

Flexalen® 600 FP

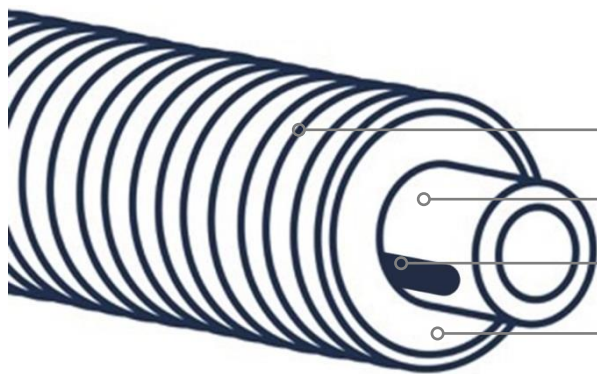
Pre-insulated piping system by Thermaflex®

Extremely flexible and easy to install pre-insulated pipe system with frost protection cable for domestic water applications



Benefits

- Built-in frost protection cable to prevent pipes from freezing
- Safest choice with homogeneous welding, one material, for increased reliability
- Full compatibility with Flexalen® 600 and Flexalen® PU
- Thermaflex service: Support with integrated network design, calculation tools, training and on-site support



Design

- Polyethylene corrugated pipe, PE
Flexibility and mechanical protection
- Polybutene service pipe, PB-H
- Frost protection cable
20W/m @ 10°C
- Polyolefin foam
Closed-cell, CFC-free

Applications

- All domestic hot- and cold-water applications
- Drinking water
- Geothermal water

Technical Properties

Flexalen® 600 FP is a pre-insulated flexible plastic pipe system produced conform the European standard EN15632- 1,3 (DOC) and KIWA system certified as well as third-party controlled according BRL-K17401. The PB service pipe has several drinking water approvals like KTW (DE), WRAS(UK), ATA(NL), ACS (FR) and many more.

PB-H service pipe (EN-ISO 15876)

Max. and continuous service temperature	80°C*
Max. operating pressure	8bar(95°C)

*service temperature limited by max. service temperature of the heating cable!

Thermal Insulation

Polyolefin foam
Closed-cell structure, CFC-free
Water vapor diffusion $\mu \geq 3,500$

Disclaimer

All recommendations and information provided on this data sheet are based on our knowledge and experience. Product specifications are intended as guidelines. Since conditions of service are beyond our control, users must satisfy themselves that products are suitable for the intended use. No guarantee or warranty is given or implied or that any use of products will not infringe rights belonging to other parties. We reserve the right to change product design and properties without notification.



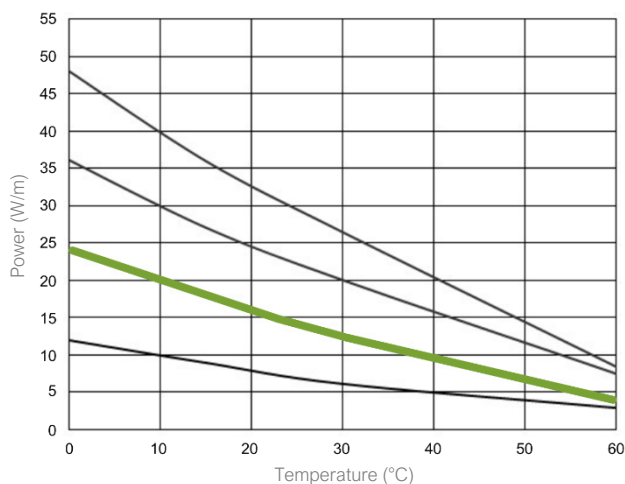


Frost Protection Cable

Power @ 10°C	20W/m*	
Nominal voltage	230V	
Max. pipe surface temperature	Energized	65°C
	Deenergized	80°C
Max. length	170m	

*power changes depending on the temperature and prevents overheating (see green graph)

Frost Protection Cable Power Change



Availability

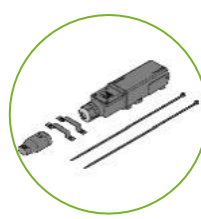
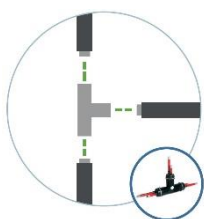
Flexalen® 600 FP

Product code	Dimension	Service pipe OD x s [mm]	Jacket pipe OD [mm]	Max. length [m]
1040-090025-001	25 / 90	25 x 2.3	90	500
1040-090032-001	32 / 90	32 x 2.9	90	500
1041-125040-001	40 / 125	40 x 3.7	125	50
1041-125050-001	50 / 125	50 x 4.6	125	50
1041-160063-001	63 / 160	63 x 5.8	160	50

Frost Protection Cable Accessories (required for operation)

Product code	Description
7043-000000-000	Termination & connection set to electricity supply
7043-000100-501	Electronic surface thermostat

Additional accessories available on demand



- All types of homogenous plastic welded Prefabrications
- Full range of weldable PB fittings
- Compression fitting system
- Full range of accessories and tools