

Cold water systems for all requirements

BRUGG
Pipes
Pioneers in Infrastructure

EIGERFLE X

Ensures the transport of drinking water and waste water under difficult conditions

EIGERFLE X

The flexible, insulated cold water system with integrated frost protection tape for the transport of drinking or process water that requires protection against frost







Ideal for adverse conditions

EIGERFLEX pipes can be used wherever it is not possible to lay normal cold water pipes at frost-proof depths. They function perfectly even under extremely cold and frosty con- ditions.

Small frost protection tape with a big effect

The self-limiting frost protection tape is designed for a mains voltage of 230 VAC.

Depending on the ambient temperature, the heat dissipation is self-regulating at every point along the line without additional power control. We recommend controlling the frost protection tape via a thermostat so that it is only in operation when there is a risk of frost.

Minimal costs for underground working

Thanks to the highly effective polyurethane insulation and the integrated frost protection tape, it is possible to lay the pipes at shallow depths despite the cold.

This eliminates the need for costly trenches down to the frostproof depth.

Adaptable to any terrain

The route is determined by the terrain conditions.

EIGERFLEX is highly flexible and can be adapted to any type of terrain, resulting in the shortest installation distance and cost savings.

EIGERFLEX LONGLINE

Ensures that drinking water and waste water can be transported under all conditions – over long distances

EIGERFLEX LONGLINE

For heating circuit lengths of up to 1000 metres with only one power feed







Ultimate for extreme conditions

EIGERFLEX LONGLINE reaches the remotest regions of the world. The properties of the fixed resistance heating tapes allow heating circuit lengths of up to 1000 meters supplied by one power feed with a voltage of up to 400 volts. This elimi- nates the need for extensive
power feeds and makes EIGERFLEX LONGLINE of interest in remote regions with a need for drinking water or waste water systems.

Heating tape without limits

The resistance heating tape integrated in the EIGERFLEX LONGLINE is an economical solution and de- signed for frost protection and temperature holding in pipelines, especially for pipeline lengths that exceed the maximum heating circuit length for self-limiting heating cables. The outer insulation is made of PTFE and gives the heating cable high mechanical resistance.
The unique construction is extremely flexible and makes EIGERFLEX LONGLINE a safe and reliable product with a service life over decades.

Long delivery lengths

The flexible EIGERFLEX LONGLINE cold water line is delivered to the desired construction site in the length, in endless rings, or on a cable drum. Long delivery lengths enable pipes to be laid in the ground largely without joints.
This means that the pipe trench can be considerably narrower.
Accordingly, considerable savings are possible due to the minimal underground work and the quick and easy installation.

EIGERFLEX ACCESSORIES

Quick, easy and reliable

EIGERFLEX – the selection of screw and electrofusion connections offers ideal conditions for quick, easy and reliable connection.



Reliably and quickly connected

The polyethylene pipes are connected with standardised screw connections and commercially available electrofusion fittings in a wide variety of available designs.

The PE inner pipe and the fitting technology with various country-specific drinking water certificates make EIGERFLEX pipes an inexpensive and competent solution.



Frost protection tape with intelligence

We recommend using a thermostat to control the self-limiting frost protection tape from EIGERFLEX: This immediately shuts off the power when no heat is needed – extending service life and saving energy costs. The temperature range of EIGERFLEX LONGLINE is moni- tored and controlled.



Simple and reliable shrink-fitting technology

Whether T-piece, connection with cold end, end or connection fitting – all components for the frost protec- tion tape, which is to be protected against moisture, are the simplest and safest crimp and shrink-fitting technology components.
They ensure quick and reliable operational readiness of the system.

EIGERFLEX / EIGERFLEX LONGLINE

For your application too – standard or customised to your needs





Operating parameters

Operating temperature
max. -30 to + 20 °C
Operating pressure: Max. 16 bar

Product structure

- PE 100 SDR 11 medium pipes
- PUR insulation
- Frost protection or heating tape
- LLDPE protective jacket

Areas of application

- Cold water pipe for coastal areas, nature reserves and residential areas
- Waste water pipe for industry and households

EIGERFLE X

Type mm	DN	Inch	Min. Bending-radius (m)	max. delivery lengths Coil length (m)
25/ 76	20	¾	0.7	780
32/ 76	25	1	0.8	780
40/ 91	32	1 ¼	0.8	570
50/ 91	40	1 ½	0.9	570
63/126	50	2	1.0	305
75/126	65	2 ½	1.0	305
90/162	80	3	1.2	150
110/162	100	4	1.2	150

Special dimensions

On request, we will be pleased to supply you with all special dimensions that cannot be covered by our standard range.

EIGERFLEX LONGLINE

Type mm	DN	Inch	Min. Bending radius (m)	max. delivery lengths Coil length (m)
40/ 91	32	1 ¼	0.8	570
50/ 91	40	1 ½	0.9	570
63/126	50	2	1.0	305
75/126	65	2 ½	1.0	305
90/162	80	3	1.2	150
110/162	100	4	1.2	150
125/182	125	5	1.3	90

EIGERFLEX Longline

We produce specifically and adapted to your project data, so that the required power of the fixed resistance heating tapes is available, depending on the route length.

Contact us

Our engineers will be happy to advise you and find the optimum solution for your requirements.

02/24/250 ex. /1016679



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