

BriskHeat® SL Self-Regulating Heating Cable

Product Highlights

- ✓ Automatically adjusts heat output based on surface temperature
- ✓ No temperature controller is necessary*
- ✓ Can be safely overlapped and insulated
- ✓ Ideal for freeze protection and low temperature process maintenance

* If a specific process temperature is required, a temperature controller is necessary



Temperatures up to



150°F (66°C)

Specifications:

- Maximum exposure temperature is 150°F (66°C)
- 3, 5, 8, or 10 watts/ft
- Moisture, chemical, and flame resistant
- 16AWG bus wires
- T-Rating**
 - T6: 3 and 5 watts/ft
 - T5: 8 and 10 watts/ft

** Electrical equipment T-rating codes define the maximum surface temperature that equipment will reach. It is used in hazardous (classified) area applications.

Approvals:



Ordinary Locations
Hazardous
(Classified) Locations
Class I, Division 2,
Groups A, B, C, D
Class II, Division 2,
Groups F, G
Class III, Division 2

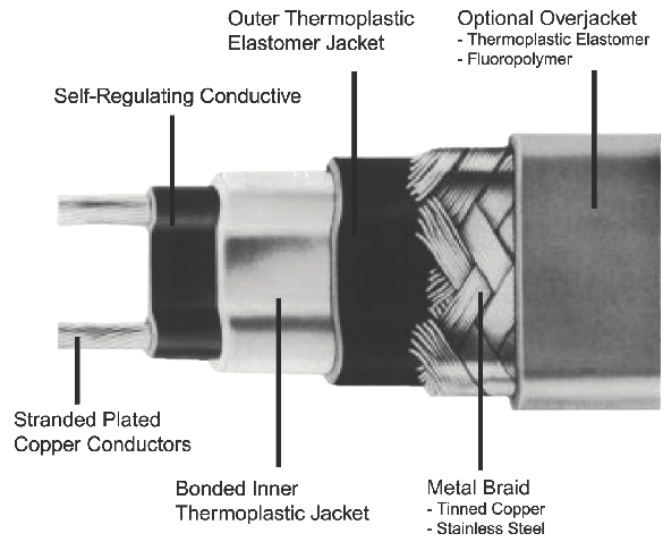


Ordinary Locations
Hazardous
(Classified) Locations
Class I, Division 2,
Groups B, C, D
Class II, Division 2,
Groups E, F, G



Ordinary Locations
Hazardous (Classified)
Locations
Class I, Division 2,
Groups B, C, D
Class II and III, Division 2,
Group G

Approvals valid only when used with appropriate heating cable and installation accessories, and installed in accordance with all applicable instructions, codes, and regulations.



Outer Layer Options

Product Type	Description	Dimensions	Shipping Weight per 500-foot (152m) spool	Purpose
SL-B	Tinned Copper Metal Braid	0.20" x 0.45" (5 x 11mm)	40 lb. (18Kg)	Ordinary applications
SL-BP	Tinned Copper Metal Braid with Thermoplastic Elastomer Overjacket	0.24" x 0.47" (6 x 12mm)	48 lb. (22Kg)	For use in weak chemical environments (i.e. weak acids)
SL-BF	Tinned Copper Metal Braid with Fluoropolymer Overjacket	0.25" x 0.49" (6 x 12mm)	48 lb. (22Kg)	For use in strong chemical environments (i.e. strong acids)
SL-SS New!!	Stainless Steel Metal Braid	0.20" x 0.45" (5 x 11mm)	40 lb. (18Kg)	More resistant to rusting and corrosion than Tinned Copper Metal braid.

BriskHeat® SL Self-Regulating Heating Cable continued

Specification / Application Information:

Maximum Circuit Length in Feet Vs. Circuit Breaker Size

Heat Cable Type	Circuit Breaker Size	Start-up Temperature		
		50°F (10°C)	0°F (-20°C)	-20°F (-40°C)
SL-3-120	15 amp	325	230	205
	20 amp	-	305	275
	30 amp	-	325	325
SL-3-240	15 amp	650	460	410
	20 amp	-	620	550
	30 amp	-	650	650
SL-5-120	15 amp	225	155	135
	20 amp	270	205	180
	30 amp	-	270	270
SL-5-240	15 amp	460	310	275
	20 amp	540	415	370
	30 amp	-	540	540
SL-8-120	15 amp	145	100	90
	20 amp	195	130	115
	30 amp	210	195	175
	40 amp	-	210	210
SL-8-240	15 amp	295	200	175
	20 amp	390	265	235
	30 amp	420	395	350
	40 amp	-	420	420
SL-10-120	15 amp	115	85	75
	20 amp	150	110	100
	30 amp	180	155	145
	40 amp	-	180	180
SL-10-240	15 amp	230	165	150
	20 amp	305	220	195
	30 amp	360	325	290
	40 amp	-	360	360

Note: Special consideration must be given for the circuit breaker due to the high initial in-rush currents.

Ordering Information:

Part Number Matrix

SL 3 120 BF

Self-Regulating Cable: _____

Watts / ft: _____
3- (3), 5- (5), 8- (8), 10- (10)

Voltage: _____
120- (120VAC), 240- (240VAC)

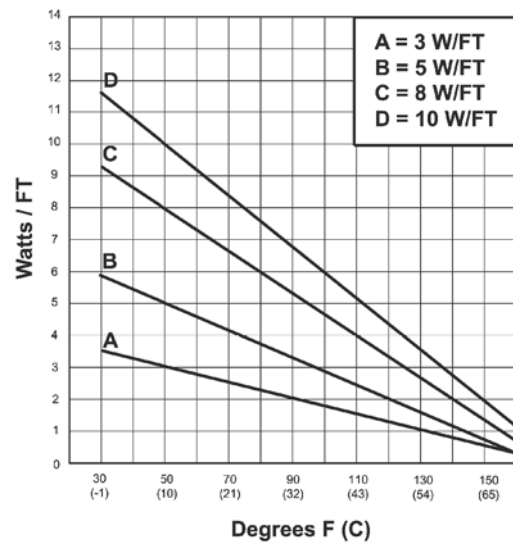
Outer Layer: _____
B- (Tinned Copper Metal Braid)
BP- (Tinned Copper Metal Braid with Thermoplastic Elastomer Overjacket)
BF- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)
SS- (Stainless Steel Metal Braid)

Standard Power Connection / Termination Kits

Part Number	Description
SLUC-1	Universal Connection Kit
SLSK-5	Splice Kit
SLET-2	End Seal Kit
SLPT-2	Power Termination Kit

See page 8-7 through 8-8 for roof and gutter power connection / termination kits, monitor light kits, and complete details on standard kits.

Heat Output (Watts per Foot)



Voltage Adjustment

Product Type	Adjustment Multiplier					
	208 VAC		220 VAC		277 VAC	
	Power	Length	Power	Length	Power	Length
SL-3-240	0.76	0.93	0.85	0.96	1.27	1.07
SL-5-240	0.79	0.93	0.87	0.96	1.24	1.07
SL-8-240	0.84	0.93	0.90	0.96	1.19	1.08
SL-10-240	0.86	0.93	0.92	0.96	1.16	1.09

Accessories

Part Number	Description
AAT260 AAT2180	Aluminum Adhesive Tape: 2" x 180' (51mm x 55m). Temp Limit: 350°F (176°C) 2" x 180' (51mm x 55m). Temp Limit: 550°F (288°C)
BCLCAB	Electrical heat trace warning label. Required by code for every 10ft (3m) of pipe.
BPSCAB2-6	Stainless steel pipe straps used to secure pipe standoff to pipe. Adjustable from 2" to 6" (51 x 152mm)
HCP1 HCP3	Heat Conductive Putty. Used to fill voids between cable and pipe surface: 1 lb. (0.5kg) 3 lb. (1.4kg)
PSAT36A	Pressure Sensitive Fiberglass Adhesive Tape. 0.5" x 108' (13mm x 38m). Temp Limit: 350°F(176°C)
RTV3.0	Silicone sealant used to seal lead pouches, end pouches, and pipe standoffs. 3 oz. (89ml)
SLJB-2	Non-Metallic Junction Box, 5" X 5" X 2", NEMA 4X. Recommended for SLUC-1 and SLRPC-1.

See page 8-16 for details and a complete list of accessories.