

Flexalen® 600 FP

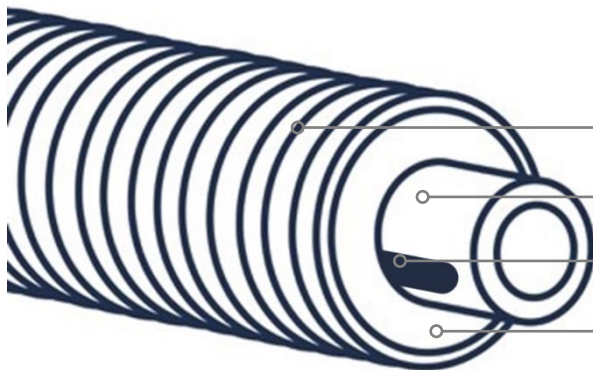
Pre-insulated piping system by Thermaflex®

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



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

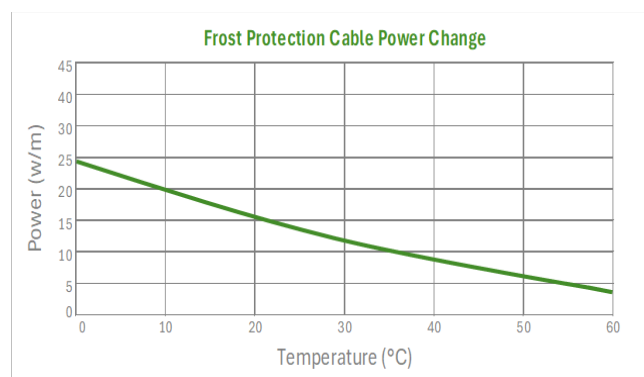
Water vapor diffusion $\mu \geq 3,500$

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 the 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	155m	
*power changes depending on the temperature and prevents overheating (see green graph)		



Availability

Flexalen® 600 FP					Frost Protection Cable Accessories (required for operation)	
Product code	Dimension	Service pipe OD x s [mm]	Jacket pipe OD [mm]	Max. length [m]	Product code	Description
1040-090025-001	25 / 90	25 x 2.3	90	500	7043-000000-000	Termination & connection set to electricity supply
1040-090032-001	32 / 90	32 x 2.9	90	500	7043-000100-501	Electronic surface thermostat
1041-125040-001	40 / 125	40 x 3.7	125	50	7043-000000-100	Junction set for Heating cable
1041-125050-001	50 / 125	50 x 4.6	125	50	7043-000000-300	T derivation set for Heating cable
1041-160063-001	63 / 160	63 x 5.8	160	50	7043-000000-400	Termination set for Heating cable
1040-160075-001	75 / 160	75 x 6.8	160	150	7043-000000-500	Shrinkable slim Termination & connection set to electricity supply *
1040-160090-001	90 / 160	90 x 8.2	160	150	7043-000000-600	Shrinkable slim Junction set for Heating cable **
1040-200110-001	110 / 200	110 x 10.0	200	100	7043-000000-700	Shrinkable slim T derivation set for Heating cable ***

* Can be used as a transition to electrical cable and as an end piece of self-regulating cable (fits within insulated pipe system)

** Straight connector from self-regulating cable to self-regulating cable (fits within insulated pipe system)

*** T-connector from self-regulating cable to self-regulating cable (fits within insulated pipe system)

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

