

Flexalen® 600 FP

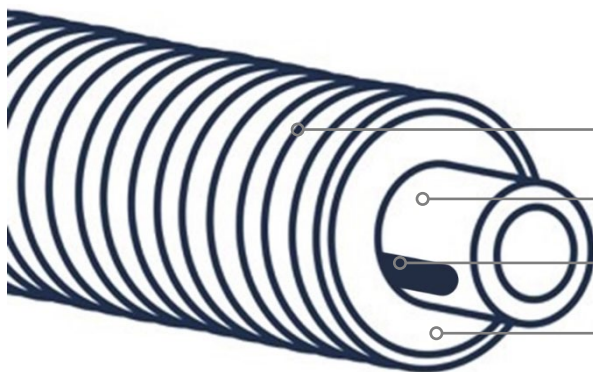
Pre-insulated piping system by Thermaflex®

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), ATANL), 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

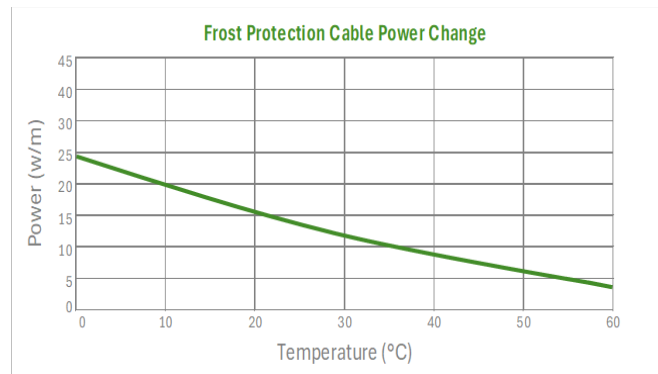
All recommendations and information provided on this data sheet are based on our knowledge and experience. Product specifications are intended as guidelines. Since conditions of service are beyond our control, users must satisfy themselves that products are suitable for the intended use. No guarantee 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					
Product code	Dimension	Service pipe OD x s [mm]	Jacket pipe OD [mm]	Max. Length [m]	Weigth [kg/m]
1040-090025-001	25 / 90	25 x 2.3	90	500	0,97
1040-090032-001	32 / 90	32 x 2.9	90	500	1,06
1040-125040-001	40 / 125	40 x 3.7	125	300	1,54
1040-125050-001	50 / 125	50 x 4.6	125	300	1,67
1040-160063-001	63 / 160	63 x 5.8	160	150	2,71
Frost Protection Cable Accessories (required for operation)					
Product Code	Description	Weight [kg/pcs]	Applicable in combination with		
			Prefab	Halfshells	
7043-000000-000	End termination & connection set to electricity supply, easy click system	0,34	●	●	
7043-000100-501	Electronic surface thermostat	0,62	●	●	
7043-000000-100	Connection set for Heating cable, easy click system	0,52	●	●	
7043-000000-300	T-Connection set for Heating cable, easy click system	0,76	●	●	
7043-000000-400	End Termination set for Heating cable, easy click system	0,03	●	●	
7043-000000-500	Shrinkable slim End Termination & connection set to electricity supply *	0,005	●	●	
7043-000000-600	Shrinkable slim connection set for Heating cable **	0,012	●	●	
7043-000000-700	Shrinkable slim T-Connection set for Heating cable ***	0,023	●	●	

* 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

