



FROST PROTECTION

Trace heating for any application

harmeni

THE SIMPLE SOLUTION TO PREVENT PIPES FROM FREEZING



EASY TO INSTALL



- ✓ Best price, best value
- ✓ Free next day delivery
- ✓ Free design service
- ✓ Free technical advice

Trace Heating & Frost Protection
PRICELIST 2021

01473 276679
www.frostprotection.co.uk



SELF-REGULATING FROST PROTECTION KIT

Kit contents

- Pre-terminated trace heating cable*
- Built-in thermostat
- 2m of power cable (cold lead)
- 12W L/m
- Warning labels
- Cable ties
- 13 amp 3 pin plug
- Instruction manual

*Please note that cable length may vary +/- 10%.

Trace heating cables prevent internal and external pipes from freezing. Our kits are easy to install and are self-regulating, which means the cable automatically adjusts to the ambient temperature and cannot overheat.

All of our frost protection kits come with a built-in thermostat which activates the trace heating cable when the ambient temperature drops below 5°C and remains operational until the ambient temperature climbs above 10°C. This also ensures that the trace heating system only operates when required to stop pipes freezing during the cold months, remaining dormant throughout the rest of the year. However, if there's a cold snap the trace heating will automatically reactivate until the weather gets warmer.

Applications

- **Boiler condensate pipes**
Stops boiler failures caused by frozen condensate drains
- **Outside tap protection**
Ensures your outside water supplies flow freely
- **Water pipe protection**
Prevents freezing of essential water supplies & drainage
- **Caravans and mobile homes**
Protects your water supplies from freezing
- **Stables and farms**
Eliminates problematic freezing of animal water supplies



Pre-made Frost Protection Kits (12W/m)

Quick Find	Part Code	Cable Length	Max Wattage	Web Price (ex VAT)	Web Price (inc VAT)
13478	FP-230-2	2m	24 W	£32.00	£38.40
13479	FP-230-4	4m	48 W	£42.15	£50.58
13480	FP-230-5	5m	60 W	£46.15	£55.38
13481	FP-230-6	6m	72 W	£50.15	£60.18
13482	FP-230-8	8m	96 W	£58.15	£69.78
13483	FP-230-10	10m	120 W	£66.15	£79.38
13484	FP-230-15	15m	180 W	£86.15	£103.38
13485	FP-230-25	25m	300 W	£93.75	£112.50
13486	FP-230-30	30m	360 W	£112.50	£135.00
21397	FP-230-40	40m	480 W	£129.95	£155.94
21398	FP-230-50	50m	600 W	£149.95	£179.94

Accessories

Q/F	Part Code	Description	Web Price (ex VAT)	Web Price (inc VAT)
1798	ETH-1798	Aluminium adhesive tape	£9.99	£11.99
4675	9501	Heat resistant glass fibre fixing tape	£4.37	£5.24

Features

12W/m self regulating

Pre-terminated trace heating cable

Built-in thermostat

Independently SGS Fimko certified for extra safety

Specifications

Supply voltage 230V

Cold lead length 2m

Max. exposure temperature (de-energised) 65°C

Max. exposure temperature (energised) 65°C

Min. bend radius 25mm

Min. fuse (type C) 10A

IP classification IP 67

CONTACT US FOR MORE INFORMATION

☎ 01473 276679 ✉ sales@frostprotection.co.uk 🖱 www.frostprotection.co.uk

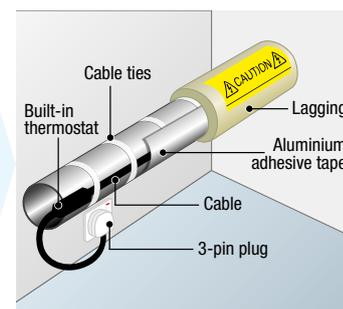
Need help?

**FREE DESIGN
& BUILD SPECIFICATION
SERVICE**



Easy installation

Fitting a trace heating cable is generally quick and easy, although it is advisable to have the installation carried out by a qualified electrician.



Highest safety standards

As well as conforming to the requirements of the relevant European Directives, our frost protection kits are also independently SGS Fimko FI mark tested and approved.



This is visual proof that they are manufactured to the highest standards and added assurance that there is no risk of a product safety failure.

Insulation

After installation of the trace heating cable, the pipes must be insulated with a minimum of 20mm lagging (Armaflex/PU Foam/Mineral Wool) – refer to the heat loss tables on the back page. Without thermal insulation surface heat losses can increase approx 4–5 times.

For plastic pipe and components, the trace heating cable must be wrapped with an aluminium adhesive tape before the lagging is fitted.

FREE DESIGN SERVICE • FREE TECHNICAL ADVICE • FREE NEXT DAY DELIVERY

Heat Loss Tables

Armaflex Insulation (0.042W/m K)

Pipe Ø	Insulation Thickness				
	5mm	10mm	15mm	20mm	30mm
6mm	8 W/m	6 W/m	5 W/m	4 W/m	3 W/m
8mm	10 W/m	6 W/m	5 W/m	4 W/m	4 W/m
10mm	11 W/m	7 W/m	6 W/m	5 W/m	4 W/m
15mm	15 W/m	8 W/m	7 W/m	6 W/m	5 W/m
22mm	21 W/m	10 W/m	8 W/m	7 W/m	5 W/m
28mm	26 W/m	12 W/m	9 W/m	8 W/m	6 W/m
35mm	32 W/m	14 W/m	10 W/m	9 W/m	7 W/m
42mm	37 W/m	16 W/m	12 W/m	10 W/m	7 W/m
54mm	47 W/m	19 W/m	14 W/m	11 W/m	8 W/m

Mineral Wool Insulation (0.035W/m K)

Pipe Ø	Insulation Thickness				
	5mm	10mm	15mm	20mm	30mm
6mm	7 W/m	4 W/m	4 W/m	3 W/m	3 W/m
8mm	8 W/m	5 W/m	4 W/m	4 W/m	3 W/m
10mm	10 W/m	6 W/m	5 W/m	4 W/m	3 W/m
15mm	13 W/m	8 W/m	6 W/m	5 W/m	4 W/m
22mm	18 W/m	10 W/m	8 W/m	6 W/m	5 W/m
28mm	22 W/m	12 W/m	9 W/m	7 W/m	6 W/m
35mm	26 W/m	15 W/m	11 W/m	9 W/m	7 W/m
42mm	31 W/m	17 W/m	12 W/m	10 W/m	7 W/m
54mm	39 W/m	21 W/m	15 W/m	12 W/m	9 W/m

PU Foam Insulation (0.025W/m K)

Pipe Ø	Insulation Thickness				
	5mm	10mm	15mm	20mm	30mm
6mm	5 W/m	4 W/m	3 W/m	3 W/m	2 W/m
8mm	6 W/m	4 W/m	3 W/m	3 W/m	2 W/m
10mm	7 W/m	5 W/m	4 W/m	3 W/m	3 W/m
15mm	9 W/m	6 W/m	4 W/m	4 W/m	3 W/m
22mm	13 W/m	7 W/m	5 W/m	4 W/m	4 W/m
28mm	15 W/m	8 W/m	6 W/m	5 W/m	4 W/m
35mm	19 W/m	10 W/m	7 W/m	6 W/m	4 W/m
42mm	22 W/m	11 W/m	8 W/m	6 W/m	5 W/m
54mm	28 W/m	13 W/m	9 W/m	8 W/m	6 W/m

The heating losses shown here were established for an ambient temperature of -20°C . Values are approximate and are intended to help with selection only.

Insulation can be purchased from most DIY stores or builders' merchants.



Armaflex



PU Foam



Mineral Wool

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DELIVERY



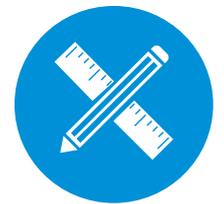
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EXPERIENCE



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