012

### Joining set

Complete set for joining Ebeco T-18/T-18 CT/F-10.

Item number	Name	RSK number
8960412	Joining set	2405007

