

Thorne & Derrick's Heatfast HF1200 series of self-regulating trace heating cables are ideal for frost protection of pipework exposed to low ambient temperatures.

The self-regulating ability of the Heatfast HF1200 series is derived from the properties of the conductive core material. As the core temperature increases the number of conductive paths in the core decreases - decreasing the heat output.

This occurs at every point along the length of the cable, adjusting power outputs to the varying conditions along the pipe and ensuring that the cable is only producing heat if it is required.

Technical Information:

- Maximum Maintain Temperature 65°C
- Maximum Exposure Temperature (de-energised) 80°C
- Nominal Voltage* 230V
- Bending Radius, Min. 25mm
- Installation Temperature, Min. -60°C

**Further voltages available on request*

Accessories:

- Connection Kit for Power Connection, Tee Splice, Splices & End Seals
- Thermostatic Controls
- Junction Boxes, Tapes & Warning Signs



Freeze Prevention



Temperature Maintenance



Pipelines



Silos, Vessels & Tanks

Benefits:

- Four Nominal Outputs
- UV-resistant
- Easy to Install
- Energy Efficient

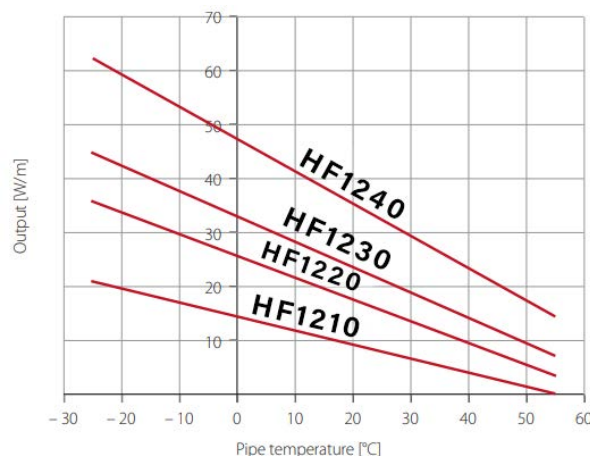
Technical Data:

Part Number	Nominal Output	Dimensions approx. (mm)	Weight approx. (g/m)
HF1210	10 W/m at 10°C	14.1 x 5.8	108
HF1220	20 W/m at 10°C	14.1 x 5.8	108
HF1230	30 W/m at 10°C	14.1 x 5.8	108
HF1240	40 W/m at 10°C	14.1 x 5.8	108

Switch on temperature (°C)	Nominal cut-out value (A)	Maximum heating circuit length (m)			
		HF1210	HF1220	HF1230	HF1240
10	10	128.0	68.0	52.0	36.0
	16	177.0	109.0	83.0	57.0
	20	177.0	129.0	104.0	71.0
	25	177.0	129.0	113.0	89.0
	32	177.0	129.0	113.0	94.0
0	10	106.0	57.0	45.0	31.0
	16	160.0	92.0	71.0	50.0
	20	160.0	115.0	89.0	62.0
	25	160.0	119.0	105.0	78.0
	32	160.0	119.0	105.0	88.0
-10	10	90.0	50.0	39.0	28.0
	16	144.0	79.0	63.0	44.0
	20	149.0	99.0	78.0	55.0
	25	149.0	111.0	98.0	69.0
	32	149.0	111.0	98.0	83.0
-20	10	78.0	44.0	35.0	25.0
	16	125.0	70.0	56.0	40.0
	20	139.0	87.0	69.0	50.0
	25	139.0	104.0	87.0	62.0
	32	139.0	104.0	87.0	78.0
-40	10	62.0	35.0	28.0	21.0
	16	99.0	56.0	45.0	33.0
	20	124.0	71.0	57.0	42.0
	25	124.0	88.0	71.0	52.0
	32	124.0	88.0	71.0	66.0

HF1200 Series Power Rating

(on insulated metallic pipes in accordance with EN 62395-1)



Circuit Lengths Based On The Following:

- 230V nominal voltage
- Delayed action circuit breakers (C-characteristic) with 80% maximum load
- Maximum 10% line voltage drop on heating cable bus wire
- Power connection to one heater end



1. Bus wire Nickel plated copper

4. Protection Protective Braid (Cu, tin plated)

2. Self-regulating heating element

5. Outer jacket

3. Insulation