

## HERZ-Line Pipe

plastic multilayer pipe

Data sheet for **HERZ LINE**, Issue 0425

### ☑ Pipes

#### 1) PE-RT basic pipe

- with raised temperature resistance
- color: natur

#### 2) Adhesive layer

- color: natur

#### 3) Oxygen barrier layer

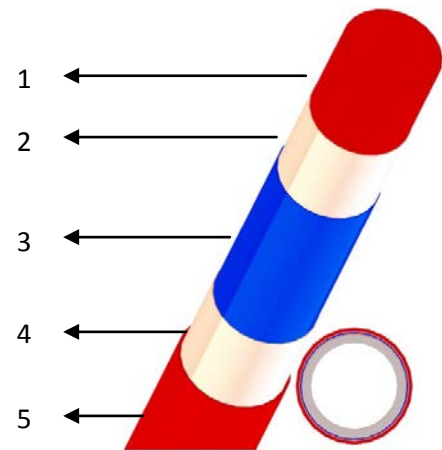
- color: natur

#### 4) Adhesive layer

- color: natur

#### 5) PE-RT outside layer

- as protection against damages of the oxygen barrier
- color: red



### ☑ Field of use

The red PE-RT-5-layer pipe is ideal for use in underfloor and wall heating, concrete core activation, open space and industrial surface heating systems. The HERZ Line PE-RT pipe is high-temperature stable, oxygen-tight and flexible.

The use of HERZ-Line-PE-RT-5-layer pipe in drinking water systems is not permitted.

### ☑ Article numbers

Pipe Ø x wall thickness	Lenght pipe coil	Order number
16 x 2 mm	240 lfm	U 1622 40
	480 lfm	U 1624 80
	600 lfm	U 1626 00
17 x 2 mm	240 lfm	U 1722 40
	480 lfm	U 1724 80
	600 lfm	U 1726 00
18 x 2 mm	240 lfm	U 1822 40
	480 lfm	U 1824 80
20 x 2 mm	120 lfm	U 2021 20
	240 lfm	U 2022 40
	480 lfm	U 2024 80

### ☑ Fittings

Only the following fittings may be used as connectors:

- Plastic pipe connections G 3/4 (compression fitting), 1 **6098 XX**
- Press fittings with brass body (for example T **7XXX XX**)

Further information about fittings can be found in the corresponding data sheets. Attention: Press fittings with plastic body R **XXXX XX** are not suitable for installation with the HERZ-Line pipe.

**☑ Technical specification**

	<b>16 x 2 mm</b>	<b>17 x 2 mm</b>	<b>18 x 2 mm</b>	<b>20 x 2 mm</b>
Pipe weight	90 g/lfm	100 g/lfm	104 g/lfm	120 g/lfm
Pipe weight with H <sub>2</sub> O	203 g/lfm	233 g/lfm	258 g/lfm	321 g/lfm
Internal pipe volume	0,113 l/lfm	0,133 l/lfm	0,154 l/lfm	0,201 l/lfm
Material	PE-RT (Polyethylene – for raised temperature), type 1			
Expansion coefficient	0,19 mm/mK			
Thermal conductivity	0,35 W/mK			
Oxygen diffusion	< 0,1 mg/l/d			
Density	0,933 g/cm <sup>3</sup>			
Bending radius	5 x pipe-Ø			
Manufactured according to	EN ISO 21003			
Oxygen barrier according to	DIN 4726			
Classification	Class 4: T <sub>max</sub> 70 °C/ 6 bar			

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