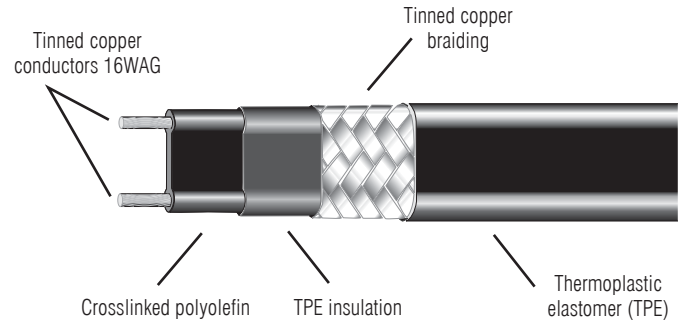


DESCRIPTION

Self-regulating parallel circuit heating cables are the perfect solution for general freeze protection in residential, commercial and industrial applications. The BRITECH FT - FREEZE TRACE system is easy to design and install utilizing the required connection kits. The cable can be cut to length at the job site and installed directly on pipes simplifying the installation process and reducing waste.

Heating power increases or decreases depending on the ambient temperature. Self-regulation takes effect at every point along the heating cable. Insulation of thermoplastic elastomer (TPE) provides excellent resistance and in connection with the outer jacket offers exceptional moisture and abrasion resistance.

CABLE CONSTRUCTION



CABLE SELECTION & DESIGN

For product selection & design assistance please contact Britech at 1-877-335-7790.

CONNECTION KITS

Britech connection kits must be used with FT heating cables.

- BRI-PEK-1 Power Connection & End Seal Kit
- BRI-TSP-1 T-Splice & End Seal Kit

CONTROLS & ACCESSORIES

Please refer to Britech catalogue for production selection.

APPROVALS

Certification

CAN/CSA-C22.2 No. 130-03

SP 1862457; Class: 2878-01, 2878-81
 C US Class: 2872-01, 2872-81

Class I, Div. 2, Groups A, B, C, D

Class II, Div. 2 Groups E, F, G

Class III



FEATURES

- Protect pipes, water systems, fire protection and sprinkler systems
- Install on roofs, gutters & drains
- Use for temperature maintenance up to 65 °C
- Can be cut to length on site
- Will not self-destruct by overheating
- Moisture and abrasion resistant



TECHNICAL

VOLTAGE:	Available from 120 to 240 Volts
INSTALLATION TEMP:	Minimum installation temperature: -55 °C Minimum switched on temperature: -40 °C
OPERATING TEMP:	Max. operating temperature switched off max. 85 °C (1000 hours cumulative) Max. operating temperature switched on max. 65 °C
CABLE DIMENSION:	11.8 mm x 5.8 mm
MIN. BENDING RADIUS:	25 mm

INSTALLATION

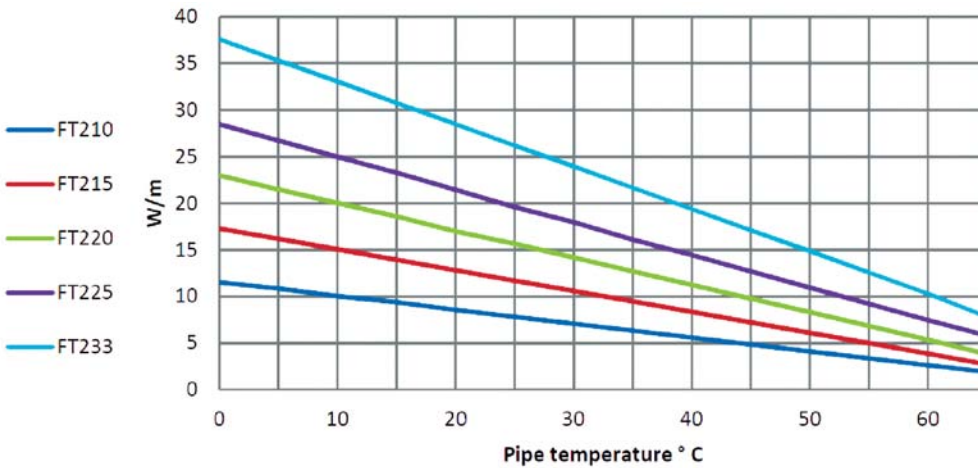
Refer to "FT/ST Roof, Gutter & Drain Deicing Manual" and "FT/ST Pipe Heat Tracing Manual" for complete installation instructions. Electrical connection of the heating system and thermostat should be done only by a qualified electrician.

WARRANTY

Warranted free from manufacturers defect for 5 years.
 Visit www.britech.ca for Limited Warranty details.



Heating cable installed and measured on a pipe in accordance with VDE 0254, EN 62395-1 accept for IEC / EN 62086-1 and IEC 60079-30-1



120V

- FT110-1810P-120V (3W/ft)
- FT115-1810P-120V (4.5W/ft)
- FT120-1810P-120V (6W/ft)
- FT125-1810P-120V (7.6W/ft)
- FT133-1810P-120V (10W/ft)

208V (Adjusted from 240V)

- FT210-1810P-208V (2.7W/ft)
- FT215-1810P-208V (4.1W/ft)
- FT220-1810P-208V (5.4W/ft)
- FT225-1810P-208V (6.8W/ft)
- FT233-1810P-208V (9.0W/ft)

240V

- FT210-1810P-240V (3W/ft)
- FT215-1810P-240V (4.5W/ft)
- FT220-1810P-240V (6W/ft)
- FT225-1810P-240V (7.6W/ft)
- FT233-1810P-240V (10W/ft)

Catalogue number: FT X XX - 1810P
 ① ②

① Supply voltage: 1-120V, 2-208~240V
 ② Heat output at 10°C, watts/m

MAXIMUM CIRCUIT LENGTH

Maximum Circuit Length ft (m) based on Circuit Breaker Size (Equipment Protection Type C)

Cable	Start-up Temp		120 V			208 V			240 V			
	Type	[°F]	[°C]	15 A	20 A	30 A	15 A	20 A	30 A	15 A	20 A	30 A
FTX10		50	10	312 ft (95 m)	312 ft (95 m)	312 ft (95 m)	591 ft (180 m)	591 ft (180 m)	591 ft (180 m)	673 ft (205 m)	673 ft (205 m)	673 ft (205 m)
		32	0	279 ft (85 m)	312 ft (95 m)	312 ft (95 m)	476 ft (145 m)	541 ft (165 m)	591 ft (180 m)	525 ft (160 m)	656 ft (200 m)	640 ft (195 m)
		5	-15	226 ft (69 m)	295 ft (90 m)	312 ft (95 m)	410 ft (125 m)	525 ft (160 m)	558 ft (170 m)	456 ft (139 m)	610 ft (186 m)	640 ft (195 m)
		-22	-30	190 ft (58 m)	246 ft (75 m)	312 ft (95 m)	354 ft (108 m)	443 ft (135 m)	541 ft (165 m)	394 ft (120 m)	492 ft (150 m)	640 ft (195 m)
FTX15		50	10	220 ft (67 m)	262 ft (80 m)	262 ft (80 m)	410 ft (125 m)	476 ft (145 m)	476 ft (145 m)	476 ft (145 m)	531 ft (162 m)	531 ft (162 m)
		32	0	180 ft (55 m)	230 ft (70 m)	262 ft (80 m)	328 ft (100 m)	410 ft (125 m)	476 ft (145 m)	377 ft (115 m)	443 ft (135 m)	531 ft (162 m)
		5	-15	148 ft (45 m)	197 ft (60 m)	262 ft (80 m)	262 ft (80 m)	374 ft (114 m)	427 ft (130 m)	305 ft (93 m)	410 ft (125 m)	531 ft (162 m)
		-22	-30	128 ft (39 m)	161 ft (49 m)	262 ft (80 m)	213 ft (65 m)	312 ft (95 m)	404 ft (123 m)	253 ft (77 m)	348 ft (106 m)	525 ft (160 m)
FTX20		50	10	190 ft (58 m)	230 ft (70 m)	230 ft (70 m)	328 ft (100 m)	394 ft (120 m)	394 ft (120 m)	381 ft (116 m)	459 ft (140 m)	459 ft (140 m)
		32	0	164 ft (50 m)	177 ft (54 m)	230 ft (70 m)	256 ft (78 m)	312 ft (95 m)	394 ft (120 m)	269 ft (82 m)	344 ft (105 m)	459 ft (140 m)
		5	-15	121 ft (37 m)	151 ft (46 m)	230 ft (70 m)	203 ft (62 m)	262 ft (80 m)	361 ft (110 m)	236 ft (72 m)	305 ft (93 m)	459 ft (140 m)
		-22	-30	98 ft (30 m)	125 ft (38 m)	200 ft (61 m)	157 ft (48 m)	213 ft (65 m)	312 ft (95 m)	180 ft (55 m)	253 ft (77 m)	361 ft (110 m)
FTX25		50	10	141 ft (43 m)	190 ft (58 m)	207 ft (63 m)	262 ft (80 m)	312 ft (95 m)	344 ft (105 m)	289 ft (88 m)	384 ft (117 m)	413 ft (126 m)
		32	0	118 ft (36 m)	164 ft (50 m)	190 ft (58 m)	236 ft (72 m)	256 ft (78 m)	328 ft (100 m)	230 ft (70 m)	279 ft (85 m)	413 ft (126 m)
		5	-15	98 ft (30 m)	125 ft (38 m)	180 ft (55 m)	164 ft (50 m)	217 ft (66 m)	302 ft (92 m)	190 ft (58 m)	246 ft (75 m)	384 ft (117 m)
		-22	-30	85 ft (26 m)	102 ft (31 m)	174 ft (53 m)	131 ft (40 m)	180 ft (55 m)	262 ft (80 m)	148 ft (45 m)	210 ft (64 m)	328 ft (100 m)
FTX33		50	10	108 ft (33 m)	148 ft (45 m)	177 ft (54 m)	197 ft (60 m)	246 ft (75 m)	295 ft (90 m)	230 ft (70 m)	295 ft (90 m)	354 ft (108 m)
		32	0	95 ft (29 m)	125 ft (38 m)	164 ft (50 m)	164 ft (50 m)	203 ft (62 m)	262 ft (80 m)	180 ft (55 m)	246 ft (75 m)	344 ft (105 m)
		5	-15	82 ft (25 m)	105 ft (32 m)	148 ft (45 m)	148 ft (45 m)	180 ft (55 m)	226 ft (69 m)	161 ft (49 m)	210 ft (64 m)	312 ft (95 m)
		-22	-30	69 ft (21 m)	85 ft (26 m)	141 ft (43 m)	125 ft (38 m)	148 ft (45 m)	190 ft (58 m)	141 ft (43 m)	171 ft (52 m)	269 ft (82 m)



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