

### DESCRIPTION

The THERMA-PIPE (BFPC) electric heating cable replaces the heat that is lost through the thermal insulation layer. Replacing the lost heat allows the pipe and water inside the pipe to be kept at a constant temperature. With a built-in bi-metallic thermostat (inside the black cap), the heating cable is operating only when the thermostat is at a temperature of 4°C/40°F or less.

The heating cable will be applied straight along pipe, and will protect pipes up to 3.8 cm/1.5 inches in diameter. THERMA-PIPE (BFPC) heat-tracing systems are approved and qualified for the applications of freeze protection of insulated metallic or plastic general water piping at the generally accepted maintenance temperature of 4°C/40°F with approved accessories.



### FEATURES

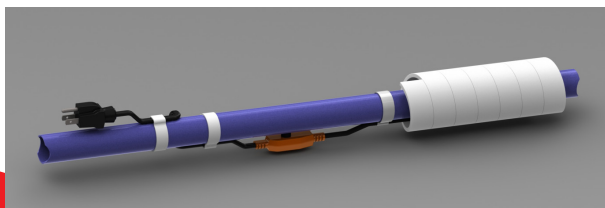
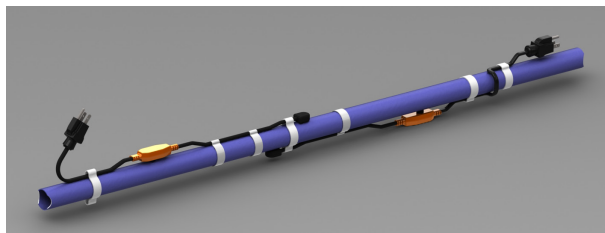
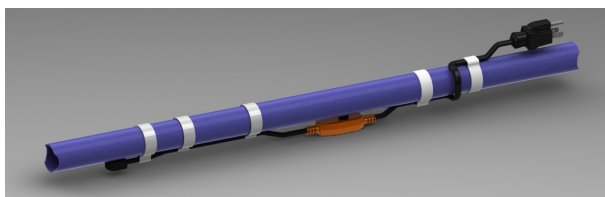
- Built-in thermostat included (inside black cap)
- Suitable for pipe tracing and freeze protection
- Keeps water flowing in pipes and valves
- Easy to connect, pre-assembled plug-in cable
- High flexibility with variety of lengths available

### APPROVALS



## THERMA-PIPE™

Plug-in Heating Cable for Pipe & Freeze Protection



### TECHNICAL

VOLTAGE:	120 Volts
CABLE TYPE:	Series Resistance
USAGE:	WS: Wet Test and Weather Resistance
MIN. BENDING RADIUS:	8mm (0.3")
INSTALLATION TEMP:	Minimum installation temperature: 0°C/32°F
OPERATING TEMP:	Max. continuous operating temperature: 25°C/77°F

### INSTALLATION

Refer to the THERMA-PIPE (BFPC) installation manual for complete installation instructions. Electrical connection of the heating system and thermostat should be done only by a qualified electrician.

### WARRANTY

Warranted free from manufacturers defect for 2 years.  
Visit [www.britech.ca](http://www.britech.ca) for Limited Warranty details.

### CABLE SELECTION, CONTROLS & ACCESSORIES

Please refer to Britech catalogue for production selection or contact Britech at 1-877-335-7790 for assistance.



# CABLE SELECTION CHART

# BASED ON LENGTH OF PIPE

Pipe Length	Pipe Diameter				
	1/2"	3/4"	1"	1.25"	1.5"
3	1③	1③	1③	1③	1③
4	1③	1③	1③	2③	2③
5	1③	1③	2③	2③	2③
6	1⑥	1⑥	1⑥	1⑥	1⑥
7	1⑥	1⑥	1⑥	1③+1⑥	1③+1⑥
8	1⑥	1⑥	1⑥	1③+1⑥	1③+1⑥
9	1⑨	1⑨	1⑨	1⑨	1⑨
10	1⑨	1⑨	1⑨	1⑨	2⑥
11	1⑨	1⑨	1⑨	2⑥	2⑥
12	1⑫	1⑫	1⑫	1⑫	1⑫
13	1⑫	1⑫	1⑫	1⑫	1⑥+1⑨
14	1⑫	1⑫	1⑫	1⑥+1⑨	1⑥+1⑨
15	1⑮	1⑮	1⑮	1⑮	1⑮
16	1⑮	1⑮	1⑮	1⑮	2⑨
17	1⑮	1⑮	1⑮	2⑨	2⑨
18	1⑱	1⑱	1⑱	1⑱	1⑱
20	1⑱	1⑱	1⑱	1⑱	1⑨+1⑫
22	2⑫	2⑫	2⑫	2⑫	2⑫
24	1⑳	1⑳	1⑳	1⑳	1⑳
26	1⑳	1⑳	1⑳	1⑫+1⑮	1⑫+1⑮
28	1⑫+1⑮	1⑫+1⑮	1⑫+1⑮	1⑫+1⑮	1⑫+1⑱
30	1⑳	1⑳	1⑳	1⑳	1⑳
35	2⑱	2⑱	2⑱	2⑱	2⑱
40	1⑳	1⑳	1⑳	1⑳	1⑳
45	1⑱+1⑳	1⑱+1⑳	1⑱+1⑳	1⑱+1⑳	2⑳
50	2⑳	2⑳	2⑳	2⑳	1⑫+1⑳
55	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳	1⑱+1⑳
60	1⑳	1⑳	1⑳	1⑳	1⑳
65	1⑥+1⑳	1⑥+1⑳	1⑥+1⑳	1⑥+1⑳	1⑥+1⑳
70	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳	1⑫+1⑳
75	1⑮+1⑳	1⑮+1⑳	1⑮+1⑳	1⑮+1⑳	1⑮+1⑳
80	1⑳	1⑳	1⑳	1⑳	1⑳
85	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳	1⑥+1⑳
90	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳
95	1⑱+1⑳	1⑱+1⑳	1⑱+1⑳	1⑱+1⑳	1⑱+1⑳
100	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳	1⑳+1⑳

Catalog No.		Heating Length (ft)	Power Output (Watt)	Amp. (@120v)
③	BFPC1-1A003	3	21	0.18
⑥	BFPC1-1A006	6	42	0.35
⑨	BFPC1-1A009	9	63	0.51
⑫	BFPC1-1A012	12	84	0.70
⑮	BFPC1-1A015	15	105	0.88
⑱	BFPC1-1A018	18	126	1.05
⑳	BFPC1-1A024	24	168	1.40
⑳	BFPC1-1A030	30	210	1.75
⑳	BFPC1-1A040	40	280	2.34
⑳	BFPC1-1A060	60	420	3.50
⑳	BFPC1-1A080	80	560	4.67

Example:

- 1⑥ means: you need one "BFPC1-1A006" heating cable
- 2③ means: you need two "BFPC1-1A003" heating cable
- 1⑫+1⑮ means: you need one "BFPC1-1A012" heating cable with one "BFPC1-1A015" heating cable
- For pipe sizes minimum listed or for more information, contact the factory Representative.
- This design guide is based on the generally accepted maintenance temperature (4°C /40°F) for freeze protection.
- This design guide is calculated based on 1/2" fiberglass insulation. Closed-cell flexible foam insulation may also be used.



For quotes, assistance in product selection or customer service contact:  
 Britech Corp., 17 Pullman Court, Toronto, Ontario M1X 1E4 (Canada)  
 T: 877-335-7790 | F: 877-335-3166 | E: info@britech.ca | [www.britech.ca](http://www.britech.ca)