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	-		Prices,	specifications and warranties may change without prio

 ${\it Prices, specifications \ and \ warranties \ may \ change \ without \ prior \ notice.}$

Pictogram Legend



Indoor Floor Warming



Cable for Roof and Gutter De-icing



Cable for Pipe Tracing



Outdoor Snow Melting



Self-Regulating Heating Cable suitablefor use in potable water



Cable for Industrial Use



Cable for Pipe Freeze Protection



TECH-MAT Floor Heating Cable on Mat

Features

Voltage

- 120V, 240/208V, 1-phase.

Cold lead length

- 10'(3 m).

Construction

- Heating cable made of a twin conductor fastened to an adhesive fibreglass mat for a simpler and faster installation with negligible magnetic field.

Watt density

- 12W/sq. ft. (130W/sq. m), 3" (76 mm) spacing.

Dimension

- Mats of 18 in. (0.46 m) in width offered in several lengths.

Contro

- Two types of control method possible (see instruction manual for details):
- Surface heating control with electronic thermostat in floor mode (F) and temperature sensor.
- Ambient heating control with electronic thermostat in ambient mode with floor limit (A or AF) and temperature sensor.

Note: A ground fault circuit interrupter (GFCI) must be used with this heating device unless exempted by the applicable national and/or local electrical code for the area of installation.

Included materials

- 15' (4.6 m) floor sensor.
- Measurements table label (to be placed in electrical panel).

Installation

- Never cut or shorten the heating cable.
- For indoor applications only.
- On concrete slab or plywood subfloor.

Warranty

- 25-year warranty on the heating cable.

Application

- Kitchen, bathroom, entrance way, family room, living room.







120V Models

Watts	Product #		Amp.	Resistance	Covered surface ¹	Length of mat	Width of mat
watts	120V	Price	Allip.	Ohms	sq. ft.	ft.	ft.
60	FHM120-60		0.5	240	5	3.3	1.5
120	FHM120-120		1.0	120	10	6.7	1.5
180	FHM120-180		1.5	80	15	10.0	1.5
240	FHM120-240		2.0	60	20	13.3	1.5
300	FHM120-300		2.5	48	25	16.7	1.5
360	FHM120-360		3.0	40	30	20.0	1.5
420	FHM120-420		3.5	34	35	23.3	1.5
480	FHM120-480		4.0	30	40	26.7	1.5
540	FHM120-540		4.5	27	45	30.0	1.5
600	FHM120-600		5.0	24	50	33.3	1.5
720	FHM120-720		6.0	20	60	40.0	1.5
840	FHM120-840		7.0	17	70	46.7	1.5
960	FHM120-960		8.0	15	80	53.3	1.5

240/208V Models

Watts	Product # 240/208V	Price	Amp.	Resistance Ohms	Covered surface ¹ sq. ft.	Length of mat ft.	Width of mat ft.
120	FHM240-120		0.5	480	10	6.7	1.5
240	FHM240-240		1.0	240	20	13.3	1.5
360	FHM240-360		1.5	160	30	20	1.5
480	FHM240-480		2.0	120	40	26.7	1.5
600	FHM240-600		2.5	96	50	33.3	1.5
720	FHM240-720		3.0	80	60	40	1.5
840	FHM240-840		3.5	69	70	46.7	1.5
960	FHM240-960		4.0	60	80	53.3	1.5
1080	FHM240-1080		4.5	53	90	60	1.5
1200	FHM240-1200		5.0	48	100	66.7	1.5
1440	FHM240-1440		6.0	40	120	80	1.5

¹ Does not represent the surface of the room but rather the surface covered by the floor heating system, excluding the fixtures and other spaces to consider. 208V = 75% of wattage at 240V.

Options

Product # Kit	Price	Description
OTM-CC		CableCheck - Electrical fault indicator
OTM-SA		Adhesive spray to secure the mat on concrete slab, 16.75 oz (474 g)
KIT-SP1		Repair kit
KIT-CBL-SN		15 ft. (4.6 m) floor sensor

^{15&#}x27; (4.6 m) floor sensor and 10' (3 m) cold lead included.

The color of the mesh may be different.



BRI-THIN Floor Heating Cable for Installation with Strapping

Features

Voltage

- 120V, 240/208V, 1-phase.

Cold lead length

- 10'(3 m).

Construction

- Heating cable made of a twin conductor for a simpler and faster installation, compatible with uncoupling membrane systems.

Watt density

- Up to 12 W/sq. ft. (130W/sq. m), 4'' (102 mm) spacing.
- 4W/ft. linear output.

Cable diameter

- 1/8" (3.3 mm).

Contro

- Two types of control method possible (see instruction manual for details):
- Surface heating control with electronic thermostat in floor mode (F) and temperature sensor.
- Ambient heating control with electronic thermostat in ambient mode with floor limit (A or AF) and temperature sensor.

Note: A ground fault circuit interrupter (GFCI) must be used with this heating device unless exempted by the applicable national and/or local electrical code for the area of installation.

Included materials

- Plastic strapping.
- Measurements table label (to be placed in electrical panel).

Installation

- Never cut or shorten the heating cable.
- For indoor applications only.
- On concrete slab or plywood subfloor or existing sub-floor.

Warranty

- 20-year warranty on the heating cable.

Application

- Kitchen, bathroom, entrance way, family room, living room.









120V Models

Watts	Product #	Price	Amp.	Resistance Ohms	Covered surface ¹	Cable length
	240V				sq. ft.	ft.
67	FHTC120-67		0.6	214.9	5 to 7	17
120	FHTC120-120		1.0	120.0	8 to 12	30
192	FHTC120-192		1.6	75.0	13 to 20	51
312	FHTC120-312		2.6	46.2	21 to 30	87
396	FHTC120-396		3.3	36.4	31 to 40	107
480	FHTC120-480		4.0	30.0	41 to 50	128
612	FHTC120-612		5.1	23.5	51 to 60	156
756	FHTC120-756		6.3	19.0	61 to 75	194
900	FHTC120-900		7.5	16.0	76 to 90	225
1056	FHTC120-1056		8.8	13.6	91 to 105	287
1192	FHTC120-1192		9.9	12.1	106 to 120	298
1376	FHTC120-1376		11.5	10.5	121 to 140	344
1558	FHTC120-1558		13.0	9.2	141 to 155	390
1620	FHTC120-1620		13.5	8.9	156 to 170	405

240/208V Models

Watts	Product # 240/208V	Price	Amp.	Resistance Ohms	Covered surface ¹ sq. ft.	Cable length ft.
133	FHTC240-133		0.6	433.1	9 to 15	33
240	FHTC240-240		1.0	240.0	16 to 25	60
384	FHTC240-384		1.6	150.0	26 to 40	102
624	FHTC240-624		2.6	92.3	41 to 60	174
792	FHTC240-792		3.3	72.7	61 to 80	213
960	FHTC240-960		4.0	60.0	81 to 95	256
1224	FHTC240-1224		5.1	47.1	96 to 125	312
1512	FHTC240-1512		6.3	38.1	126 to 150	387
1800	FHTC240-1800		7.5	32.0	151 to 180	449
2016	FHTC240-2016		8.4	28.6	181 to 200	515
2400	FHTC240-2400		10.0	24.0	201 to 240	592
2590	FHTC240-2590		10.8	22.2	241 to 260	649
2750	FHTC240-2750		11.5	20.9	261 to 275	688
2990	FHTC240-2990		12.5	19.3	276 to 300	748
3240	FHTC240-3240		13.5	17.8	301 to 325	810

¹ Does not represent the surface of the room but rather the surface covered by the floor heating system, excluding the fixtures and other spaces to consider. 208V = 75% of wattage at 240V.

Options

Product # Kit	Price	Description
OTM-CC		CableCheck - Electrical fault indicator
OTM-CC KIT-SP1		Repair kit
KIT-CBL-SN		15 ft. (4.6 m) floor sensor



Heating Cable for Concrete on Mat

Features

Voltage

- 240/208V, 347V, 1-phase.

Construction

- Twin conductor heating cable attached to a plastic mat with negligible magnetic field.

Watt density

- 11W/sq. ft. (120W/sq. m), factory installed on mat at 6" (15 cm) spacing.

Dimension

- 24'' (0.6 m) wide mat available in several lengths.

Cold lead length

- 8' 2" (2.5 m) cold lead included.
- Optional 50' (15 m) cold lead available upon request.

Control

- Two types of control method possible (see instruction manual for details):
- Surface heating control with electronic thermostat in floor mode (F) and temperature sensor.
- Ambient heating control with electronic thermostat in ambient mode with floor limit (A or AF) and temperature sensor.

Note: A ground fault circuit interrupter (GFCI) must be used with this heating device unless exempted by the applicable national and/or local electrical code for the area of installation.

Included materials

- 15' (4.6 m) temperature sensor.
- Plastic floor fasteners (KIT-WC-CLP).
- Measurement table label (to be placed in for electrical panel).

Installation

- Never cut or shorten the heating cable.
- For indoor applications only, residential or commercial.
- Installs under a 4" to 6" (10 cm to 15 cm) concrete slab or under a 1.5" to 4" concrete topping (4 cm to 10 cm).

Note: It's highly recommended to insulate the concrete slab in order to avoid heat loss from below (see instruction manual for all installation details).

- Compatible with most floor coverings (check with the dealer or manufacturer).
- Installation with or without metallic structure for reinforced concrete.

Warranty

- 20-year warranty on the heating cable.

Application

 Basement, garage, bathroom, kitchen, family room, workshop, pool, shower, entrance way, hospital, hotel, factory, business, restaurant, sunroom, greenhouse, buildings used for housing animals.







BWC-M

Heating Cable for Concrete on Mat





Models

Wester	Product #	0.1	Product #	D.1	Covered	surface ¹	Len	gth	Wei	ght
Watts	240/208V	Price	347V	Price	sq. ft.	sq. m	ft. in.	m	lb	kg
150	BWC-M0150		-		14.0	1.3	6′5"	1.9	3.0	1.4
200	BWC-M0200		-		19.0	1.7	8' 4"	2.5	3.7	1.7
300	BWC-M0300		-		28.0	2.6	12′6"	3.8	4.0	1.8
400	BWC-M0400		-		38.0	3.5	16′8"	5.1	4.5	2.0
500	BWC-M0500		-		46.5	4.3	20'10"	6.4	5.0	2.3
600	BWC-M0600		-		56.0	5.2	25′	7.6	6.0	2.7
700	BWC-M0700		-		65.5	6.1	29′2"	8.9	7.0	3.1
850	BWC-M0850		-		80.0	7.4	35′5"	10.8	8.0	3.6
950	BWC-M0950		-		89.0	8.3	39′7"	12.1	9.0	4.0
1100	BWC-M1100		-		103.0	9.6	45′10"	14.0	10.0	4.5
1200	BWC-M1200		-		113.0	10.5	50'	15.2	11.0	5.0
1300	BWC-M1300		-		121.5	11.3	54′ 2"	16.5	12.0	5.4
1400	BWC-M1400		-		130.5	12.1	58' 4"	17.8	13.0	6.0
1500	BWC-M1500		-		140.5	13.1	62′6"	19.1	14.0	6.4
1600	BWC-M1600		-		149.5	13.9	66' 8"	20.3	15.0	6.8
1700	BWC-M1700		-		159.0	14.8	70′10"	21.6	16.0	7.2
1850	BWC-M1850		-		172.5	16.0	77' 1"	23.5	17.0	7.8
2000	BWC-M2000		BWC-M2007		187.5	17.4	83′4"	25.4	18.0	8.1
2200	BWC-M2200		-		206.0	19.1	91′6"	27.9	21.0	9.5
2400	BWC-M2400		BWC-M2407		225.0	20.9	100′	30.5	23.0	10.4
2550	BWC-M2550		-		239.0	22.2	106′6"	32.5	25.0	11.3
2700	BWC-M2700		BWC-M2707		253.0	23.5	112′6"	34.3	28.0	12.7
2850	BWC-M2850		-		267.0	24.8	119′	36.3	30.0	13.6
3000	BWC-M3000		BWC-M3007		281.0	26.1	125′	38.1	32.0	14.5
3200	BWC-M3200		-		300.0	27.9	133′6"	40.7	34.0	15.4
3400	BWC-M3400		BWC-M3407		318.5	29.6	141′8"	43.2	36.0	16.3
3600	BWC-M3600		-		336.0	31.2	150'	45.7	38.0	17.2
3700	-		BWC-M3707		346.5	32.2	154′2"	47.0	39.0	17.7
4000	-		BWC-M4007		375.0	34.8	166′8"	50.8	42.0	19.0

Does not represent the room surface but rather the area covered by the cable mat including 3" (7.5 cm) spacing between the mat strips but excluding fixed elements to be bypassed and any other required clearances.

208V = 75% of wattage at 240V.

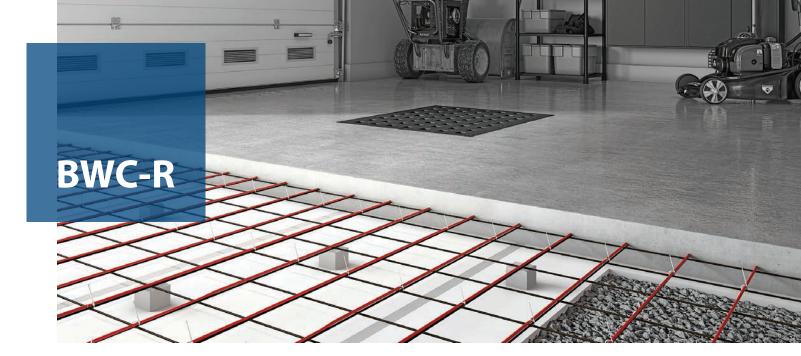
Options

Product # Kit	Product # Factory installed*	Price	Description
OTM-CC ¹	-		CableCheck – Electrical indicator
KIT-WC-CLP	-		Bag of 50 plastic floor fasteners for heating cable on mat
KIT-SP2	-		Repair kit
KIT-CBL-SN	-		15 ft. (4.6 m) floor sensor
-	50 ²		Optional 50' (15 m) cold lead

^{*} For factory installed options, add the option number to the product number.

¹ With any BWC order, the accessory OTM-CC can be added free of charge upon customer request.

 $^{^{\}rm 2}$ Made to order only. Allow additional 9 to 12 weeks lead time.



Heating Cable for Concrete in Reel

Features

Voltage

- 240/208V 1-phase.

Construction

- Twin conductor heating cable with negligible magnetic field.

Watt density

- 11W/sq. ft. (120W/sq. m), recommended installation 6" (15 cm) spacing.

Cold lead length

- $8'\,2''$ (2.5 m) cold lead included.
- Optional 50' (15 m) cold lead available upon request.

Contro

- Two types of control method possible (see instruction manual for details):
- Surface heating control with electronic thermostat in floor mode (F) and temperature sensor.
- Ambient heating control with electronic thermostat in ambient mode with floor limit (A or AF) and temperature sensor.

Note: A ground fault circuit interrupter (GFCI) must be used with this heating device unless exempted by the applicable national and/or local electrical code for the area of installation.

Included materials

- 15' (4.6 m) temperature sensor.
- Plastic tie-wraps.
- Measurement table label (to be placed in for electrical panel).

Installation

- Never cut or shorten the heating cable.
- For indoor applications only, residential or commercial.
- Installs under a 4" to 6" (10 cm to 15 cm) concrete slab or under a 1 1/2" to 4" concrete topping (4 cm to 10 cm).

Note: It's highly recommended to insulate the concrete slab in order to avoid heat loss from below (see instruction manual for all installation details).

- Requires a metallic structure or wire mesh for reinforced concrete with spacing of 6" (15 cm) for the installation.
- Compatible with most floor coverings (check with the dealer or manufacturer).

Warrantv

- 20-year warranty on the heating cable.

Application

 Basement, garage, bathroom, kitchen, family room, workshop, pool, shower, entrance way, hospital, hotel, factory, business, restaurant, sunroom, greenhouse, buildings used for housing animals.







BWC-R

Heating Cable for Concrete in Reel





Models

Watts	Product #		Covered Spacing (surface¹ 5" (15 cm)	Cable	length	Wei	ight
	240/2004		sq. ft.	sq. m	ft.	m	lb	kg
300	BWC-R0300		28.0	2.6	56	17.07	4.0	1.8
500	BWC-R0500		46.5	4.3	93	28.35	5.0	2.3
700	BWC-R0700		62.5	5.8	125	38.10	7.0	3.1
950	BWC-R0950		88.0	8.2	176	53.64	9.0	4.0
1300	BWC-R1300		125.0	11.6	250	76.20	12.0	5.4
1700	BWC-R1700		156.0	14.5	312	95.10	16.0	7.2
2000	BWC-R2000		187.0	17.4	374	114.00	18.0	8.1
2400	BWC-R2400		218.5	20.3	437	133.20	23.0	10.4
3000	BWC-R3000		279.5	26.0	559	170.38	32.0	14.5
3400	BWC-R3400		312.5	29.03	625	190.50	36.0	16.3
3700	BWC-R3700 ²		341.0	31.7	682	207.87	39.0	17.7
4000	BWC-R4000 ²		372.5	34.6	745	227.08	42.0	19.0

Does not represent the room surface but rather the area covered by the cable while leaving a 6" (15 cm) spacing between cables and excluding fixed elements to be bypassed and any other clearance required.

Options

Product # Kit	Product # Factory installed*	Price	Description
OTM-CC ¹	-		CableCheck – Electrical indicator
KIT-SP2	-		Repair kit
KIT-CBL-SN	-		15 ft. (4.6 m) floor sensor
-	50 ²		Optional 50' (15 m) cold lead

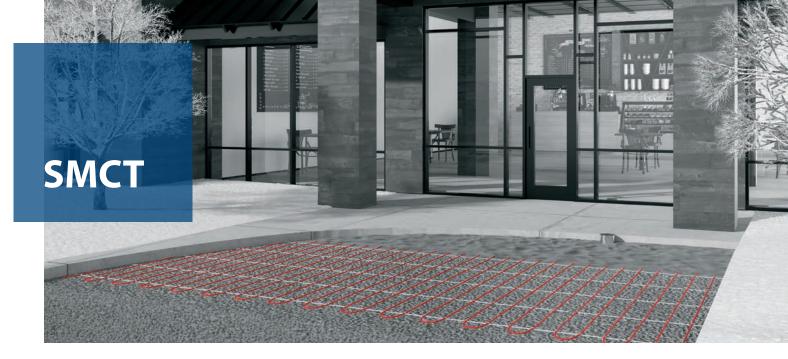
 $[\]hbox{\it *For factory installed options, add the option number to the product number.}$

² Not compatible with a floor heating thermostat rated for 15A and less. Requires relay with low voltage thermostat.

²⁰⁸V = 75% of wattage at 240V.

¹ With any BWC order, the accessory OTM-CC can be added free of charge upon customer request.

² Made to order only. Allow additional 9 to 12 weeks lead time.



Heating Cable for Snow Melting in Reel

Features

Voltage

- 208V, 240V and 600V, 1-phase.

Construction

- Series heating cable set, twin conductor type.
- Heating cable held as a mat at regular 3" (76 mm) spacing with flexible strips.
- Fluoropolymer/XLPE resistance wire insulation 0.019" (0.5 mm) thick.
- Copper shielding (0.823 sq. mm) serves as ground.
- Polyolefin (EPR) outer sheath insulation 0.08" (2 mm) thick.

Watt density

- 11W/ft. linear (538W/sq. m) at 208, 240V and 600V

Cold lead

- 16' (5 m) long.
- 12 AWG or 14 AWG (according to maximum allowable load).
- PVC outer sheath insulation 0.03" (0.76 mm) thick.
- 3/8" (9.5 mm) outer diameter.

Included materials

- Measurements table label (to be placed in electrical panel).

Installation

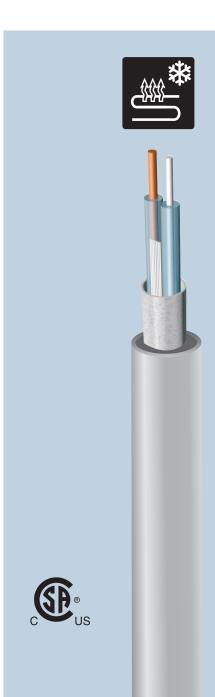
- Never cut or shorten the heating cable.
- For outdoor applications only.
- The heating cable must be completely embedded in concrete, asphalt or stone dust under paving.
- Minimum installation temperature -5 °C (23 °F).
- Maximum long-term exposure temperature 105 °C (221 °F).
- Maximum exposure temperature for 10 minutes 220 °C (428 °F).

Warranty

- 20-year warranty on heating cable.

Application

 Residential, commercial driveway, sidewalk, access ramp, underground parking ramp, boarding platforms for animals.



SMCT

Heating Cable for Snow Melting in Reel





240V Models

Watte	Product #		Amp. Resistance		Cover	Covered surface ¹		
vvatts	240V	Price	Allip.	Ohms	@45W/sq. ft.		@32W/sq. ft.	ft.
970	SMCT-240-970		4.0	59.4	21	to	30	88.6
1440	SMCT-240-1440		6.0	40.0	32	to	45	131.2
1950	SMCT-240-1950		8.1	29.5	43	to	61	177.2
2160	SMCT-240-2160		9.0	26.7	48	to	67	196.9
2890	SMCT-240-2890		12.0	19.9	64	to	90	262.5
3900	SMCT-240-3900		16.3	14.8	87	to	122	354.3
4330	SMCT-240-4330		18.0	13.3	96	to	135	393.6
4870	SMCT-240-4870		20.3	11.8	108	to	152	442.7

208V Models

Watts	Product #	Price	Amp.	Resistance	Covered surface ¹			Cable length
Walls	208V	rnce	Amp.	Ohms	@45W/sq. ft.		@32W/sq. ft.	ft.
960	SMCT-208-960		4.6	45.1	21	to	30	88.6
1440	SMCT-208-1440		6.9	30.0	32	to	45	131.2
1920	SMCT-208-1920		9.2	22.5	43	to	61	177.2
2160	SMCT-208-2160		10.4	20.0	48	to	67	196.9
2880	SMCT-208-2880		13.8	15.0	64	to	90	262.5
3900	SMCT-208-3900		18.8	11.1	87	to	122	354.3
4320	SMCT-208-4320		20.8	10.0	96	to	135	393.7
4920	SMCT-208-4920		23.7	8.8	108	to	152	442.9

600V Models

Watts	Product #	Price	A	Resistance	Cover	ırface¹	Cable length	
Walls	600V	600V	Amp.	Ohms	@45W/sq. ft.		@32W/sq. ft.	ft.
960	SMCT-600-960		1.6	375	21	to	30	88.6
1440	SMCT-600-1440		2.4	250	32	to	45	131.2
1920	SMCT-600-1920		3.2	187.5	43	to	61	177.2
2160	SMCT-600-2160		3.6	166.7	48	to	67	196.9
2880	SMCT-600-2880		4.8	125	64	to	90	262.5
3900	SMCT-600-3900		6.5	92.3	87	to	122	354.3
4320	SMCT-600-4320		7.2	83.3	96	to	135	393.7
4920	SMCT-600-4920		8.2	73.2	108	to	152	442.9
6000	SMCT-600-6000		10	60	133	to	187	548.0

 $^{^{1} \}textit{Represents the area covered by the heating system excluding fixed elements to be by passed and any other clearance required.} \\$

The covered surface will vary according to the spacing between the cables. Refer to the installation manual to determine the proper spacing.

Options

Product # Kit	Product # Factory installed*	Price	Description
OTM-CC ¹	-		CableCheck – Electrical indicator
BRIPPS-75	-		75 ft. (23 m) galvanized steel cable clip strip for installation
KIT-SP2	-		Repair kit
-	100 ²		Optional 100' (30 m) cold lead

 $^{{\}it *For factory installed options, add the option number to the product number.}$

With any SMCT order, the accessory OTM-CC can be added free of charge upon costumer request.

² Made to order only. Allow additional 9 to 12 weeks lead time.



Single Conductor Series Resistance Custom Cable Assembly for Snow Melting and De-icing Applications

Features

Voltage

- 120V to 600V (max).

Cold lead

- Standard length 15 ft. (4.57 m).
- Longer lengths available (See Options table).

Cable diameter

- 6 mm to 6.5 mm (See Models table for details).

Bending radius, minimum

- 5x cable diameter.

Maximum operating temperature

- 65 °C (149 °F).

Construction

- Stranded resistance heating wire with XLPE insulation, tinned copper grounding conductor, aluminum sheath, and PVC outer jacket.

Warranty

- 10-year limited warranty on the resistance cable.

Controls

- The slab temperature must be monitored and controlled. Requires a ground fault circuit-interrupter (GFCI).

Made to order product, to obtain a quote please contact factory.





TXLP1







Models

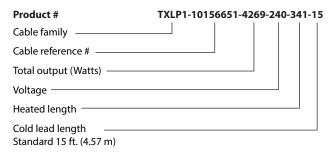
		Resistance	Cable outer diameter	Weight per		
Cable family	Cable reference #	(Ohms) per metre	mm	100 m kg	300 ft. lb	
TXLP1	10156651	12.7	6.0	4.6	11.1	
TXLP1	10156650	7.7	6.0	4.6	11.1	
TXLP1	10156649	5.35	6.0	4.6	11.1	
TXLP1	10156648	3.5	6.1	4.9	11.8	
TXLP1	10156647	2.5	6.1	5.1	12.3	
TXLP1	10156646	1.4	6.1	5.0	12.0	
TXLP1	10156645	1.0	6.3	5.2	11.8	
TXLP1	10156644	0.7	6.3	5.1	12.3	
TXLP1	10156613	0.49	6.3	5.3	12.0	
TXLP1	10156612	0.3	6.3	5.3	12.8	
TXLP1	10156611	0.2	6.3	5.3	12.8	
TXLP1	10156610	0.13	6.5	5.6	12.5	
TXLP1	10156609	0.09	6.3	5.3	12.8	
TXLP1	10156608	0.07	6.5	5.6	13.4	
TXLP1	10156607	0.05	6.5	5.7	13.6	
TXLP1	10156606	0.02	6.5	5.8	13.8	
TXLP1	10156651	12.7	6.0	4.6	11.1	
TXLP1	10156650	7.7	6.0	4.6	11.1	
TXLP1	10156649	5.35	6.0	4.6	11.1	
TXLP1	10156648	3.5	6.1	4.9	11.8	
TXLP1	10156647	2.5	6.1	5.1	12.3	
TXLP1	10156646	1.4	6.1	5.0	12.0	

¹⁵ ft. (4.57 m) cold lead included. Longer lengths available in option.

Options

Product #	Price	Description
Factory installed	only	
25		25 ft. (2.3 m) cold lead
50		50 ft. (15 m) cold lead
75		75 ft. (23 m) cold lead
100		100 ft. (30.48 m) cold lead
Kit		
BRIPPS-75		75 ft. (23 m) galvanized steel cable clip strip for installation
KIT-SP3		Repair kit

Product description code (example)



Made to order product, to obtain a quote please contact factory.



THERMA-PIPE 120V Preassembled Series Resistance Heating Cable for Pipes

Features

Nominal voltage

- 120V.

Linear density

- 7 Watts per foot.

Cold lead length

- 30 in. (0.76 m).

Outer jacket

- PVC.

Bus wire

- Nickel plated copper.

Minimum bend radius

- 5/16 in. (8 mm).

Rating

- Wet rated, for outdoor use (WS).

Included hardware

- Built-in bi-metal thermostat energizes the cable when temperature falls below 4 °C (40 °F).
- Grounded 3-pronged plug with indicator light to show when the cable is on.

Installation

- Never cut or shorten the heating cable.
- Installation under the insulation of the pipe.
- For indoor and outdoor applications.
- Minimum installation temperature: 0 °C (32 °F).

Operating temperature

- Max. continuous operating temperature : 25 °C (77 °F).

Warranty

- 2-year basic warranty on the heating cable.

Application

- Metallic and non-metallic pipes.
- Helps to prevent damage caused by frozen pipes.









BFPC

THERMA-PIPE 120V Preassembled Series Resistance Heating Cable for Pipes





Models

	Product #	Price	Amn	Lei	ngth	Watts
	Product #	rnce	Amp.	ft.	m	Walls
3	BFPC1-1A003		0.18	3	0.9	21
6	BFPC1-1A006		0.35	6	1.8	42
9	BFPC1-1A009		0.51	9	2.7	63
(12)	BFPC1-1A012		0.70	12	3.7	84
(15)	BFPC1-1A015		0.88	15	4.6	105
(18)	BFPC1-1A018		1.05	18	5.5	126
24)	BFPC1-1A024		1.40	24	7.3	168
30	BFPC1-1A030		1.75	30	9.0	210
40	BFPC1-1A040		2.34	40	12.2	280
60	BFPC1-1A060		3.50	60	18.3	420
80	BFPC1-1A080		4.67	80	24.4	560

Pipe length			Pipe diameter		
ft.	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	1(5)	115	1(5)	1(15)	115
16	1(5)	115	1(5)	1(15)	29
17	1(5)	115	1(5)	29	29
18	118	1 18	118	118	1 18
20	118	118	118	118	19+112
22	212	212	212	212	212
24	124	124	124	124	124
26	124	124	124	112+115	112+115
28	112+115	112+115	112+115	112+115	112+115
30	130	130	130	130	130
35	218	218	218	218	218
40	140	140	140	140	140
45	118+124	118+124	118+124	118+124	118+124
50	224	224	224	224	112+140
55	124+130	124+130	124+130	124+130	118+140
60	160	160	160	160	160
65	16+160	16+160	16+160	16+16	16+160
70	140+130	140+130	140+130	140+130	112+160
75	1(15)+1(60)	1(15)+1(60)	1(5)+1(60)	1(15)+1(60)	1(15)+1(60)
80	180	180	180	180	180
85	124+160	124+160	124+160	124+160	16+180
90	130+160	130+160	130+160	130+160	130+160
95	118+180	118+180	118+180	118+180	118+180
100	140+160	140+160	140+160	140+160	140+160

Pipe insulation

The pipe length chart is calculated based on 1/2" fiberglass insulation. Closed-cell flexible foam insulation may also be used.

Temperature maintenance

The pipe length chart is based on the generally accepted maintenance temperature 4 $^{\circ}$ C (40 $^{\circ}$ F) for freeze protection.

Pipe sizes

For pipe sizes not listed on the pipe length chart or for more information and assistance with cable selection contact Britech.

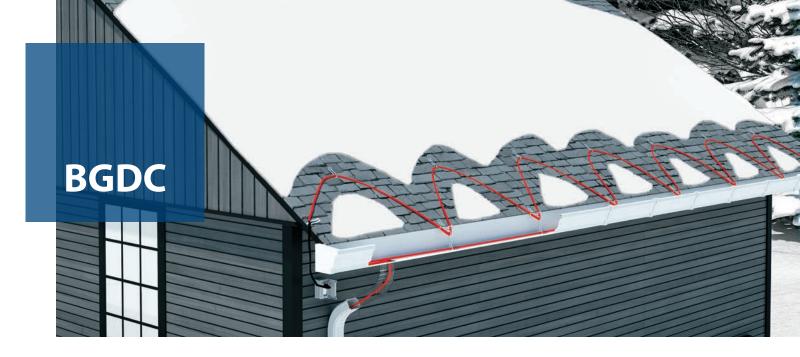
Ordering information

Product selection is based on length of pipe. Use the pipe length chart to select the proper cables by determining the pipe length and diameter.

Examples:

1@ = One BFPC1-1A060 heating cable. 2③ = Two BFPC1-1A003 heating cable.

1[®]+1[®] = One BFPC1-1A012 + One BFPC1-1A015 heating cables.



THERMA-ROOF 120V Preassembled Series Resistance Heating Cable for Roof and Gutter De-icing

Features

Nominal voltage

- 120V.

Linear density

- 5 Watts per foot.

Cold lead length

- 30 in. (0.76 m).

Outer jacket

- PVC.

Bus wire

- Nickel plated copper.

Minimum bend radius

- 1/2 in. (12 mm).

Rating

- Wet rated, for outdoor use (WS).

Included hardware

- Roof clips for cable and spacers.
- Grounded 3-pronged plug with indicator light to show when the cable is on.

Installation

- Never cut or shorten the heating cable.
- For outdoor applications only.
- Minimum installation temperature: -18 °C (0 °F).

Operating temperature

- Max. continuous operating temperature: 25 °C (77 °F).

Warranty

- 2-year basic warranty on the heating cable.

Application

- Roof and gutter de-icing.









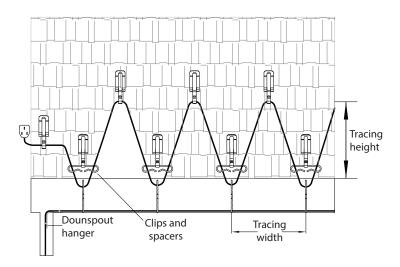


Models

Product #	Price	Amp.	Ler	Watts	
Product #	rnce	Amp.	ft.	m	Walls
BGDC1-1A020		0.8	20	6.1	100
BGDC1-1A030		1.3	30	9.1	150
BGDC1-1A060		2.5	60	18.3	300
BGDC1-1A080		3.3	80	24.4	400
BGDC1-1A100		4.2	100	30.5	500
BGDC1-1A120		5.0	120	36.6	600
BGDC1-1A140		5.8	140	42.7	700
BGDC1-1A160		6.7	160	48.8	800
BGDC1-1A180		7.5	180	54.9	900
BGDC1-1A200		8.3	200	61.0	1000
BGDC1-1A240		10.0	240	73.2	1200

Options

Product #	Price	Description
KIT-RF-CLIP		Roof clips (25) and spacers (15) for series resistance heating cable
RCR-U		Roof and gutter sentry for automatic de-icing control with humidity probe



An accurate estimate of the cable length you need is very important because you cannot change the cable length by cutting, splicing or altering it in any way. When calculating cable length, there should be a minimum of 2 inches between the bottom of the drop loop and the bottom of the gutter.

The cable must extend above the overhang into the section of the roof above the heated section of the house. In addition, in order to make a continuous path for the melted water, extend the heating cable all the way down to the gutter.

Cable length required for roofline area:

- Determine total length of roof edge (B).
- Multiply (A) and (B) to determine the length of heating cable required for roofing.

Overhan	Overhang distance		Tracing width		j height	With gutter multiplier	Without gutter multiplier	
in.	cm	in.	n. cm		cm	A	A	
No ove	erhang	15	38	22	56	3.9	3.0	
12	30	15	38	22	56	3.9	3.0	
24	61	15	38	33	84	5.3	4.5	
36	91	15	38	44	112	6.8	6.0	
48	122	15	38	55	140	8.2	7.4	
60	152	15	38	66	168	9.7	8.9	
72	183	15	38	77	196	11.1	10.3	



Micro Self-Regulating Heating Cable SR-MA-BF suitable for use in potable water



Outer jacket

- Fluoropolymer (BF).

Bus wire

- Nickel plated copper.

Minimum start-up temperature

- -30 °C (-22 °F).

Maximum operating temperature (power on)

- 60 °C (140 °F).

Maximum operating temperature (power off)

- 60 °C (140 °F).

Nominal voltage

- 120V, 240/208V.

Bending radius, minimum

- 25 mm (1 in.)

Installation temperature, minimum

- -25 °C (-13 °F).

Standard

- IEEE 515, CSA 22.2 130.03

Certification

- FM CUS 3050047

Rating

- Wet rated, for outdoor use (WS).
- PS (2000 kPa/290 psi) (BF).

Warranty

- 1-year basic warranty on the heating cable.

Application

- Heat tracing of metallic and non-metallic pipes, pumps, vessels and valves,
- Potable water line.









Micro Self-Regulating Heating Cable SR-MA-BF suitable for use in potable water







Models

Nominal output W/ft.	Product # 120V ^{1, 3}	Price/ft.	Product # 240V ^{1, 2, 3}	Price/ft.	Cable dimension approx. (mm)
3	ELSR-MA-3-1-BF		ELSR-MA-3-2-BF		7.7 x 6.4

- $^{\scriptscriptstyle 1}$ BF Protective braid, suitable for use in potable water (certified according to NSF/ANSI 61).
- 2 For operations at 208V, please consult Eltherm® correction factors/multipliers.
- ³ When ordering, the quantity on the purchase order is equal to the length in feet of the cable required. E.g.: To order a 500 ft., cable, write 500 for quantity with product code.

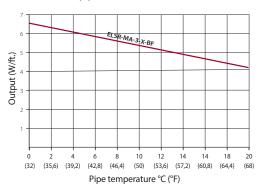
Heating circuit length

	120	V
Start-up temperature	Circuit breaker capacity (A)	Maximum heating circuit (ft.) for ELSR-MA-3-1-BF
	10	139
10 °C	15	167
(50 °F)	20	167
	25	167
	10	112
0 ℃	15	153
(32 °F)	20	153
	25	153

	240)V
Start-up temperature	Circuit breaker capacity (A)	Maximum heating circuit (ft.) for ELSR-MA-3-2-BF
	10	241
10 °C	15	302
(50 °F)	20	302
	25	302
	10	202
0 °C	15	282
(32 °F)	20	282
	25	282

ELSR-MA-3-X-BF

(in a filled water pipeline)



Maximum heating circuit on the following conditions:

- 120/240 Voltage
- MCB type QO (100% utilization)
- Voltage drop max. 10%
- Single cable fed 1 end

Eltherm® correction factors/multipliers for operation of heating cables in 208V

To calculate the corrected power output for operation in 208V, multiply the published output at 240V (in W/ft.) by the nominal output factor provided for the applicable heating cable type.

To calculate maximum heating circuit lengths for operation in 208V (tables provided in product data sheets), multiply the published max. heating circuit length at 240V provided for the applicable heating cable type.

Heating cable correction factors/	Nominal output	Heating circuit length
Multipliers	208V vs. 240V	208V vs. 240V
ELSR-MA-3-2-BF	0.82	1.00

Accessories

See Accessories section.



120V Preassembled Self-Regulating Heating Cable for Pipe Tracing for Freeze Protection and Roof and Gutter De-icing







Features

Outer jacket

- 120V.

Cold lead length

- 36" (0.9 m).

Outer jacket

- Thermoplastic.

Bus wire

- Nickel plated copper.

Maximum operating temperature (power on)

- 60 °C (140 °F).

Maximum operating temperature (power off)

- 80 °C (176 °F).

Cable section

- 14.1 mm X 5.6 mm.

Bending radius, minimum

- 25 mm (1 in.).

Included hardware

- Grounded 3-pronged plug with indicator light to show when the cable is on.

Minimum installation and start-up temperature

- -25 °C (-13 °F).

Standards

- CSA C22.2.130.03; -WS
- CAN/CSA 60079-7:12, 60079-0-11
- ANSI/IEEE 515, 515

Certification

- CSA C US 2547790

Rating

- Wet rated, for outdoor use (WS).

Warranty

- 1-year basic warranty on the heating cable.

Application

- Freeze protection, roof and gutter, pipes.









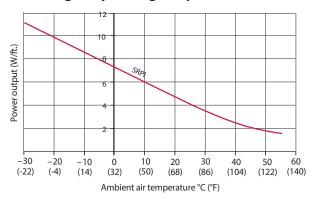


Models

Product #¹ Price		Len	gth	Nominal power output
Product #	Price	ft.	m	in air condition at 5 °C (40 °F) ²
ECK-7AO-006		6	1.8	42
ECK-7AO-012		12	3.6	84
ECK-7AO-018		18	5.5	126
ECK-7AO-025		25	7.6	175
ECK-7AO-050		50	15.2	350
ECK-7AO-075		75	22.9	525
ECK-7AO-100		100	30.5	700

 $^{^{\}scriptscriptstyle \rm T}$ Must be plugged into a 120V outlet fitted with ground fault protection device (GFCI).

Linear power output in air condition according to operating temperature



Cable heat output depending on the environment

In Snow and Ice (120V cable)

- 11W/ft. @ 50 °F (36W/m @ 10 °C)

In Dry Air

- 7W/ft. @ 50 °F (23W/m @ 10 °C)

² Because of the cable's self-regulating properties, the power density can reach up to 11 Watts per foot when buried in snow or ice: "wet density". In this situation, use of a 15 Amp. circuit breaker is valid for all models.



All Purpose Self-Regulating Heating Cable PSB

Features

Outer jacket

- Polyolefin (CR) / Fluoropolymer (CT).

Bus wire

- Nickel plated copper.

Minimum start-up temperature

- -55 °C (-67 °F).

Maximum operating temperature (power on)

- 65 °C (150 °F).

Maximum operating temperature (power off)

- 85 °C (185 °F).

Nominal voltage

- 120V, 240/208V, 277V.

Bending radius, minimum

- 25 mm (1 in.).

Installation temperature, minimum

- -55 °C (-67 °F).

Classification

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 2, Groups E, F, G
- Class III

Certification

- CAN/CSA-C22.2 No. 130-03
- CSA C US 1862457; Class: 2878-01, 2878-81

Class: 2872-01, 2872-81

Rating

- Wet rated, for outdoor use (WS).

Warranty

- 1-year basic warranty on the heating cable.

Application

- Freeze protection, heat tracing instrumentation, pipes, vessel and tanks, chemical and petrochemical industries, food processing, automotive, roof and gutter.

BARTEC



















Models

Nominal output	Prod	uct#		Outer jacket/Me	chanical shie	ld	Cable dimension
W/ft.	120V 1,3	240V 1, 2, 3	CR	Price/ft.	СТ	Price/ft.	approx. (mm)
3	3PSB1-XX	3PSB2-XX					11.6 x 5.8
5	5PSB1-XX	5PSB2-XX					11.6 x 5.8
8	8PSB1-XX	8PSB2-XX					11.6 x 5.8
10	10PSB1-XX	10PSB2-XX					11.6 x 5.8

¹ XX = Outer jacket/Mechanical shield.

Heating circuit length

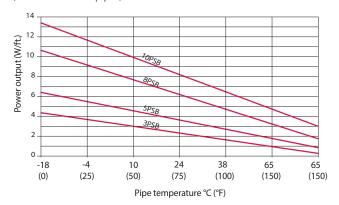
The following table shows the maximum circuit length in ft. for the different PSB trace heater types with standard circuit breaker amperages. Breaker sizes should be based on the National Electrical Code, Canadian Electrical Code or any other local or applicable code. Use only circuit breakers with type C tripping characteristics.

Start-up	Circuit breaker	120 Ma	V ximum heati	ng circuit (ft.) for
temperature	capacity ¹ (A)	3PSB1	5PSB1	8PSB1	10PSB1
10.06	20	344	279	190	154
10 °C (50 °F)	30	344	282	217	164
(30 F)	40	344	282	217	164
10.00	20	285	200	141	115
-18 °C (0°F)	30	344	282	213	164
(0 F)	40	344	282	217	164
20.96	20	256	180	128	105
-29 °C (-20 °F)	30	344	272	194	154
(-ZU F)	40	344	282	217	164
-40 °C (-40 °F)	20	233	164	118	95
	30	344	246	177	141
	40	344	282	217	164

Start-up	Circuit breaker	240\ Ma	/ ximum heating circuit (ft.) for			
temperature	capacity ¹ (A)	3PSB2	5PSB2	8PSB2	10PSB2	
10.00	20	676	538	315	200	
10 ℃ (50 °F)	30	676	558	433	299	
(30 F)	40	676	558	433	328	
10.00	20	545	387	233	148	
-18 °C (0°F)	30	676	558	351	223	
(O F)	40	676	558	433	295	
20.00	20	492	348	213	135	
-29 °C (-20 °F)	30	676	522	318	200	
(-20 F)	40	676	558	423	269	
40.96	20	446	315	194	121	
-40 °C	30	676	476	292	184	
(-40 °F)	40	676	558	387	246	

Breaker sizing should be based on the National Electrical Code, Canadian Electrical Code or any other applicable code. The NEC and CEC require ground-fault protection of equipment for each branch $circuit \, supplying \, electric \, heating \, equipment. \, Check \, local \, codes \, for \, ground-fault \, protection \, requirements.$

Power output 120V/240V under nominal conditions (on insulated steel pipes)



Maximum heating circuit on the following conditions:

- 120/240 Voltage
- Voltage drop max. 10%
- Single cable fed 1 end

Cable heat output depending on the environment

In Snow and Ice

In Dry Air

- 13W/ft. @ 32 °F (42W/m @ 0 °C) - 8W/ft. @ 32 °F (26W/m @ 0 °C)

Bartec correction factors/multipliers for operation of heating cables in 208V and 277V

To calculate the corrected power output for operation in 208V or 277V, multiply the published output at 240V (in W/ft.) by the nominal output factor provided for the applicable heating cable type.

To calculate maximum heating circuit lengths for operation in 208V or 277V (tables provided in product data sheets), multiply the published max. heating circuit length at 240V provided for the applicable heating cable type.

Due to the cable's self-regulating properties, the power density can reach up to 11W/ft. (120V) and 13W/ft. (240V) when buried in snow or ice: "wet density".

Adjustment factors	Heating cable correction factors/ Multipliers	Nominal output	Heating circuit length
	3PSB2	0.90	0.96
208V	5PSB2	0.93	0.94
208V	8PSB2	0.95	0.92
	10PSB2	0.97	0.92
	3PSB2	1.23	1.09
277V	5PSB2	1.19	1.10
2//V	8PSB2	1.11	1.14
	10PSB2	1.06	1.16

Accessories

CR Protective braid and a polyolefin outer jacket.

CT Protective braid and a fluoropolymer outer jacket.

² For operations at 208V or 277V, please consult Bartec correction factors/multipliers.

When ordering, the quantity on the purchase order is equal to the length in feet of the cable required.

E.g.: To order a 500 ft., cable, write 500 for quantity with product code.



Medium Temperature Self-Regulating Heating Cable MSB

BARTEC

Features

Outer jacket

- Fluoropolymer (CT).

Bus wire

- Nickel plated copper.

Minimum start-up temperature

- -60 °C (-76 °F).

Maximum operating temperature (power on)

- 110 °C (230 °F).

Maximum operating temperature (power off)

- 110 °C (230 °F), continuous.
- 130 °C (266 °F), power off for 1000 hr cumulative.

Nominal voltage

- 120V, 240/208V, 277V.

Bending radius, minimum

- 25 mm (1 in.).

Installation temperature, minimum

- -60 °C (-76 °F).

Classification

- Ex 60079-30-1 IIC T3, T4 Gb
- Ex 60079-30-1 IIIC T170 °C, T130 °C Db
- Class I, Division 2, Groups A, B, C, D
- Class II, Division 2, Groups E, F, G
- Class III, T4 3MSB, 5MSB
- Class III, T3 10MSB, 15MSB, 20MSB

Standards

- CSA C22.2.130.16; -WS
- Ex CAN/CSA 60079-30 IIC T3, T4b
- 60079-30 IIIC T170 °C, T 130 °C Db
- IEEE 515.1-2012, 515-2017

Certification

- IECEx DEK 17.0004U
- CSA C US 1862457

Rating

- Wet rated, for outdoor use (WS).

Warranty

- 1-year basic warranty on the heating cable.

Application

- Freeze protection, heat tracing instrumentation, pipes, vessel and tanks, chemical and petrochemical industries, food processing, automotive.









Models

Nominal output	Prod	uct#	Price/ft.	Cable dimension
W/ft.	120V ^{1, 3}	240V 1, 2, 3	Price/it.	approx. (mm)
3	3MSB1-CT	3MSB2-CT		10.2 x 4.8
5	5MSB1-CT	5MSB2-CT		10.2 x 4.8
10	10MSB1-CT	10MSB2-CT		10.2 x 4.8
15	15MSB1-CT	15MSB2-CT		10.2 x 4.8
20	20MSB1-CT	20MSB2-CT		10.2 x 4.8

- ¹ CT Protective braid and a fluoropolymer outer jacket.
- ² For operations at 208V, please consult Bartec correction factors/multipliers.
- ³ When ordering, the quantity on the purchase order is equal to the length in feet of the cable required. E.g.: To order a 500 ft., cable, write 500 for quantity with product code.

Heating circuit length

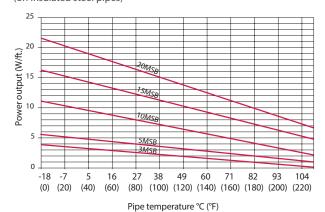
The following table shows the maximum circuit length in ft. for the different MSB trace heater types with standard circuit breaker amperages. Breaker sizes should be based on the National Electrical Code, Canadian Electrical Code or any other local or applicable code. Use only circuit breakers with type C tripping characteristics.

120V Circuit breaker Maximum heatir capacity¹				heating cir	rcuit (ft.) fo	r
temperature	(A)	3MSB1	5MSB1	10MSB1	15MSB1	20MSB1
10 °C	20	394	279	157	115	89
(50 °F)	30	394	322	226	138	128
(50 F)	40	394	322	226	138	128
-18 °C	20	338	243	135	98	79
(0°F)	30	394	322	203	138	118
(U F)	40	394	322	226	138	128
-29 °C	20	322	233	128	95	75
(-20 °F)	30	394	322	194	138	112
(-20 F)	40	394	322	226	138	128
-40 °C	20	305	322	121	92	72
(-40 °F)	30	394	322	184	135	105
(-40 F)	40	394	322	226	138	128

Start-up	Circuit breaker		240V Maximum	heating cir	cuit (ft.) fo	r
temperature	capacity ¹ (A)	3MSB1	5MSB1	10MSB1	15MSB1	20MSB1
10 °C	20	755	538	302	220	171
(50 °F)	30	761	627	443	276	253
(50 F)	40	761	627	443	276	253
10.90	20	646	469	259	190	148
-18 °C (0°F)	30	761	627	390	276	223
(U F)	40	761	627	443	276	253
20.96	20	614	446	246	180	141
-29 °C	30	761	627	371	272	210
(-20 °F)	40	761	627	443	276	253
40.90	20	584	427	236	174	135
-40 °C	30	761	627	354	259	200
(-40 °F)	40	761	627	443	276	253

Breaker sizing should be based on the National Electrical Code, Canadian Electrical Code or any other applicable code. The NEC and CEC require ground-fault protection of equipment for each branch circuit supplying electric heating equipment. Check local codes for ground-fault protection requirements.

Power output 120V/240V under nominal conditions (on insulated steel pipes)



Maximum heating circuit on the following conditions:

- 120/240 Voltage
- Voltage drop max. 10%
- Single cable fed 1 end

Bartec correction factors/multipliers for operation of heating cables in 208V and 277V

To calculate the corrected power output for operation in 208 or 277V, multiply the published output at 240V (in W/ft.) by the nominal output factor provided for the applicable heating cable type.

To calculate maximum heating circuit lengths for operation in 208V or 277 (tables provided in product data sheets), multiply the published max. heating circuit length at 240V provided for the applicable heating cable type.

Adjustment factors	Heating cable correction factors/ Multipliers	Nominal output	Heating circuit length
	3MSB2	0.83	0.99
	5MSB2	0.85	0.98
208V	10MSB2	0.92	0.94
	15MSB2	0.95	0.93
	20MSB2	0.97	0.91
	3MSB2	1.37	1.03
	5MSB2	1.31	1.05
277V	10MSB2	1.19	1.02
	15MSB2	1.15	1.12
	20MSB2	1.09	1.13

Accessories



High Temperature Self-Regulating Heating Cable HSB

BARTEC

Features

Outer jacket

- Fluoropolymer (CT).

Bus wire

- Nickel plated copper.

Minimum start-up temperature

- -60 °C (-76 °F).

Maximum operating temperature (continuous)

- 120 °C (248 °F).

Maximum operating temperature (intermittent)

- 200 °C (392 °F), continuous.
- 190 °C (374 °F), power off for 1000 hr cumulative.

Nominal voltage

- 120V, 240/208V.

Bending radius, minimum

- 25 mm (1 in.).

Installation temperature, minimum

- -60 °C (-76 °F).

Classification

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 2, Groups E, F, G
- Class III

Certification

- CAN/CSA-C22.2 No. 130-03
- CSA C US 1862457;

Class: 2878-01, 2878-81

Class: 2872-01, 2872-81

Rating

- Wet rated, for outdoor use (WS).

Warranty

- 1-year basic warranty on the heating cable.

Application

- Freeze protection, heat tracing instrumentation, pipes, vessel and tanks, chemical and petrochemical industries, food processing, automotive.











Models

Nominal output	Prod	uct#	Price/ft.	Cable dimension
W/ft.	120V ^{1, 3}	240V 1, 2, 3	riice/it.	approx. (mm)
5	5HSB1-CT	5HSB2-CT		10.2 x 4.8
10	10HSB1-CT	10HSB2-CT		10.2 x 4.8
15	15HSB1-CT	15HSB2-CT		10.2 x 4.8
20	20HSB1-CT	20HSB2-CT		10.2 x 4.8

¹ CT Protective braid and a fluoropolymer outer jacket.

Heating circuit length

The following table shows the maximum circuit length in ft. for the different HSB trace heater types with standard circuit breaker amperages. Breaker sizes should be based on the National Electrical Code, Canadian Electrical Code or any other local or applicable code. Use only circuit breakers with type C tripping characteristics.

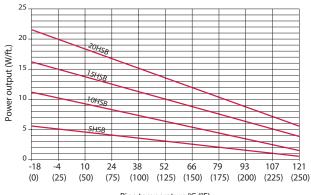
120V								
Start-up temperature	Circuit breaker capacity ¹ (A)	5HSB1	10HSB1	15HSB1	20HSB1			
10 °C (50 °F)	20	279	157	115	89			
	30	322	226	138	128			
	40	322	226	138	128			
	20	243	135	98	79			
-18 °C (0°F)	30	322	203	138	118			
(U F)	40	322	226	138	128			
20.05	20	233	128	95	75			
-29 ℃ (-20 °F)	30	322	194	138	112			
(-20 F)	40	322	226	138	128			
40.00	20	322	121	92	72			
-40 °C (-40 °F)	30	322	184	135	105			
	40	322	226	138	128			

		240	V		
Start-up temperature	Circuit breaker capacity ¹ (A)	5HSB1	10HSB1	15HSB1	20HSB1
10.00	20	538	302	220	171
10 °C (50 °F)	30	627	443	276	253
(50 F)	40	627	443	276	253
10.00	20	469	259	190	148
-18 °C (0°F)	30	627	390	276	223
(0 F)	40	627	443	276	253
20.06	20	446	246	180	141
-29 ℃ (-20 °F)	30	627	371	272	210
(-20 F)	40	627	443	276	253
40.00	20	427	236	174	135
-40 °C (-40 °F)	30	627	354	259	200
	40	627	443	276	253

Breaker sizing should be based on the National Electrical Code, Canadian Electrical Code or any other applicable code. The NEC and CEC require ground-fault protection of equipment for each branch circuit supplying electric heating equipment. Check local codes for ground-fault protection requirements.

Power output 120V/240V under nominal conditions

(on insulated steel pipes)



Pipe temperature °C (°F)

Bartec correction factors/multipliers for operation of heating cables in 208V

To calculate the corrected power output for operation in 208V, multiply the published output at 240V (in W/ft.) by the nominal output factor provided for the applicable heating cable type.

To calculate maximum heating circuit lengths for operation in 208V (tables provided in product data sheets), multiply the published max. heating circuit length at 240V provided for the applicable heating cable type.

Adjustment factors	Heating cable correction factors/ Multipliers	Nominal output	Heating circuit length
	5HSB2-CT	0.85	0.98
	10HSB2-CT	0.92	0.94
	15HSB2-CT	0.95	0.93
	20HSB2-CT	0.97	0.91

Maximum heating circuit on the following conditions:

- 120/240 Voltage
- Voltage drop max. 10%
- Single cable fed 1 end

Accessories

² For operations at 208V, please consult Bartec correction factors/multipliers.

³ When ordering, the quantity on the purchase order is equal to the length in feet of the cable required. E.g.: To order a 500 ft., cable, write 500 for quantity with product code.



High Temperature Constant Wattage Heating Cable BPL

BARTEC

Features

Outer jacket

- Aluminum.

Bus wire

- Nickel plated copper.

Minimum start-up temperature

- -40 °C (-40 °F).

Maximum exposure temperature

- 350 °C (662 °F), continuous.
- 425 °C (797 °F), intermittent.

Nominal voltage

- 110 to 120V, 208 to 277V.
- For 277V applications please contact factory.

Bending radius, minimum

- 25 mm (1 in.).

Installation temperature, minimum

- -40 °C (-40°F).

Classification

- II 2G Ex e II T* Gb
- II 2D Ex tb IIIC T* Db

Standards

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 2, Groups E, F, G
- Class III.
- T1 to T3 (see table maximum pipe/work piece temperature)

Certification

- ATEX, IECEx, EAC*
- CSA 1350782 / 1352981

Warranty

- 2-year basic warranty on the heating cable.

Application

- Installation in non-hazardous and hazardous areas (Class 1, Division 2).

















Maximum circuit length

120V									
Start-up	Circuit breaker	Maxim	num heating c	ircuit length	(ft.) for				
temperature	capacity ¹ (A)	5BPL1-AL	10BPL1-AL	15BPL1-AL	20BPL1-AL				
10.00	20	291	178	121	85				
10 °C (50 °F)	30	291	210	162	97				
(30 F)	40	291	210	162	131				
10.00	20	275	162	108	78				
-18 °C (0°F)	30	275	194	152	87				
(U F)	40	275	194	152	124				
40.00	20	259	146	114	72				
-40 °C (-40 °F)	30	259	178	145	81				
	40	259	178	145	118				

Start-up	Circuit breaker	240V Maximum heating circuit length (ft.) for					
temperature	capacity ¹ (A)	5BPL2-AL	10BPL2-AL	15BPL2-AL	20BPL2-AL		
10 °C (50 °F)	20	567	340	246	170		
	30	567	405	344	278		
(30 F)	40	567	405	344	278		
10.00	20	550	324	229	164		
-18 °C (0°F)	30	550	388	328	262		
(U F)	40	550	388	328	262		
40.00	20	518	307	213	147		
-40 °C (-40 °F)	30	518	372	311	255		
	40	518	372	311	255		

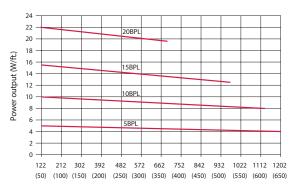
		208	BV				
Start-up	Circuit breaker	Maximum heating circuit length (ft.) for					
temperature	capacity ¹ (A)	5BPL2-AL	10BPL2-AL	15BPL2-AL	20BPL2-AL		
10.00	20	518	324	194	146		
10 °C (50 °F)	30	518	356	275	227		
	40	518	356	275	227		
10.90	20	502	308	185	136		
-18 °C (0°F)	30	502	340	266	217		
(0 F)	40	502	340	266	217		
40.00	20	470	292	178	130		
-40 °C (-40 °F)	30	470	324	259	211		
	40	470	324	259	211		

		277	7 V				
Start-up	Circuit breaker	Maximum heating circuit length (ft.) for					
temperature	capacity ¹ (A)	5BPL2-AL	10BPL2-AL	15BPL2-AL	20BPL2-AL		
10.00	20	639	328	203	147		
10 °C (50 °F)	30	639	442	321	229		
(30 F)	40	639	442	344	301		
10.90	20	623	311	193	144		
-18 °C (0°F)	30	623	426	308	223		
(0 F)	40	623	426	328	288		
40.00	20	606	314	190	138		
-40 °C (-40 °F)	30	606	410	301	216		
	40	606	410	311	282		

¹ Breaker sizing should be based on the National Electrical Code, Canadian Electrical Code or any other applicable code. The NEC and CEC require ground-fault protection of equipment for each branch circuit supplying electric heating equipment. Check local codes for ground-fault protection requirements.

Power conversion factors	Power output	Zone length BPL1-AL	in.	mm	Zone length BPL2-AL	in.	mm
110V	0.84	5BPL1-AL	31.5	800	5BPL2-AL	48.0	1220
208V	0.75	10BPL1-AL	27.6	700	10BPL2-AL	35.4	900
277V	1.33	15BPL1-AL	24.6	625	15BPL2-AL	29.9	760
		20BPL1-AL	19.7	500	20BPL2-AL	25.6	650

Power temperature curves 120V and 240V



Pipe temperature °C (°F)

Max. pipe/work piece temperatures (120V or 240V)¹

		Safe ³							
Product #	oduct # W/m		T3		T2		1	Jale	
		°C	°F	°C	°F	°C	°F	°C	°F
5BPL-AL	15	160	320	289	552	350	662	350	662
10BPL-AL	30	100	212	246	475	323	613	323	613
15BPL-AL	50	30	86	178	352	276	529	276	529
20BPL-AL	70	-	-	80	176	185	365	185	365

¹ For 277 V applications contact factory representative

Models

Nominal output	Prod	Product #		Product #	Price/ft.	Cable dimension
W/ft.	120V 240V		W/ft.	208V	Price/it.	approx. (mm)
5	5BPL1-AL	5BPL2-AL	4	5BPL2-AL		10.7 x 7.7
10	10BPL1-AL	10BPL2-AL	7.5	10BPL2-AL		10.7 x 7.7
17	15BPL1-AL	15BPL2-AL	12.5	15BPL2-AL		10.7 x 7.7
22	20BPL1-AL	20BPL2-AL	17.5	20BPL2-AL		10.7 x 7.7

When ordering, the quantity on the purchase order is equal to the length in feet of the cable required. E.g.: To order a 500 ft., cable, write 500 for quantity with product code.

Accessories

See Accessories section.

² Surface temperature limits in accordance with EN60079

³ Surface temperature limited by materials of construction (maximum exposure temperature, intermittent)



Fluoropolymer Insulated Series Resistance Heating Cable



Features

Outer jacket

- Fluoropolymer.

Bus wire

- Nickel plated copper.

Maximum operating temperature

- 250 °C (482 °F).

Nominal voltage, maximum

- 0-750V, AC and DC voltages applicable.

Output, max

- 30 W/m.

Note: The output per unit length of the heating cable and the maximum possible operating temperatures depend on the respective application. Please contact the factory for application specific requirements and calculations.

Bending radius, minimum

- 10 mm (0.4 in.).

Installation temperature, minimum

- -60 °C (-76 °F).

Classification

ELKM-AG-NA (non-hazardous area):

- Industrial and commercial applications, Canada USA

NB Environment (hazardous area):

- Class I Division 2 Group A, B, C, D
- Class II Division 1 Group E, F, G
- Class III Division 1
- Class I Zone 1 AEx de IIC T6...T2 / Ex de IIC
- T6...T2 Gb

NC Environment (hazardous area):

- Class I Division 1 Group A, B, C, D

Standards

- FM16NUS0004
- FM16US0124X
- FM16NC0003
- FM16CA0069X

Certification

- IEC/IEEE 60070-30-1, IEEE 515
- CSA 22.2 130-16

Rating

- Wet rated, for outdoor use (WS).

Warranty

- 1-year basic warranty on the heating cable.

Application

 Product line heat tracing (crude oil, natural gas, caustic soda, waste water and product transfer lines), tank and vessel heat tracing, pipe, valve and pump heating, tank container heating, IBC's, storage facility heating, viscosity control and instrumentation heat tracing.

Made to order product, to obtain a quote please contact factory.















Cable Specifications

Nominal resistance		liameter prox.	Weight approx.	approx. coefficient			iameter rox.	Weight approx.	Temperature coefficient
(Ω/ft.)	in.	mm	lb/ft.	(x 10 ⁻³ / K)	(Ω/ft.)	in.	mm	lb/ft.	(x 10 ⁻³ / K)
0.0036	0.23	5.9	0.0511	4.20	0.1463	0.22	5.4	0.0412	0.10
(Cu 1.5 mm ²)	0.23	5.9	0.0511	4.30	0.1463	0.22	5.4	0.0412	0.18
0.0152	0.21	5.4	0.0461	1.60	0.1829	0.21	5.3	0.0394	0.18
0.0198	0.22	5.5	0.0429	1.60	0.2438	0.20	5.2	0.0375	0.18
0.0244	0.23	5.9	0.0491	0.90	0.3048	0.21	5.3	0.0394	0.04
0.0305	0.22	5.7	0.0461	0.90	0.4481	0.20	5.2	0.0370	0.04
0.0479	0.22	5.7	0.0459	0.45	0.5334	0.20	5.2	0.0368	0.04
0.0549	0.21	5.4	0.0404	0.90	0.5791	0.22	5.4	0.0402	0.40
0.0610	0.22	5.5	0.0429	0.45	0.8839	0.20	5.2	0.0374	0.40
0.0792	0.21	5.4	0.0408	0.45	1.2192	0.20	5.1	0.0356	0.40
0.0853	0.21	5.3	0.0388	0.38	1.4326	0.20	5.0	0.0349	0.15
0.1036	0.21	5.3	0.0386	0.45	1.8288	0.20	5.0	0.0343	0.20
0.1097	0.20	5.2	0.0382	0.45	2.1336	0.19	5.0	0.0336	0.15
0.1311	0.23	5.5	0.0422	0.18	2.4384	0.19	4.9	0.0332	0.15

Weight tolerances are possible for manufacturing reasons.

Resistance tolerance: +/- 5 %.

For applications with fixed external diameter, please contact the factory.

Cables shall neither intersect nor contact.

Ground fault protection device 30 mA required for each circuit.

Options

Product #	Price	Environment	Description
EL-HAZELECT-AG		NC	Connection kit 1/2" NPT Class I Div 1 and 2 Group ABCD, Class II Div 1 and 2 Groups EFG, Class III ,
EL-HAZELECT-AG		INC	Class I Zone 1 Group IIC
ELVB-AG-NA-NB-NC		NA/NB/NC	Splice kit for ELKM-AG-NA all environments (set of 2)
ELVB-NA-38		NA	Cable gland connection kit for ELKM-AG-NA NEC/CEC 3/8" NPT non-hazardous area
ELVB-NA-M12		NA	Cable gland connection kit for ELKM-AG-NA NEC/CEC M12 x 1.5 non-hazardous area
ELVB-NB-12		NB	Cable gland connection kit for ELKM-AG-NA NEC/CEC 1/2" NPT hazardous area
ELVB-NB-M16		NB	Cable gland connection kit for ELKM-AG-NA NEC/CEC M16 x 1.5 hazardous area

Made to order, please contact factory for design assistance.

ELK-AG-NA may be supplied on spools and field terminated, provided the following conditions are met:

Heating circuit design to be carried out or approved by the factory.

Only Eltherm supplied and certified termination kits may be used.

 $Heating\ circuit\ installation\ and\ start-up\ to\ be\ performed\ by\ qualified\ personnel\ only.$

Eltherm product and approval markings to be applied to product.

Product description code (example)

Made to order product, to obtain a quote please contact factory.

For hazardous area

ELKM-AG-NA cable is approved for all environments.

For hazardous area applications please refer to the Options table to select the proper termination kit.

NB: Class 1 Division 2 **NC**: Class 1 Division 1

	Product #	Price	Description
married EC Technology	ELVB-SRAM-34-ST		Power connection with steel/zinc cable gland/fitting, 3/4" NPT non-hazardous location
Section of the section of the sec	EL-ECMF		End termination
AND	KIT-OSR-ELSR-MA-BF		End and power termination kit with warning sticker
	KIT-OSR-ECA-MABF -PH-FIT		Brass gland cable fitting 3/4" NPT
	KIT-OSR-MABF- PH-112-CTSOD		Quick connect plumbing kit for 1 1/2" OD polyethylene CTS pipes
	KIT-OSR-MABF- PH-114-CTSOD		Quick connect plumbing kit for 1 1/4" OD polyethylene CTS pipes
	KIT-OSR-MABF- PH-1-CTSOD		Quick connect plumbing kit for 1"OD polyethylene CTS pipes
	KIT-OSR-MABF- PH- 112-ID		Quick connect plumbing kit for 1 1/2" ID polyethylene pipes
	KIT-OSR-MABF- PH-114-ID		Quick connect plumbing kit for 1 1/4" ID polyethylene pipes
	KIT-OSR-MABF- PH-1-ID		Quick connect plumbing kit for 1" ID polyethylene pipes
	KIT-OSR-MABF- PH-34-ID		Quick connect plumbing kit for 3/4" ID polyethylene pipes

	Product #	Price	Description
	TWISTO-N-B-PK		Power connection kit with 5' (1.5 m) power cable and end seal
	TWISTO-N-B-S		Splice kit for connecting two heating cables
	TWISTO-N-B-T		T-junction kit for 3 heating cables
	TWISTO-N-B-PS		Heating cable powered splice kit with 5' (1.5 m) power cable
	TWISTO-N-B-PT		T-junction powered kit for 3 heating cables with 5' (1.5 m) power cable
	TWISTO-N-B-X		Splice kit X-Branch for 4 heating cables
	TWISTO-N-B-P		Heating cable powered connection kit with 5' (1.5 m) power cable without end seal
CARLES CO.	TWISTO-N-B-5E		Heating cable end seal
	IEB-P		Insulation entry bushing

Product #	Price	Description
PBS-220-A		High profile single entry power connection kit with stand and junction box on pipe with 8 AWG terminals
ELL-220-A		High profile end seal kit on pipe with red light
САК-АН-А		Cold applied kit for off pipe M20
НАК-АН-А		Heat shrink kit for on pipe stand
BPL-BP		Thermo barrier pad
BPL-BRACKET		Mounting brackets, qty 220

Product #	Price	Description
PBS-200-A		High profile single entry power connection kit for PSB/MSB/HSB cable with stand and junction box on pipe with 8 AWG terminals For complete kit contents and approvals please see data sheets available on our website
PBS-200-A10		High profile single entry power connection kit for PSB/MSB/HSB cable with stand and junction box on pipe with 6 AWG terminals For complete kit contents and approvals please see data sheets available on our website
PBS-300-A		High profile single entry power connection kit for PSB/MSB/HSB cable with stand and junction box off pipe with 8 AWG terminals For complete kit contents and approvals please see data sheets available on our website
PBM-200-A		High profile multiple entry power connection kit for PSB/MSB/HSB cable with stand and junction box on pipe with 8 AWG terminals For complete kit contents and approvals please see data sheets available on our website
PBM-300-A		High profile multiple entry power connection kit for PSB/MSB/HSB cable with stand and junction box off pipe with 8 AWG terminals For complete kit contents and approvals please see data sheets available on our website
CAK-SRP-PA		Connection kit for ordinary locations NPT 1/2 poly gland for PSB Cable
CAK-SRM-HA		Connection kit for ordinary locations NPT 1/2 metal gland for MSB/HSB cable
PBS-SPA		Small pipe adapter for power connection with PBS kits
PBM-SPA		Small pipe adapter for power connection with PBM kits

	Product #	Price	Description
	ELL-200-A		High profile end seal kit for PSB/MSB/HSB cable on pipe with red light For complete kit contents and approvals please see data sheets available on our website
	ELL-300-A		High profile end seal kit for PSB/MSB/HSB cable off pipe with red light For complete kit contents and approvals please see data sheets available on our website
	ELS-200		High profile end seal kit for PSB/MSB/HSB cable on pipe with weather head For complete kit contents and approvals please see data sheets available on our website
	CAK-E5-A		Silicone end seal kits for PSB/MSB/HSB cable with 1x RTV (pkg of 5)
ann'tec	CAK-E10-A		Silicone end seal kits for PSB/MSB/HSB cable with 2x RTV (pkg of 10)
	CAK-D5-A		Cold applied kit on pipe stand for PSB/MSB/HSB cable For complete kit contents and approvals please see data sheets available on our website
	САК-РН-А		Cold applied kit off pipe M20 for PSB/MSB/HSB cable

Product #	Price	Description
IEB-H		Insulation entry bushing for HSB/MSB cable
IEB-PT		Insulation entry bushing for Pt100 Ex sensor (M25)
EHT-CKT-TAG		Heat tracing phenolic circuit tags for PSB/MSB/HSB cable
EHT-TAG		Heat tracing stainless steel circuit tags for PSB/MSB/HSB cable
TW-05		Stainless steel tie wire 1100' for PSB/MSB/HSB cable

	Product #	Price	Description
	ELB-RCLIP		Roof clips for cable, qty 25
HAR	BT-50		Matte black roof clips (10 per pack)
	ELB-20		Stainless steel downspout 90° mounting plate with nylon ties
	ELB-21		Stainless steel gutter mounting plate with nylon ties
	KIT-BSR-DRD		BSR series kit, roof drain de-icing bracket kit
	10068944		Plastic spacers for gutters and drains (10 per pack)
	10191134		Stainless steel suspension hanger for downspout
	BRIPPS-75		75' (23 m) galvanized steel cable clip strip for installation
WARNING / ATTENTON CACCOME HOUSe 1-900 THE SIZE LECTRON Allower species 2-900 THE SIZE LECTRON ALL STATE SIZE LECTRON ALL	HT-2-SIGN		Lamacoid snow melting warning sign English/French

	Product #	Price	Description
R. H. H.	BT-50		Matte black roof clips (10 per pack)
	CGSTAPE-6558		Glass cloth tape with silicone backing 260 °C 1/2" X 108'
	CGSTAPE-6758		Glass filament tape 130 °C 3/4" X 180'
	FR50F48 FR50F50		Self-adhesive aluminum tape -30 °C to 120 °C 2" X 150'
	GT108-TAPE		Self-adhesive fiber glass tape maximum temperature 200 °C 1/2" x 108'
LICENTIC USA TIACAGO - TATACUN ELETRODOS ELETROS USAS TIACAGO - TATACON ELE	HT-1-LABEL		Electric heat tracing warning label English/French
	PC-1		Stainless steel pipe strap, up to 3" diameter
	PC-2		Stainless steel pipe strap, up to 10" diameter

	Product #	Price	Description
786	TH115-AF-GA/U		Programmable electronic thermostat with built-in GFCI for floor heating system 15 Amp., 120/208/240V, GFCI mA¹
[2] IS'	OTH3600-GA ^{2,3}		Non programmable electronic thermostat for floor heating system 15 Amp., 120/208/240V, Class A, GFCI mA¹ Compliance with standard CAN/CSA-C828-13
\$85 2 15	OTH3600P-GA ^{2,3}		Programmable electronic thermostat for floor heating system 15 Amp., 120/208/240V, Class A, GFCI mA¹ Compliance with standard CAN/CSA-C828-13
\$5.5 -6.5 1932	OTH3600-GA-ZB ^{2,3}		Smart thermostat - Zigbee for floor heating system 15 Amp., 120/208/240V, Class A, GFCI mA¹ Zigbee CSA-C828-13 Performance Standard Tineviwers with the performance Standard
885	TH1310WF ^{2,3}		Smart thermostat – Wi-Fi for floor heating system 15 Amp., 120/208/240V, Class A, GFCI mA¹ WiFi CSA-C828-13 Performance Standard Works with Works with Hey Google Works with Apple HomeKit SmartThings
N- William	TR1310-120-240GA ³		Slave unit for floor heating system 15 Amp., 120/208/240V, Class A, GFCI mA ¹
in the second se	GT130⁴		Smart gateway that provides remote access to the OTH3600-GA-ZB Zigbee Intertek

¹ GFCI: Ground fault circuit interrupter.

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² 15' (4.6 m) floor sensor included.

³ Standard color is white.

⁴ Standard color is black.



	Product #	Price	Description
C. I The Control of t	ETO2		Fully automatic and economical dual-zone electronic controller, suitable for controlling electric heating cables in one or two zones, 1-zone: 3 x 16A, 2-zone: 2 x 16A, 120V to 240V Suitable for use with GFEP panels
	ETO2-BOX		Mounting box dual-zone electronic controller ETO2
	ETOG		Ground sensor to detect humidity and temperature with 33' (10 m) side entry cable
	ETOG-56		Ground sensor to detect humidity and temperature with 80' (25 m) bottom entry cable
	ETOK-1		Mounting tube for ground sensor ETOG-56
	ETOR-55		Gutter sensor to detect humidity with 33' (10 m) cable
OUTDOON SENSOR UTS GIVENE LOS FOLER ATT 7	ETF-744-99		24V outdoor sensor for measuring temperature



	Product #	Price	Description
The same of the sa	DS-2C		Aerial mounted controller with sensor to detect humidity and temperature, 30A: 100V to 277V, 20A: 28VDC
CONTRACTOR OF THE PROPERTY OF	DS-5C		Aerial mounted controller with sensor to detect humidity and temperature, 2X 30A, 100V to 277V
THE THE PART OF TH	DS-8C		Aerial mounted controller with sensor to detect temperature and a sensor to detect humidity with 10' (3 m) cable, 30A, 100V to 277V
ADDICE TO CONTROL OF THE PROPERTY OF THE PROPE	DS-9C		Aerial mounted controller with sensor to detect temperature and a sensor to detect humidity with 10' (3 m) cable, 2 X 30A, 100V to 277V
	EX-50		50' (15 m) extension kit, with connection fittings for humidity sensor
AES (COL.)	CDP-2		Interior controller and display for DS controllers



	Product #	Price	Description
SS MAN SHIT ST - X	APS-3C-120V		Automatic snow and ice melting control system 120V, 24A
The state of the s	APS-3C-208-240V		Automatic snow and ice melting control system 208-240V, 24A
The latter of th	APS-4C-208-240V		Automatic snow and ice melting control system 208-240V, 50A c/w built-in adjustable 30 mA GFEP
The same and the s	EUR-5A		24V controller for snow and ice melting system c/w RCU-3 remote control unit
CONTROL OF THE PARTY OF THE PAR	GF-PRO		NEMA 4X dual sensor capability controller for snow and ice melting system 100-277V, 30A c/w built-in 30 mA GFEP



	Product #	Price	Description
	LCD-8-100-240V		Configurable aerial mounted snow and ice melting system controller
ENCADA ON THE STATE OF THE STAT	PD-PRO		NEMA 3R dual sensor capability controller for snow and ice melting system 100-277V, 30A
O O O O O O O O O O O O O O O O O O O	RCU-3		Remote control unit for APS-3C, PD-PRO and EUR-5A
The contract of the contract o	RCU-4		Remote control unit for APS-4C, SC-40C and GF-PRO
THE RESIDENCE OF THE PARTY OF T	SC-40C-208-240V		Satellite contactor for modular snow and ice melting control system 208-240V, 50A c/w built-in adjustable 30 mA GFEP
The second secon	SC-40C-600V		Satellite contactor for modular snow melt with GFEP 50A @ 600V 3-phase
The second secon	SNOW-OWL		Aerial mounted snow sensor 24V



Product #	Price	Description
CIT-1		Aerial snow sensor
GIT-1		Gutter and downspout de-icing sensor to detect humidity and temperature compatible with GF-PRO and PD-PRO controllers
HSC-24		Ground sensor to detect humidity and temperature (requires 23832-HOUSING)
SIT-6E		Ground sensor to detect humidity and temperature for APS control panel (requires 23832-HOUSING)
23832-HOUSING		Ground sensor housing for HSC-24 and SIT-6E
25076-THERMISTOR		High temperature sensor 100k Ohms c/w 20' (6 m) cable (No disc.)



	Product #	Price	Description
	A19QSC-1C		Freeze protection NEMA 4X ambient or line sensing thermostat temperature control 120-277V, 22A, SPST c/w with 10' (3 m) capillary Fixed set point at 4 °C (40 °F)
MATTER	A19QSC-2C		NEMA 4X electro-mechanical thermostat with 10' (3 m) capillary 22 Amp., 120/240V
	A19QSC-4C		NEMA 4X electro-mechanical thermostat with 20' (6 m) capillary 22 Amp., 120/240V
	A421ABC-02C		NEMA 1 electronic thermostat in thermoplastic 1P20 housing with 6' (1.8 m) capillary 10 Amp., 120/240V
	A421ABC-06C		NEMA 1 electronic thermostat with 19.5' (6 m) capillary 10 Amp., 120/240V
	A421AEC-02C		NEMA 4X electronic thermostat with 6' (2 m) capillary 10 Amp., 120/240V
	A99BB-600C		Silicone PTC tempareture sensor c/w 19.7' (6 m) PVC cable -40 °C to 105 °C for A421 series thermostat
	A99BC-1500C		Silicone PTC tempareture sensor c/w 49' (15 m) PVC cable -40 °C to 105 °C for A421 series thermostat



	Product #	Price	Description
000	ELTC-14-RTD		Digital temperature control 20A at 90-260V, including 3-wire RTD (Pt-100) sensing element is 5 x 50 mm with 5 m of fluoropolymer lead wires, range 0 °C to 250 °C (32 °F to 482 °F) Suitable for used with GFEP panels

Controls Heat Tracing



	Product #	Price	Description
TRACON 1971.100	FPT-130		NEMA 4X IP66 mechanical single point line sensing heat trace controller 100-277V, 30A c/w built-in 30 mA GFEP and 20' (6 m) lead, 100k Ohms at 25 °C (77 °F) thermistor Range -40 °C to 110 °C (-40 °F to 230 °F)
TRACON OFF 130	GPT-130		NEMA 4X IP66 electronic single point line sensing heat trace controller 100-277V, 30A c/w built-in 30 mA GFEP and 20' (6 m) lead, 100k Ohms at 25 °C (77 °F) thermistor Range -40 °C to 110 °C (-40 °F to 230 °F)
ESTRACON 197.23	GPT-230		NEMA 4X IP66 electronic dual point line sensing heat trace controller 100-277V, 2X 30A c/w built-in 30 mA GFEP and 2X 20' (6 m) lead, 100k Ohms at 25 °C (77 °F) thermistor Range -40 °F to 110 °C (-40 °C to 230 °F)

Product #	Price	Description	
E100-13545		Nema 4X epoxy painted die cast aluminum line sensing thermostat 120-480V, 22A, SPDT c/w 10' (3 m) stainless steel capillary Range -3.8 °C to 162.7 °C (25 °F to 325 °F)	
B100-13546		Nema 4X epoxy painted die cast aluminum ambient sensing thermostat 120-480V, 22A, SPDT c/w stainless steel stem sensor Range -40 °C to 71 °C (-40 °F to 160 °F)	
E121-13273		Explosion-proof NEMA 4X 7, 9 and IP66 epoxy painted die cast aluminum line sensing thermostat temperature control 120-480V 22A, SPDT c/w 10' (3 m) stainless steel capillary Range -3.8 °C to 162.7 °C (25 °F to 325 °F) Approvals UL Class I, Division 1 & 2 Grps. B, C & D Class II, Division 1 & 2 Grps. #, F & G Class III, Division 1 & 2 Class III, Division 1 & 2	
B121-13272		Explosion -proof NEMA 4X 7, 9 and IP66 epoxy painted die cast aluminum ambient sensing thermostat temperature control 120-480V, 22A, SPDT c/w stainless steel stem Range -9 °C to -60 °C (15 °F to 140 °F) Approvals UL CSA / FM Class I, Division 1 & 2 Grps. B, C & D Class II, Division 1 & 2 Grps. B, C & D Class II, Division 1 & 2 Grps. E, F & G Class III, Div. 1 & 2	
ECA-E55-R25HT		SPDT, NEMA 4X thermostat in molded aluminum housing, 22A at 120/250/480V, with 10' (3 m) stainless steel bulb and capillary Requires a ground fault circuit interrupter (GFCI) in the electrical panel	





TraceMate™

Advanced NEMA 4X steel, powder coat painted electronic controller. Designed for indoor or outdoor use in non-hazardous and hazardous areas c/w built-in GFEP.

CSA C US Class I, Division 2, Groups A, B, C, D Class I, Zone II, Groups IIC

Temperature range -50 °C to 500 °C (-58 °F to 932 °F) Operating range -40 °C to 50 °C (-40 °F to 122 °F) LCD Display operating range -20 °C to 50 °C (-4 °F to 122 °F)

Product #	Price	Description
TM-1SIH1-E5-RTD-A1		TraceMate™ I GFCI electronic thermostat for single circuit at 120V, 30A
TM-1DIH2-E5-RTD-A1		TraceMate™ I GFCI electronic thermostat for single circuit at 240/208V, 30A
TM-2SIH1-E5-RTD		TraceMate™ II GFCI electronic thermostat for dual circuit at 120V, 2 x 30A
TM-2DIH2-E5-RTD-208-240		TraceMate™ II GFCI electronic thermostat for dual circuit at 240/208V, 2 x 30A



MasterTrace¹

Advanced NEMA 4X steel, powder coat painted electronic controller. Designed for use in non-hazardous and hazardous areas

c/w built-in GFEP, RS485 type with Modbus © RTU protocol, comes with a 9 tactile keys, polyester faceplate and LCD display.

CSA C US Class I, Division 2, Groups A, B, C, D Class I, Zone II, Groups IIC Class II, Division 2, Groups F & G Class III

Temperature range -50 °C to 500 °C (-58 °F to 932 °F) Operating range -40 °C to 50 °C (-40 °F to 122 °F)

Product #	Price	Description
MS-2101		MasterTrace single circuit electronic GFCI controller with double pole, 85V to 300V, 30A, with user interface
MS-2101-E3		MasterTrace single circuit electronic GFCI controller with double pole, 85V to 300V, 30A, with user interface, stainless steel housing
MS-2102		MasterTrace double circuit electronic GFCI controller with single pole, 120V or 277V, 2 x 30A, with user interface
MS-2102-E3		MasterTrace double circuit electronic GFCI controller with single pole, 120V or 277V, 2 \times 30A, with user interface, stainless steel housing
RTD-7		RTD probe for MasterTrace controller

¹ Multi-circuit custom MasterTrace control panels are available upon request.

Controls

Control Panels





Control panels for snow melting / roof de-icing / pipe tracing

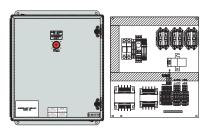
GFEP control panel with contactors

Product #	Price	Description	H x W x D (in.)
BRI-GFI-7	5	120/600V 75A	16x12x6
BRI-GFI-10	00	120/600V 100A	16x12x6

Control panels for self-regulating heating cable

GFEP control panel with contactors and 240-120V control transformer

Product #	Price	Description	H x W x D (in.)
SR-4CIR-240		4 circuits 240V 30A	20x16x8
SR-6CIR-240		6 circuits 240V 30A	20x16x8
SR-8CIR-240		8 circuits 240V 30A	24x20x8
SR-12CIR-240		12 circuits 240V 30A	24x24x8

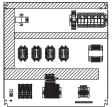


Control panels for concrete heating cable

GFCI control panel with contactors and 24V control transformer

Product #	Price	Description	H x W x D (in.)
WC-2CIR-208		2 circuits 208V 30A	16x14x8
WC-4CIR-208		4 circuits 208V 30A	20x16x8
WC-6CIR-208		6 circuits 208V 30A	20x16x8
WC-8CIR-208		8 circuits 208V 30A	24x24x8
WC-10CIR-208		10 circuits 208V 30A	24x24x8
WC-12CIR-208		12 circuits 208V 30A	24x24x8
WC-2CIR-240		2 circuits 240V 30A	16x14x8
WC-4CIR-240		4 circuits 240V 30A	20x16x8
WC-6CIR-240		6 circuits 240V 30A	24x20x8
WC-8CIR-240		8 circuits 240V 30A	24x20x8
WC-10CIR-240		10 circuits 240V 30A	24x24x8
WC-12CIR-240		12 circuits 240V 30A	24x24x8
WC-3CIR-347-347		3 circuits 347V 30A	16x14x8
WC-6CIR-347-347		6 circuits 347V 30A	20x16x8
WC-9CIR-600-347		9 circuits 600V 30A	30x24x8
WC-12CIR-600-347		12 circuits 600V 30A	30x24x8





Control panels for snow melting heating cable

GFCI control panel with contactors built-in ETO2 and 120+24V control transformers

Product #	Price	Description	H x W x D (in.)
WS-4CIR-208		4 circuits 208V 30A	20x16x8
WS-6CIR-208		6 circuits 208V 30A	24x20x8
WS-8CIR-208		8 circuits 208V 30A	24x24x8
WS-12CIR-208		12 circuits 208V 30A	30x24x8
WS-4CIR-240		4 circuits 240V 30A	20x16x8
WS-6CIR-240		6 circuits 240V 30A	24x20x8
WS-8CIR-240		8 circuits 240V 30A	24x24x8
WS-12CIR-240		12 circuits 240V 30A	30x24x8
WS-3CIR-600-600		3 circuits 600V 30A	24x24x8
WS-6CIR-600-600		6 circuits 600V 30A	30x24x8
WS-9CIR-600-600		9 circuits 600V 30A	30x24x8
WS-12CIR-600-600		12 circuits 600V 30A	30x30x8
WS-15CIR-600-600		15 circuits 600V 30A	36x30x10

WARRANTY

OUR GUARANTEE

All products sold in Canada by Britech Corp. carry the original manufacturers warranties and are guaranteed against all defects for a minimum of one year following the date of purchase or as extended warranties specified below or in writing. Full product warranties can be obtained from the manufacturer online and/or by request. Britech will administer and promptly process all warranties in accordance with the manufacturer's specific warranty policies and procedures. Britech will provide technical assistance to assist the end user or installer in the best method of operation, application and installation.

Britech's policy is to exchange any non-performing product with a similar product or product of equal value during its warranty period as outlined. The company's responsibility is limited to the replacement of defective parts. This warranty shall be limited to the actual equipment involved and does not cover installation or removal costs, travel time, or freight-related expenses. Defects must be reported to Britech to obtain an authorization of repair or replacement. Repairs may be performed at the factory or any authorized repair location. This warranty does not apply to damages, failure, or the results of an accident, alteration, misuse, abuse, incorrect installation, or operation from an incorrect power source.

Note: Custom TXLP1 heating cables carry a (20) twenty year warranty which is provided by Nexans (refer to Nexans full product warranty).

For more information regarding warranty terms or for assistance with your heating cable product contact Britech at 1-877-335-7790



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Designed and printed in Canada. Edition 11-2023