

FLEXIBLE HEATING TAPES & CORDS



BriskHeat®

XtremeFLEX® HEATING TAPES/CORDS

Introduction to XtremeFLEX® Heating Tapes and Cords

The flexible designs and high temperature capabilities of XtremeFLEX® Heating Tapes and Cords provide an ideal solution. Heating tapes and cords can be used on any surface requiring fast and efficient direct contact heating, up to temperatures of 1400°F (760°C).



**Temperatures
Up to 1400°F (760°C)**

► High Temperatures and Watt Densities

- Rapid thermal response
- Temperatures up to 1400°F (760°C)
- Watt densities up to 13 W/in² (2.0 W/cm²)

► Extremely Flexible and Versatile

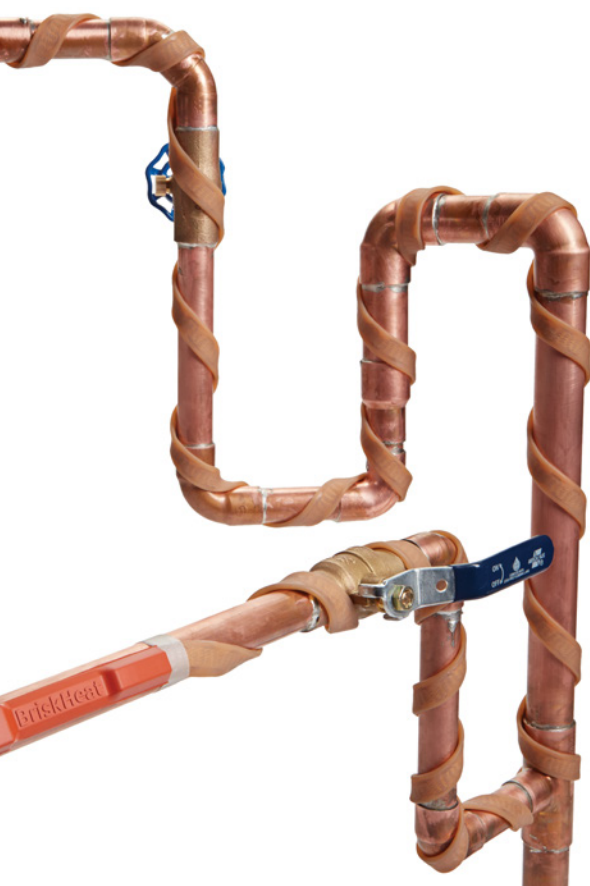
► Plug-and-Play Options

► Rugged and Durable

- Multi-stranded resistance wire
- Moisture and chemical resistance with silicone rubber sheath

► Wide Range of Applications

- Viscosity and temperature control
- Freeze protection
- Integrally heated tools
- Gas tubing
- Valves
- Laboratory apparatus
- Plastic bending
- External heating of dies and tools
- Temporary heat
- Hopper throat heater



XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Heating Tapes and Cords Selection Guide
Silicone Rubber Heating Tapes

Type	Series	Page	Maximum Exposure Temperature	Maximum Power Density watts/in ² (watts/cm ²)	Minimum Bend Radius in (mm)	Ingress Protection Rating	Built-in Control	Grounded	Suitable for Electrical Conductive Surfaces
Silicone Rubber Heating Tapes	BS0 BS0-G	2-4	450°F (232°C)	4.3 (0.7)	0.25 (6)	IP66		✓ Select models	✓
Long-Length Silicone Rubber Heating Tapes	RKF RKH	2-6	450°F (232°C)	4.3 (0.7)	0.25 (6)	IP66			✓
Silicone Rubber Heating Tapes with Preset Thermostat	RKP	2-7	Varies	1.0 (0.16)	0.25 (6)	IP66	✓		✓
Silicone Rubber Heating Tapes with Adjustable Thermostat Control	HSTAT MSTAT	2-8	Varies	6.0 (0.9)	0.25 (6)	IP54	✓	✓ Select models	✓
Silicone Rubber Heating Tapes with Time Percentage Dial Control	BSAT	2-10	450°F (232°C)	6.0 (0.9)	0.25 (6)	IP54	✓		✓
Cut-To-Length Silicone Rubber Heating Tapes	CTL	2-11	450°F (232°C)	Varies with length	0.25 (6)	IP54			✓

Cloth Heating Tapes

Type	Series	Page	Maximum Exposure Temperature	Maximum Power Density watts/in ² (watts/cm ²)	Minimum Bend Radius in (mm)	Ingress Protection Rating	Grounded	Suitable for Electrical Conductive Surfaces
Standard Insulated Cloth Heating Tapes	B00 BW0	2-12	932°F (500°C)	13.1 (2.0)	0.13 (3)	IP5X		
Heavy Insulated Cloth Heating Tapes	BIH BWH	2-13	932°F (500°C)	13.1 (2.0)	0.25 (6)	IP5X		✓
Grounded Heavy Insulated Cloth Heating Tapes	BIH-G	2-13	482°F (250°C)	9.6 (1.5)	0.25 (6)	IP5X	✓	✓
Dual Element Heavy Insulated Cloth Heating Tapes	BWH-D	2-13	932°F (500°C)	13.1 (2.0)	0.25 (6)	IP5X		✓
High Temperature-Grounded Heavy Insulated Cloth Heating Tapes	BIHE	2-13	1400°F (760°C)	12.7 (2.0)	0.25 (6)	IP50	✓	✓
Plastic Bending Strip Heaters	RH	2-17	900°F (482°C)	8.6 (1.3)	0.13 (3)	IP5X		

Heating Cords

Type	Series	Page	Maximum Exposure Temperature	Maximum Power Density watts/ft (watts / m)	Minimum Bend Radius in (mm)	Ingress Protection Rating	Grounded	Suitable for Electrical Conductive Surfaces
Heating Cords	HTC HWC	2-18	932°F (500°C)	60 (197)	0.13 (3)	IP5X		✓
High Temperature Grounded Heating Cords	HTCE	2-18	1400°F (760°C)	36 (120)	0.19 (5)	IP50	✓	✓

XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Silicone Rubber Heating Tapes
 (BS0 | BS0-G Series)

- ▶ Exceptional flexibility for a wide range of heating applications
- ▶ Moisture and chemical resistant — IP66 rated
- ▶ Rapid thermal response
- ▶ Wide range of sizes to choose from
- ▶ Grounded and non-grounded models
- ▶ Choice of power leads on same end or opposite ends

Specifications:

Maximum Exposure Temperature: 450°F (232°C)

Outer Sheath: Silicone rubber extruded

Inner Construction: Fiberglass knitted and braided construction

Minimum Bend Radius: 0.25 in (6 mm)

Nominal Thickness: 0.125 in (3 mm)

Power density: 4.3 W/in² (0.7 W/cm²)

Voltage: 120 or 240 VAC

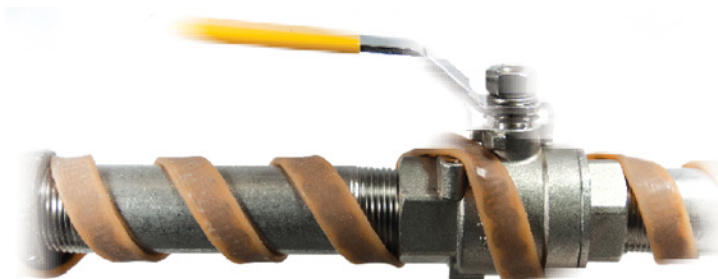
Power Leads: 2 ft (0.6 m) long with

120 VAC Non-grounded: Separable 2-prong plug

120 VAC Grounded: Bare wires

240 VAC: Crimped ferrule leads or bare wire leads. See ordering information for details

Ingress Protection Rating: IP66



**Temperatures
Up to
450 °F (232 °C)**



**Moisture and
Chemical
Resistant**



**Suitable for
Electrically
Conductive Surfaces**



XtremeFLEX® HEATING TAPES/CORDS

XtremeFLEX® Silicone Rubber Heating Tapes continued

(BS0 | BS0-G Series)

Ordering Information:

BS0 series — Non-grounded



Models with crimped ferrule or bare wire leads



Width in (mm)	Length ft (m)	Total Watts	Part No. 120VAC	Part No. 240VAC
0.5 (13)	2 (0.6)	52	BS0051020L	BS0052020L**
	4 (1.2)	104	BS0051040L	BS0052040L**
	6 (1.8)	156	BS0051060L	BS0052060L**
	8 (2.4)	209	BS0051080L	BS0052080L**
	10 (3.1)	261	BS0051100L	BS0052100L**
	12 (3.7)	313	BS0051120L	BS0052120L**
1.0 (25)	2 (0.6)	104	BS0101020L	BS0102020L**
	4 (1.2)	209	BS0101040L	BS0102040L**
	6 (1.8)	313	BS0101060L	BS0102060L**
	8 (2.4)	418	BS0101080L	BS0102080L**
	10 (3.1)	522	BS0101100L	BS0102100L**
	12 (3.7)	627	BS0101120L	BS0102120L**
	14 (4.3)	731	BS0101140L	BS0102140L**
	16 (4.9)	836	BS0101160L	BS0102160L**
	18 (5.5)	940	BS0101180L	BS0102180L**
	20 (6.1)	1075/1045	BS0101200L	BS0102200L**
2.0 (51)	2 (0.6)	209	BS0201020L	BS0202020L*
	4 (1.2)	418	BS0201040L	BS0202040L*
	6 (1.8)	627	BS0201060L	BS0202060L*
	8 (2.4)	836	BS0201080L	BS0202080L*
	10 (3.1)	1045	BS0201100L	BS0202100L*
	12 (3.7)	1254	BS0201120L	BS0202120L*
	14 (4.3)	1463	BS0201140L	BS0202140L*
	16 (4.9)	1627	BS0201160L	BS0202160L*
	18 (5.5)	1881	BS0201180L*	BS0202180L*
	20 (6.1)	2090	BS0201200L*	BS0202200L*

*Bare wire, plug not included

**Crimped ferrule leads

Ordering option: For a single power lead on opposite ends, remove "L" from end of part number.



BS0 series — non-grounded



BS0-G series — Grounded



Adhesive Tape

Provides intimate contact with surface to be heated. A heating tape essential!

Part Number	Material	Width in (mm)	Length Yards (m)	Temperature Limit
PSAT36A	Fiberglass	0.5 (13)	36 (32.9)	350°F (176°C)
AAT260	Aluminum	2.0 (51)	60 (54.8)	350°F (176°C)
AAT2180	Aluminum	2.0 (51)	60 (54.8)	550°F (288°C)

BS0-G series — Grounded



Approval valid only when used in dry, indoor environments



Width in (mm)	Length ft (m)	Total Watts	Part No. 120VAC	Part No. 240VAC
1.0 (25)	2 (0.6)	104	BS0101020LG	BS0102020LG
	4 (1.2)	209	BS0101040LG	BS0102040LG
	6 (1.8)	313	BS0101060LG	BS0102060LG
	8 (2.4)	418	BS0101080LG	BS0102080LG
	10 (3.1)	522	BS0101100LG	BS0102100LG



IMPORTANT: Temperature controller is required for these products. See options starting at [page 8-1](#).

Custom Sizes and Designs Available: Contact your local distributor or BriskHeat® for more information.

XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Long-Length Silicone Rubber Heating Tapes
(RKF | RKH Series)

- ▶ Exceptional flexibility and durability
- ▶ Standard lengths up to 200 ft (61 m)
- ▶ Moisture and chemical resistant — IP66 rated
- ▶ Suitable for electrically conductive surfaces

Specifications:
Maximum Exposure Temperature: 450°F (232°C)

Minimum Bend Radius: 0.25 in (6 mm)

Power Density:

 RKF series — 1.0 W/in² (0.2 W/cm²)

 RKH series — 2.0 W/in² (0.4 W/cm²)

 Customs — up to 4.3 W/in² (0.7 W/cm²)

Voltage: 120 VAC or 240 VAC

Power Cord: Standard 5 ft (1.5 m) power cord with

120 VAC: 2-prong plug (NEMA 1-15P)

240 VAC: Crimped ferrule leads

Ingress Protection Rating: IP66

 Models with crimped ferrule leads

Ordering Information:

Product Series & Watt Density	Width in (mm)	Length ft (m)	Watts	Part No. 120VAC	Part No. 240VAC
RKF series 1.0 W/in ² (0.2 W/cm ²)	0.5 (13)	10 (3.0)	60	RKF051200120	RKF052400120
		20 (6.1)	120	RKF051200240	RKF052400240
		40 (12.2)	240	RKF051200480	RKF052400480
		60 (18.3)	360	RKF051200720	RKF052400720
		80 (24.4)	480	RKF051200960	RKF052400960
		100 (30.5)	600	RKF051201200	RKF052401200
		150 (45.7)	900	RKF051201800	RKF052401800
RKH series 2.0 W/in ² (0.4 W/cm ²)	0.5 (13)	200 (70.0)	1200	RKF051202400	RKF052402400
		10 (3.0)	120	RKH051200120	RKH052400120
		20 (6.1)	240	RKH051200240	RKH052400240
		40 (12.2)	480	RKH051200480	RKH052400480
		60 (18.3)	720	RKH051200720	RKH052400720
		80 (24.4)	960	RKH051200960	RKH052400960
		100 (30.5)	1200	RKH051201200	RKH052401200
	0.5 (13)	150 (45.7)	1800	N/A	RKH052401800
		200 (70.0)	2400	N/A	RKH052402400

Part Number Matrix for Other Configurations

	RKF	05	240	0240	-	1.0	060
Product Series							
Width: (inches)							
Voltage: (up to 240V)							
Length: (up to 2400 in)							
Watt Density: (up to 4.3 W/in ²)							
Lead Length: (inches)							

Accessories:

Adhesive Tape - Used for installation.

Part No.	Material	Width in (mm)	Length yd (m)	Temperature Limit
PSAT36A	Fiberglass	0.5 (13)	36 (33)	350°F (177°C)
AAT260	Aluminum	2.0 (51)	60 (55)	350°F (177°C)
AAT2180	Aluminum	2.0 (51)	60 (55)	550°F (288°C)

IMPORTANT: Temperature controller is required for this product. See options starting at 8-1.

Custom Sizes and Designs Available: Contact your local distributor or BriskHeat® for more information.

XtremeFLEX® HEATING TAPES/CORDS

XtremeFLEX® Silicone Rubber Heating Tapes with Preset Thermostat

(RKP Series)

- ▶ Extremely flexible heating tape with pre-set thermostat: 70°F or 120°F (21°C or 49°C)
- ▶ Ideal for freeze protection and process control heating applications
- ▶ Moisture and chemical resistant — IP66 rated
- ▶ Lengths up to 200 ft (61 m)

Specifications:

Built-in Controlling Thermostat: 70°F or 120°F (21°C or 49°C)

Maximum Exposure Temperature: 450°F (232°C)

Outer Sheath: Silicone rubber extruded

Inner Construction: Fiberglass knitted and braided construction

Minimum Bend Radius: 0.25 in (6 mm)

Nominal Thickness: 0.125 in (3 mm)

Power Density: 1.0 W / in² (0.2 W/cm²)

Power Cord: 5 ft (1.5 m) long with
120 VAC: standard 2-prong plug (NEMA 1-15)
240 VAC: crimped ferrule leads

Ingress Protection Rating: IP66

CE Models with crimped ferrule leads

RoHS



NEW!

**PLUG
and
PLAY**



**Moisture and
Chemical
Resistant**



Ordering Information:

Width in (mm)	Length ft (m)	Watts	Thermostat Setting 70°F (21°C)		Thermostat Setting 120°F (49°C)	
			Part No. 120 VAC	Part No. 240 VAC	Part No. 120 VAC	Part No. 240 VAC
0.5 (13)	6 (1.8)	50	RKP1A0072	RKP2A0072	RKP1B0072	RKP2B0072
	8 (2.4)	55	RKP1A0096	RKP2A0096	RKP1B0096	RKP2B0096
	10 (3.0)	60	RKP1A0120	RKP2A0120	RKP1B0120	RKP2B0120
0.5 (13)	20 (6.1)	120	RKP1A0240	RKP2A0240	RKP1B0240	RKP2B0240
	40 (12.2)	240	RKP1A0480	RKP2A0480	RKP1B0480	RKP2B0480
	50 (15.2)	300	RKP1A0600	RKP2A0600	RKP1B0600	RKP2B0600
	60 (18.3)	360	RKP1A0720	RKP2A0720	RKP1B0720	RKP2B0720
	75 (22.9)	450	RKP1A0900	RKP2A0900	RKP1B0900	RKP2B0900
0.5 (13)	80 (24.4)	480	RKP1A0960	RKP2A0960	RKP1B0960	RKP2B0960
	100 (30.5)	600	RKP1A1200	RKP2A1200	RKP1B1200	RKP2B1200
	125 (38.1)	750	RKP1A1500	RKP2A1500	RKP1B1500	RKP2B1500
	150 (45.7)	900	N/A	RKP2A1800	N/A	RKP2B1800
	200 (61.0)	1200	N/A	RKP2A2400	N/A	RKP2B2400

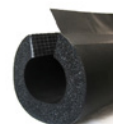
Accessories:



Fiberglass Adhesive Tape
Part No. PSAT36A
Size: 0.5 in x 36 yd (13 mm x 38 m)
Maximum Exposure Temperature:
350°F (176°C)



GFCI adapter
Part No. GFCI01
Converts a standard outlet into
a GFCI protected outlet. For
120 VAC use, max 15 A.



**INSUL-LOCK® DS
Foam Insulation**
Premium insulation with adhesive
flap. For pipe diameters 0.5 in - 4 in
(13 mm - 102 mm). Size: See catalog
ordering information.

Custom Sizes and Designs Available: Contact your local distributor or BriskHeat® for more information.

XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Silicone Rubber Heating Tapes with Adjustable Thermostat Control

(HSTAT | MSTAT | HSTAT-G Series)

- ▶ **Extremely flexible** — Heats a wide range of objects quickly
- ▶ **Adjustable thermostat control** — Choice of two temperature ranges: Up to 160°F and 425°F (71°C and 218°C)
- ▶ **Moisture and chemical resistant** —IP 54 rated
- ▶ **Grounded and non-grounded models**

Benefits:

- Can wrap around and heat a wide range of objects — valves, pipes, bearings, pumps, gas tubing, filter housings, actuators, and more
- Solves a wide range of applications — examples include viscosity control, freeze protection, emergency de-icing, temperature maintenance, supplemental heat, and melting of solids
- Easy-to-use — simple plug-and-play design
- Rugged — provides long service life and can be used in a wide variety of environments

Specifications:
Maximum Exposure Temperature: 450°F (232°C)

Minimum Bend Radius: 0.250 in (6 mm)

Nominal Thickness: 0.125 in (3 mm)

Power Density: 6.0 W/in² (0.9 W/cm²)†

Power Cord: 6 ft (1.8 m) long with

120 VAC Non-grounded: 2-prong plug (NEMA 1-15P)

120 VAC Grounded: 3-prong plug (NEMA 5-15P)

240 VAC: Crimped ferrule leads

Ingress Protection Rating: IP54

CE Models with crimped ferrule leads

✓ RoHS



If precise temperature control is required for your application, please contact BriskHeat or your local distributor for application assistance and product solutions.

† Reduced watt density as low as 2.4 W/in² (0.4 W/cm²) for longer length heating tapes.

**PLUG
and
PLAY**

**Moisture and
Chemical Resistant**

**Suitable for Electrically
Conductive Surfaces**

Easy-to-use adjustable thermostat

XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Silicone Rubber Heating Tapes with Adjustable Thermostat Control continued

(HSTAT | MSTAT | HSTAT-G Series)

Ordering Information:
Non-grounded
HSTAT series — Temperature Range: Up to 425°F (218°C)

- Ideal for higher temperature applications. For temperatures below 160°F (71°C), see MSTAT series below

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC	Part No. 240 VAC
0.5 (13)	2 (0.6)	72	HSTAT051002	HSTAT052002
	4 (1.2)	144	HSTAT051004	HSTAT052004
	6 (1.8)	216	HSTAT051006	HSTAT052006
	8 (2.4)	288	HSTAT051008	HSTAT052008
	10 (3.1)	360	HSTAT051010	HSTAT052010
1.0 (25)	2 (0.6)	144	HSTAT101002	HSTAT102002
	4 (1.2)	288	HSTAT101004	HSTAT102004
	6 (1.8)	432	HSTAT101006	HSTAT102006
	8 (2.4)	576	HSTAT101008	HSTAT102008
	10 (3.1)	720	HSTAT101010	HSTAT102010
2.0 (51)	2 (0.6)	288	HSTAT201002	HSTAT202002
	4 (1.2)	576	HSTAT201004	HSTAT202004
	6 (1.8)	864	HSTAT201006	HSTAT202006
	8 (2.4)	1152	HSTAT201008	HSTAT202008
	10 (3.1)	1440	HSTAT201010	HSTAT202010
3.0 (76)	2 (0.6)	432	HSTAT301002	HSTAT302002
	4 (1.2)	864	HSTAT301004	HSTAT302004
	6 (1.8)	1296	HSTAT301006	HSTAT302006
	8 (2.4)	1440	HSTAT301008	HSTAT302008
	10 (3.1)	1440/1800	HSTAT301010	HSTAT302010

HSTAT-G series — Grounded

Temperature Range: Up to 425°F (218°C)

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC	Part No. 240 VAC
1.0 (25)	2 (0.6)	144	HSTAT101002G	HSTAT102002G
	4 (1.2)	288	HSTAT101004G	HSTAT102004G
	6 (1.8)	432	HSTAT101006G	HSTAT102006G
	8 (2.4)	576	HSTAT101008G	HSTAT102008G
	10 (3.1)	720	HSTAT101010G	HSTAT102010G

NEW!
MSTAT series — Temperature Range: Up to 160°F (71°C)

- Will not overheat contents or melt PVC pipe and vessels
- Enhanced precision for lower-temperature applications

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC	Part No. 240 VAC
1.0 (25)	2 (0.6)	144	MSTAT101002	MSTAT102002
	4 (1.2)	288	MSTAT101004	MSTAT102004
	6 (1.8)	432	MSTAT101006	MSTAT102006
	8 (2.4)	576	MSTAT101008	MSTAT102008
	10 (3.1)	720	MSTAT101010	MSTAT102010
	15 (4.5)	1080	MSTAT101015	MSTAT102015
	20 (6.0)	1200	MSTAT101020	MSTAT102020
	30 (9.1)	1440	MSTAT101030*	MSTAT102030*
	40 (12.2)	1440	MSTAT101040*	MSTAT102040*
	50 (15.2)	1440	MSTAT101050*	MSTAT102050*

*Reduced watt density


Adhesive Tape

Provides intimate contact with surface to be heated. A heating tape essential!

Part Number	Material	Width in (mm)	Length Yards (m)	Temperature Limit
PSAT36A	Fiberglass	0.5 (13)	36 (32.9)	350°F (176°C)
AAT260	Aluminum	2.0 (51)	60 (54.8)	350°F (176°C)
AAT2180	Aluminum	2.0 (51)	60 (54.8)	550°F (288°C)

Custom Sizes and Designs Available: Contact your local distributor or BriskHeat® for more information.

XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Silicone Rubber Heating Tapes with Time Percentage Control (BSAT Series)

- ▶ **Extremely flexible** — Heats a wide range of objects quickly
- ▶ **Time percentage control** — Easily adjust of time heater is on and off: 5 to 100%
- ▶ **Moisture and chemical resistant** — IP 54 rated
- ▶ **Ideal for a wide range of temporary heating applications and surfaces:** laboratory, valves, facilities maintenance, and more

Specifications:

Maximum Exposure Temperature: 450°F (232°C)

Minimum Bend Radius: 0.250 in (6 mm)

Nominal Thickness: 0.125 in (3 mm)

Power Density: 6.0 W/in² (0.9 W/cm²)

Power Cord: 6 ft (1.8 m) long with
120 VAC Non-grounded: 2-prong plug (NEMA 1-15P)
240 VAC: Bare wire leads

Ingress Protection Rating: IP54



Models with bare wire leads


Ordering Information:

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC	Part No. 240 VAC
0.5 (13)	2 (0.6)	72	BSAT051002	BSAT052002
	4 (1.2)	144	BSAT051004	BSAT052004
	6 (1.8)	216	BSAT051006	BSAT052006
	8 (2.4)	288	BSAT051008	BSAT052008
	10 (3.1)	360	BSAT051010	BSAT052010
1.0 (25)	2 (0.6)	144	BSAT101002	BSAT102002
	4 (1.2)	288	BSAT101004	BSAT102004
	6 (1.8)	432	BSAT101006	BSAT102006
	8 (2.4)	576	BSAT101008	BSAT102008
	10 (3.1)	720	BSAT101010	BSAT102010
2.0 (51)	2 (0.6)	288	BSAT201002	BSAT202002
	4 (1.2)	576	BSAT201004	BSAT202004
	6 (1.8)	864	BSAT201006	BSAT202006
	8 (2.4)	1152	BSAT201008	BSAT202008
	10 (3.1)	1440	BSAT201010	BSAT202010
3.0 (76)	2 (0.6)	432	BSAT301002	BSAT302002
	4 (1.2)	864	BSAT301004	BSAT302004
	6 (1.8)	1296	BSAT301006	BSAT302006
	8 (2.4)	1440	BSAT301008	BSAT302008
	10 (3.1)	1440/1800	BSAT301010	BSAT302010



Moisture and Chemical Resistant



Suitable for Electrically Conductive Surfaces

What is a Time Percentage Control?

The time percentage controller varies the proportion (length) of time the heater is in the “on” or “off” heating mode. The heating application will determine the actual percentage set-point required. The controller does not use a temperature sensor and therefore satisfactory operation requires occasional supervision under changing load conditions.


Adhesive Tape

Provides intimate contact with surface to be heated. A heating tape essential!

Part Number	Material	Width in (mm)	Length Yards (m)	Temperature Limit
PSAT36A	Fiberglass	0.5 (13)	36 (32.9)	350°F (176°C)
AAT260	Aluminum	2.0 (51)	60 (54.8)	350°F (176°C)
AAT2180	Aluminum	2.0 (51)	60 (54.8)	550°F (288°C)

Custom Sizes and Designs Available: Contact your local distributor or BriskHeat® for more information.

XtremeFLEX® HEATING TAPES/CORDS

XtremeFLEX® Cut-To-Length Silicone Rubber Heating Tapes

(CTL Series)

- ▶ Exceptional flexibility — well suited for pipeline tracing
- ▶ Can be cut-to-length at job site
- ▶ Moisture and chemical resistant — IP54 rated
- ▶ Rapid thermal response

Specifications:

Maximum Exposure Temperature: 450°F (232°C)

Outer Sheath: Silicone rubber extruded

Inner Construction: Fiberglass knitted and braided construction

Minimum Bend Radius: 0.25 in (6 mm)

Nominal Thickness: 0.125 in (3 mm)

Ingress Protection Rating: IP54



Ordering Information:

Cut-To-Length Heating Tape

Part No.	Ohms Per ft (m)	Volts	Min ft (m)	Max ft (m)	Width in (mm)
CTL-A	0.10 (0.328)	120 VAC	57 (17)	220 (67)	1 (25)
		240 VAC	114 (35)	440 (134)	
CTL-B	0.90 (2.953)	120 VAC	19 (6)	74 (23)	1 (25)
		240 VAC	38 (12)	146 (45)	
CTL-C	10.00 (32.808)	120 VAC	6 (2)	22 (7)	1 (25)
		240 VAC	12 (4)	44 (13)	

Available factory finished for immediate use, consult factory for details.

Cut-To-Length Termination Kits

Part No.	Type	Description	Usage
CTLLK	Lead Kit	- Crimp-on wire terminals - Heavy-duty joint cover 8 ft (2.4 m) 16 AWG high temperature leads covered with insulating sleeve	Connects main power supply to heating tape.
CTLEK	End Kit	- Crimp-on wire terminals - Heavy-duty joint cover	Terminates the end of the heating tape.
CTLTK	Tee Kit	- Crimp-on wire terminals - Heavy-duty joint covers 1 ft (0.3 m) 16 AWG high-temperature leads covered with insulating sleeve 1 end kit	Joins three segments of heating tape.
CTLJK	Jumper Kit	- Heavy-duty joint cover 2 ft (0.6 m) 16 AWG high-temperature leads covered with insulating sleeve	Makes a splice/jumper combining two segments of heating tape.

NOTE: Cut-to-length termination kits require RTV adhesive and adhesive tape.



What is cut-to-length heating tape?

Cut-to-length heating tape is a series heating element design; wattages and amperages vary with the tape length. Contact BriskHeat to determine the actual wattage output for your given application.

IMPORTANT: Temperature controller is required for this product. See options starting at [page 8-1](#).



Adhesive Tape

Provides intimate contact with surface to be heated. A heating tape essential!

Part No.	Material	Width in (mm)	Length Yards (m)	Temperature Limit
PSAT36A	Fiberglass	0.5 (13)	36 (32.9)	350°F (176°C)
AAT260	Aluminum	2.0 (51)	60 (54.8)	350°F (176°C)
AAT2180	Aluminum	2.0 (51)	60 (54.8)	550°F (288°C)

RTV Sealant

Silicone sealant used to seal connection kit.



Part No.	Description
RTV3.0	3 oz. (89 ml)

XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Standard Insulated Cloth Heating Tapes
(B00 | BW0 Series)

- ▶ Excellent flexibility
- ▶ Rapid thermal response
- ▶ Suitable for non-conductive electrical surfaces only (i.e. glass)
- ▶ Choice of power leads on same end or opposite ends
- ▶ Includes high-temperature tie-downs for easy installation

Specifications:
Maximum Exposure Temperature:

Single Install: Up to 932°F (500°C)

Removable/Reusable: Up to 572°F (300°C)

Construction:

B00 series: fiberglass knitted and braided

BW0 series: Samox® knitted and braided

Power Density:

 B00 series: 8.6 W/in² (1.3 W/cm²)

 BW0 series: 13.1 W/in² (2.0 W/cm²)

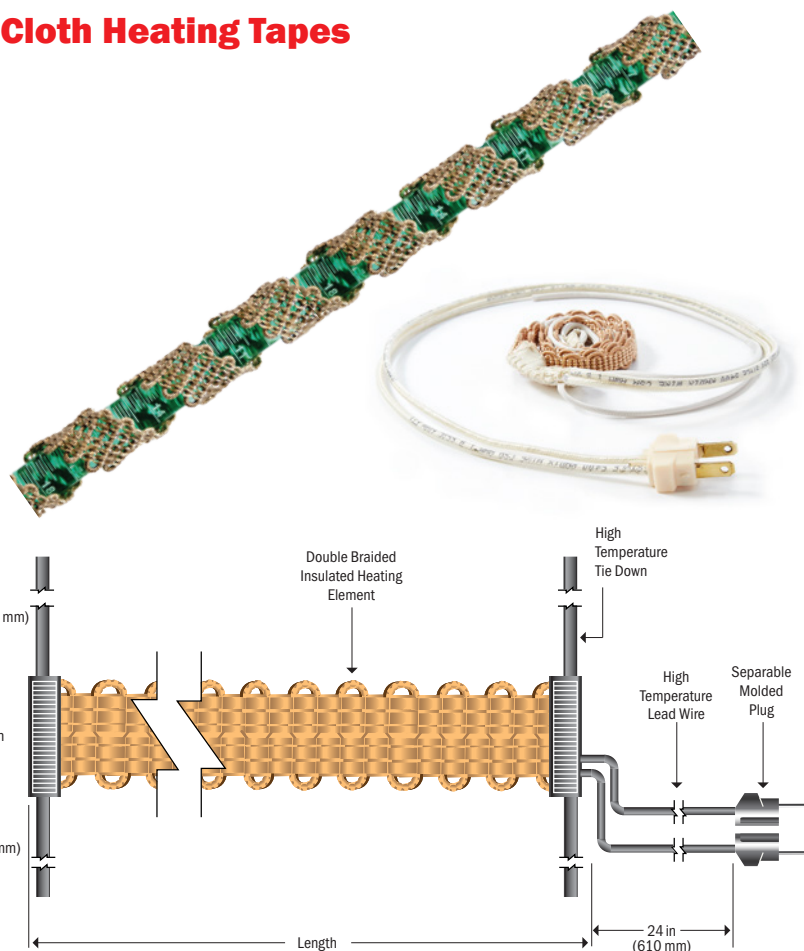
Voltage: 120 or 240 VAC

Minimum Bend Radius: 0.13 in (3 mm)

Power Leads: 2 ft (0.6 m) long with

120 VAC: Separable 2-prong plug

240 VAC: Bare wire leads

Ingress Protection Rating: IP5X

Ordering Information:
B00 Series — 8.6 W/in² (1.3 W/cm²) watt density

Power Leads on Same End

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC	Part No. 240 VAC
0.5 (13)	2 (0.6)	105/100	B00051020L	B00052020L
	4 (1.2)	210	B00051040L	B00052040L
	6 (1.8)	310	B00051060L	B00052060L
	8 (2.4)	420	B00051080L	B00052080L
	10 (3.1)	520	B00051100L	B00052100L
1.0 (25)	2 (0.6)	210	B00101020L	B00102020L
	4 (1.2)	420	B00101040L	B00102040L
	6 (1.8)	620	B00101060L	B00102060L
	8 (2.4)	830	B00101080L	B00102080L
	10 (3.1)	1045	N/A	B00102100L

BW0 Series — 13.1 W/in² (2.0 W/cm²) watt density

Power Leads on Same End

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC	Part No. 240 VAC
0.5 (13)	2 (0.6)	160	BW0051020L	BW0052020L
	4 (1.2)	310	BW0051040L	BW0052040L
	6 (1.8)	470	BW0051060L	BW0052060L
	8 (2.4)	620	BW0051080L	BW0052080L
	10 (3.1)	780	N/A	BW0052100L
1.0 (25)	12 (3.7)	940	N/A	BW0052120L
	2 (0.6)	310	BW0101020L	BW0102020L
	4 (1.2)	620	BW0101040L	BW0102040L
	6 (1.8)	940	N/A	BW0102060L
	8 (2.4)	1250	N/A	BW0102080L

Ordering option: For a single power lead on opposite ends, remove "L" in from end of part number

IMPORTANT: Temperature controller is required for this product. See options starting at page 8-1.

XtremeFLEX® HEATING TAPES/CORDS

XtremeFLEX® Heavy Insulated Cloth Heating Tapes

(BIH | BWH | BIH-G | BWH-D | BIHE Series)

- ▶ Exceptional flexibility for a wide range of applications
- ▶ Rapid thermal response
- ▶ Wide range of sizes and watt-densities to choose from
- ▶ Grounded and non-grounded models
- ▶ Includes high-temperature tie-downs for easy installation

Benefits:

- Versatile — Can wrap around and heat a wide range of objects — laboratory apparatus, glassware, pipes, weldments, etc.
- Solves a wide range of applications — examples include viscosity control, laboratory, temperature maintenance, and melting of solids
- Easy-to-use
- Suitable for high temperatures



**Suitable for
Electrically
Conductive Surfaces**



NEW!



**High-Temperature & Grounded
Flexible Heating Tape (BIHE) —
CE Approved - Page 2-16**

XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Heavy Insulated Cloth Heating Tapes

(BIH | BWH | BIH-G | BWH-D | BIHE Series)

Specifications and Selection Guide:

Series	Type	Maximum Exposure Temperature	Construction	Watt Density W/in ² (W/cm ²)	Ingress Protection Rating	Grounded	Lead Length ft (m)	Plug Type	Ordering Page
BIH	Non-grounded	Single Install: Up to 932°F (500°C) Removable/Reusable: Up to 572°F (300°C)	Fiberglass	Standard: 8.6 (1.3) Wide †: 5.1 (0.8)	IP5X		2 (0.6)	120 VAC: Separable 2-prong plug 240 VAC: Bare wire or crimped ferrule leads	2-15
BWH	Non-grounded, high-watt density	Single Install: Up to 932°F (500°C) Removable/Reusable: Up to 572°F (300°C)	Samox®	Standard: 13.1 (2.0) Wide †: 5.1 (0.8)	IP5X		2 (0.6)	120 VAC: Separable 2-prong plug 240 VAC: Bare wire or crimped ferrule leads	2-15
BIH-G	Grounded	Up to 482°F (250°C)	Fiberglass	9.6 (1.5)	IP5X		2 (0.6)	Bare wire leads	2-15
BWH-D	Dual element – increased flexibility	Single Install: Up to 932°F (500°C) Removable/Reusable: Up to 572°F (300°C)	Samox®	13.1 (2.0)	IP5X		2 (0.6)	120 VAC: 2-prong plug (NEMA1-15P) 240 VAC: Bare wire leads	2-16
BIHE	High temperature, grounded CE approved	Single Install: Up to 1400°F (760°C) Removable/Reusable: Up to 842°F (450°C)	Samox®	3.8 (0.6) 7.6 (1.2) 12.7 (2.0)	IP50		5 (1.5)	Crimped ferrule leads	2-16

† 1.75 in (44 mm) wide tape or greater



All Heavy Insulated Cloth Heating Tapes



XtremeFLEX® HEATING TAPES/CORDS

XtremeFLEX® Heavy Insulated Cloth Heating Tapes

(BIH | BWH | BIH-G | BWH-D | BIHE Series)

Ordering Information:

BIH series: Non-grounded 8.6 W/in² (1.3 W/cm²)

Single Install: Up to 932°F (500°C) Removable/Reusable: Up to 572°F (300°C) Power Leads on Same End

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC	Part No. 240 VAC
0.50 (13)	2 (0.6)	105	BIH051020L	BIH052020L**
	4 (1.2)	210	BIH051040L	BIH052040L**
	6 (1.8)	310	BIH051060L	BIH052060L**
	8 (2.4)	420	BIH051080L	BIH052080L**
	10 (3.1)	520	BIH051100L	BIH052100L**
	12 (3.7)	620	BIH051120L	BIH052120L**
1.00 (25)	1 (0.3)	105	BIH101010L	N/A
	2 (0.6)	210	BIH101020L	BIH102020L**
	4 (1.2)	420	BIH101040L	BIH102040L**
	6 (1.8)	620	BIH101060L	BIH102060L**
	8 (2.4)	830	BIH101080L	BIH102080L**
	10 (3.1)	1045	BIH101100L	BIH102100L**
1.75 (44)	2 (0.6)	209	BIH171020L	BIH172020L*
	4 (1.2)	418	BIH171040L	BIH172040L*
	6 (1.8)	627	BIH171060L	BIH172060L*
	8 (2.4)	836	BIH171080L	BIH172080L*
	10 (3.1)	1045/1040	BIH171100L	BIH172100L*
2.50 (64)	2 (0.6)	313	BIH251020L	BIH252020L*
	4 (1.2)	627	BIH251040L	BIH252040L*
	6 (1.8)	940	BIH251060L	BIH252060L*
	8 (2.4)	1254	BIH251080L	BIH252080L*
	10 (3.1)	1567	BIH251100L	BIH252100L*
3.25 (83)	2 (0.6)	418	BIH321020L	BIH322020L*
	4 (1.2)	836	BIH321040L	BIH322040L*
	6 (1.8)	1254	BIH321060L	BIH322060L*
	8 (2.4)	1672	BIH321080L*	BIH322080L*
	10 (3.1)	2090	BIH321100L*	BIH322100L*

* Bare wire, plug not included

** Ferrule crimp wire termination

Ordering option: For a single power lead on opposite ends, remove "L" from end of part number. (BIH and BWH series)

BIH-G series: Grounded

Up to 482°F (250°C)

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC	Part No. 240 VAC
1.0 (25)	2 (0.6)	230	BIH101020LG	BIH102020LG
	4 (1.2)	460	BIH101040LG	BIH102040LG
	6 (1.8)	690	BIH101060LG	BIH102060LG
	8 (2.4)	920	BIH101080LG	BIH102080LG
	10 (3.1)	1150	BIH101100LG	BIH102100LG



BIH & BWH series

BWH series: Non-grounded 13.1 W/in² (2.0 W/cm²)

Single Install: Up to 932°F (500°C) Removable/Reusable: Up to 572°F (300°C) Power Leads on Same End

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC	Part No. 240 VAC
0.50 (13)	2 (0.6)	156	BWH051020L	BWH052020L**
	4 (1.2)	313	BWH051040L	BWH052040L**
	6 (1.8)	470	BWH051060L	BWH052060L**
	8 (2.4)	627	BWH051080L	BWH052080L**
	10 (3.1)	783	N/A	BWH052100L**
	12 (3.7)	940	N/A	BWH052120L**
1.00 (25)	2 (0.6)	313	BWH101020L	BWH102020L**
	4 (1.2)	627	BWH101040L	BWH102040L**
	6 (1.8)	940	BWH101060L	BWH102060L**
	8 (2.4)	1254/1245	BWH101080L	BWH102080L**
	10 (3.1)	1570/1567	N/A	BWH102100L**
1.75 (44)	2 (0.6)	313	BWH171020L	BWH172020L*
	4 (1.2)	627	BWH171040L	BWH172040L*
	6 (1.8)	940	BWH171060L	BWH172060L*
	8 (2.4)	1254	BWH171080L	BWH172080L*
	10 (3.1)	1570	BWH171100L	BWH172100L*
2.50 (64))	2 (0.6)	470	BWH251020L	BWH252020L*
	4 (1.2)	940	BWH251040L	BWH252040L*
	6 (1.8)	1411	BWH251060L	BWH252060L*
	8 (2.4)	1881	BWH251080L*	BWH252080L*
	10 (3.1)	2351	N/A	BWH252100L*
3.25 (83)	2 (0.6)	627	BWH321020L	BWH322020L*
	4 (1.2)	1254	BWH321040L	BWH322040L*
	6 (1.8)	1881	BWH321060L*	BWH322060L*
	8 (2.4)	2508	BWH321080L*	BWH322080L*
	10 (3.1)	3135	BWH321100L*	BWH322100L*



BIH-G Series – Grounded

IMPORTANT: Temperature controller is required for these products. See options starting at [page 8-1](#).

Custom Sizes and Designs Available: Contact your local distributor or BriskHeat® for more information.

XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Heavy Insulated Cloth Heating Tapes
 (BIH | BWH | BIH-G | BWH-D | BIHE Series)

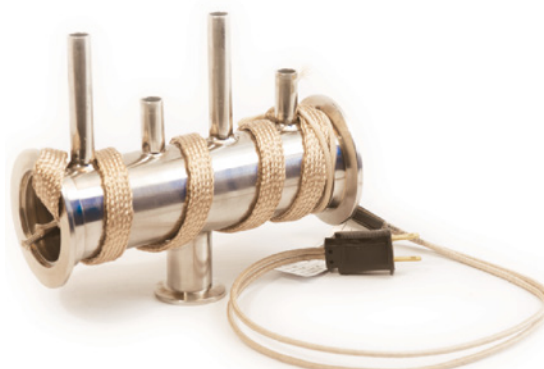
Ordering Information:
BWH-D series: Dual element — increased flexibility

 Single Install:
 Up to 932°F (500°C)

 Removable/Reusable:
 Up to 572°F (300°C)

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC	Part No. 240 VAC
0.5 (13)	2 (0.6)	156	BWH051020LD	BWH052020LD*
	4 (1.2)	312	BWH051040LD	BWH052040LD*
	6 (1.8)	468	BWH051060LD	BWH052060LD*
	8 (2.4)	624	BWH051080LD	BWH052080LD*
	10 (3.1)	780	BWH051100LD	BWH052100LD*
1.0 (25)	2 (0.6)	312	BWH101020LD	BWH102020LD*
	4 (1.2)	624	BWH101040LD	BWH102040LD*
	6 (1.8)	936	BWH101060LD	BWH102060LD*
	8 (2.4)	1248	BWH101080LD	BWH102080LD*

*Bare wire, plug not included


BWH-D Series — Dual Element

BIHE series: High Temperature, Grounded

 Single Install:
 Up to 1400°F (760°C)

 Removable/Reusable:
 Up to 842°F (450°C)

NEW!

Width in (mm)	Volts	Length ft (m)	Part No. 3.8 W/in² (0.6 W/cm²)	Part No. 7.6 W/in² (1.2 W/cm²)	Part No. 12.7 W/in² (2.0 W/cm²)
1.0 (25)	240	3.3 (1.0)	BIHE25210150L	BIHE25210300L	BIHE25210500L
		4.9 (1.5)	BIHE25215150L	BIHE25215300L	BIHE25215500L
		6.6 (2.0)	BIHE25220150L	BIHE25220300L	BIHE25220500L
		8.2 (2.5)	BIHE25225150L	BIHE25225300L	N/A
		9.8 (3.0)	BIHE25230150L	BIHE25230300L	BIHE25230500L**
		11.5 (3.5)	BIHE25235150L	BIHE25235300L**	BIHE25235500L**

**Maximum exposure temperature up to 842°F (450°C)


BIHE Series — High Temperature, Grounded

IMPORTANT: Temperature controller is required for these products. See options starting at **page 8-1**.

Custom Sizes and Designs Available: Contact your local distributor or BriskHeat® for more information.


Value bundles that include a temperature controller and heater are available for a wide variety of heating tapes and cords. See selection starting on page 8-18

XtremeFLEX® HEATING TAPES/CORDS

Plastic Bending Strip Heaters

(RH Series)

- ▶ Heating element used for plastic acrylic bending applications
- ▶ Provides radiant line of heat for controlled bending
- ▶ Multi-stranded resistance wire heating element provides exceptional flexibility and durability

Benefits:

- Quickly softens acrylic and plastic sheets for easy bending
- Ideal for plastic photo frames, sneeze guards, arts and crafts, custom workshop fabricating, and more
- Radiant heat — heater never comes in contact with plastic
- Easy-to-use — designed for production use and for hobbyists

Specifications:

Maximum Exposure Temperature: Up to 900°F (482°C)

Construction: Fiberglass knitted and braided

Power Density: 8.6 W/in² (1.3 W/cm²)

Voltage: 120 VAC

Minimum Bend Radius: 0.13 in (3 mm)

Power Leads: 2 ft (0.6 m) long with separable 2-prong plug

Ingress Protection Rating: IP5X

NOTE: Suitable for non-conductive surfaces only



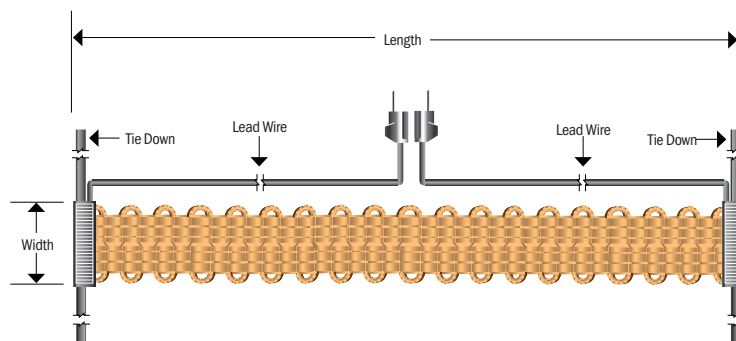
Ordering Information:

RH series — Plastic Bending Strip Heaters

Includes heating element and instructions for building a complete plastic bending set-up. Other materials are required.

Width in (mm)	Length ft (m)	Total Watts	Part No. 120 VAC
	2 (0.6)	105	RH24
0.5 (13)	3 (0.9)	157	RH36
	4 (1.2)	209	RH48

Custom Sizes and Designs Available: Contact your local distributor or BriskHeat® for more information.



Recommended Controllers

Temperature controller or close supervision is required for safe operation.



TPO series Time Percentage Controller — See [page 8-39](#) for more details



SDC series Digital Benchtop On/Off Controller — See [page 8-12](#) for more details



NEW LYNX® PID Temperature Control Set — See [page 8-10](#) for more details

XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Heating Cords

(HTC | HWC | HTCE Series)

- ▶ Designed for use on small tubes, vessels, or any application where space is limited
- ▶ Exceptional flexibility — can be wrapped around objects as small as 0.125 in (3 mm) diameter
- ▶ Rapid thermal response
- ▶ Grounded and non-grounded models
- ▶ Includes high-temperature tie-downs for easy installation

Benefits:

- Versatile — Can wrap around and heat a wide range of objects — laboratory apparatus, glassware, pipes, weldments, etc.
- Solves a wide range of applications — examples include viscosity control, laboratory, temperature maintenance, and melting of solids
- Easy-to-use
- Suitable for high temperatures



**Suitable for
Electrically
Conductive Surfaces**



HTC Series



HWC Series

NEW!


HTCE Series — High-temperature grounded, CE approved

XtremeFLEX® HEATING TAPES/CORDS
XtremeFLEX® Heating Cords continued

(HTC | HWC | HTCE Series)

Specifications:

Series	Type	Maximum Exposure Temperature	Construction	Heater Diameter in (mm)	Watt Density W/ft (W/m)	Minimum Bend Radius in (mm)	Ingress Protection Rating	Grounded	Lead Length ft (m)	Plug Type
HTC	Non-grounded	Single Install: Up to 932°F (500°C) Removable/Reusable: Up to 572°F (300°C)	Fiberglass	0.19 (4.8)	21 (68)	0.125 (3.0)	IP5X		2 (0.6)	120 VAC: Separable 2-prong plug 240 VAC: Crimped ferrule leads
HWC	Non-grounded, high-watt density	Single Install: Up to 932°F (500°C) Removable/Reusable: Up to 572°F (300°C)	Samox®	0.19 (4.8)	60 (196)	0.125 (3.0)	IP5X		2 to 6 (0.6 to 1.8)	120 VAC: Separable 2-prong plug 240 VAC: Crimped ferrule leads
HTCE	High temperature, grounded CE approved	Single Install: Up to 1400°F (760°C) Removable/Reusable: Up to 842°F (450°C)	Samox®	0.26 (6.6)	18 (60) 37 (120)	0.26 (6.6)	IP50	✓	5 (1.5)	Crimped ferrule leads



All Heating Cords

Ordering Information:
HTC Series: 21 W/ft (68 W/m)

Cord Length ft (m)	Total Watts	Lead Length ft (m)	Part No. 120 VAC	Part No. 240 VAC
0.5 (0.15)	17	2 (0.6)	HTC451007	N/A
1 (0.3)	22	2 (0.6)	HTC451006	N/A
2 (0.6)	43	2 (0.6)	HTC451005	N/A
3 (0.9)	64	2 (0.6)	HTC451001	N/A
4 (1.2)	82	2 (0.6)	HTC451008	N/A
6 (1.8)	125/135	2 (0.6)	HTC451002	HTC452002
8 (2.4)	170	2 (0.6)	HTC451009	N/A
12 (3.7)	260	2 (0.6)	HTC451003	HTC452003

HWC Series: 60 W/ft (196 W/m)

Cord Length ft (m)	Total Watts	Lead Length ft (m)	Part No. 120 VAC	Part No. 240 VAC
4 (1.2)	266	2 (0.6)	HWC1040	N/A
6 (1.8)	350	2 (0.6)	HWC1060	N/A
12 (3.7)	750/720	6 (1.8)	HWC1120	HWC2120
18 (5.5)	1000	6 (1.8)	HWC1180	HWC2180
24	1440	6 (1.8)	HWC1240	HWC2240

HTCE Series: High temperature, Grounded, CE approved
18 W/ft (60 W/m)

Cord Length ft (m)	Total Watts	Part No. 240 VAC
1.6 (0.5)	30	HTCE205060L
3.3 (1.0)	60	HTCE210060L
4.9 (1.5)	90	HTCE215060L
6.6 (2.0)	120	HTCE220060L
8.2 (2.5)	150	HTCE225060L
9.8 (3.0)	180	HTCE230060L
11.5 (3.5)	210	HTCE235060L

37 W/ft (120 W/m)

Cord Length ft (m)	Total Watts	Part No. 240 VAC
1.6 (0.5)	60	HTCE205120L
3.3 (1.0)	120	HTCE210120L
6.6 (2.0)	240	HTCE220120L
8.2 (2.5)	300	HTCE225120L
9.8 (3.0)	360	HTCE230120L
11.5 (3.5)	420	HTCE235120L

NEW!


IMPORTANT: Temperature controller is required for these products. See options starting at **page 8-1**.

Custom Sizes and Designs Available: Contact your local distributor or BriskHeat® for more information.

XtremeFLEX® HEATING TAPES/CORDS

Temperature Controllers and Accessories for Heating Tapes

Temperature Controllers:

SDX Digital PID Benchtop Temperature Controller



- Advanced PID control
- Plug & play
- More information on [page 8-11](#)

SDC/SDCE Digital On/Off Benchtop Temperature Controller



- On/off control
- Plug & play
- More information starting on [page 8-12](#)

LYNX Temperature Control Sets



- Compact PID controller
- Can be used individually or linked together as a system
- Plug & play
- More information on [page 8-9](#)

TPO Time Percentage Dial Controller



- Adjusts the proportion of time a heater is on or off
- Plug & play
- More information on [page 8-39](#)

Full selection of temperature controllers starting at [page 8-1](#).

Adhesive Tape:

Provides intimate contact with surface to be heated. A heating tape essential!

Part No.	Material	Width in (mm)	Length Yards (m)	Temperature Limit
PSAT36A	Fiberglass	0.5 (13)	36 (32.9)	350°F (176°C)
AAT260	Aluminum	2.0 (51)	60 (54.8)	350°F (176°C)
AAT2180	Aluminum	2.0 (51)	60 (54.8)	550°F (288°C)



Power Plugs:

Choose a power plug for your heater that mates with your temperature control device. Complete selection found on [page 8-40](#)

Part No.	Description	Voltage (VAC)	Amps	
10113	NEMA 5-15P 2 pin, 3 wire (grounded)	125	15	
10478	NEMA 6-15P 2 pin, 3 wire (grounded)	250	15	
20978-03M	3 position Harting HAN Q2/0	600	15	
11670-04	IEC 14 2 pin, 3 wire	125/250	10 @ 250 VAC	
41289-05	Schuko CEE 7/7 2 pin, 3 wire	250	15	
41289-02	UK Type G 2 pin, 3 wire	250	15	