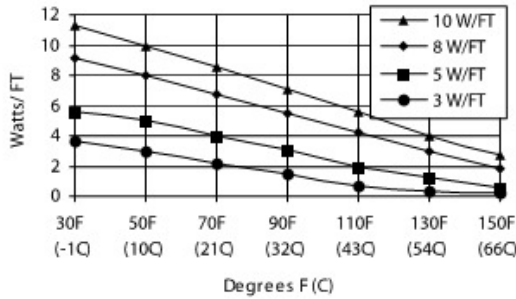


Self-Regulating Heating Cable (SL Series)

Self-Regulating Heating Cable (SL Series) provides effective heating for plastic or metal pipes. Applications range from freeze protection to low temperature process maintenance.

The heat output (watts per foot) of SL cable varies with temperature. Rated watts per foot are based on thermal output at 50 °F (10 °C). Please see the table below for the output at specific temperatures.



Watts per foot are based on a thermal output at 50 °F (10 °C).

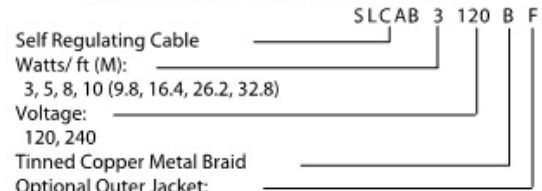
Circuit Breaker vs. Heating Cable Length Selection Guide

Heat Cable Type	Circuit Breaker Size	Circuit Length at Start-up Temperature		
		50°F (10°C)	0°F (-20°C)	-20°F (-40°C)
SL-CAB-3-120	15 amp	300	200	180
	20 amp	330	270	230
	30 amp	-	330	330
SL-CAB-3-240	15 amp	660	410	360
	20 amp	-	560	480
	30 amp	-	660	660
SL-CAB -5-120	15 amp	230	150	130
	20 amp	270	200	175
	30 amp	-	270	260
	40 amp	-	-	270
SL-CAB -5-240	15 amp	460	300	260
	20 amp	540	400	345
	30 amp	-	540	520
	40 amp	-	-	540
SL-CAB -8-120	15 amp	150	95	85
	20 amp	200	125	100
	30 amp	210	190	170
	40 amp	-	210	210
SL-CAB -8-240	15 amp	295	195	170
	20 amp	390	250	225
	30 amp	420	375	340
	40 amp	-	420	420
SL-CAB -10-120	15 amp	115	70	60
	20 amp	150	95	85
	30 amp	180	145	120
	40 amp	-	180	165
SL-CAB -10-240	15 amp	230	150	130
	20 amp	305	200	175
	30 amp	360	300	260
	40 amp	-	360	360

Due to the variable power density of Self-Regulating cable, the current required at start up is greater than the running current. The start up current for Self-Regulating cable is drawn for longer than typical inrush current. Because of this, special consideration must be given to circuit breaker selection. Please see the Circuit Breaker vs. Heating Cable Length Selection Guide for proper circuit breaker selection.



SL Cable Part Number Selection Guide



P = Thermoplastic Elastomer
 For use in weak chemical environments. (i.e. weak acids).

F = Fluoropolymer,
 For use in strong chemical environments (i.e. strong acids).

Also available with stainless steel overbraid and monitor wire. Please consult factory for price, delivery and minimum quantity.

Approvals:

-
-
- APPROVED** Requires aluminum adhesive tape :
 Ordinary Locations
 Hazardous Locations:
 Class I, Division 2, Groups B, C, & D
 Class II, Division 2, Groups F, & G
 Class III, Division 1 and 2
- T5 Rated
-

Specifications:

- Maximum exposure temperature is 150 °F (66 °C)
- Moisture and chemical resistant
- Flame resistant
- Radiation resistant
- 16AWG bus wires
- Dimensions 0.13" x 0.45" (3.30 x 11.43mm)
- 39.5 lb. (17.9 Kg) per 500-foot (152.4 M) spool

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SL Series Connection/ Termination Kits



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KITS

SLCABUC: Universal Connection Kit.
1-3/4 NPT pipe standoff
2-Ring terminals
4-Large, insulated crimp connectors
2-Small, insulated crimp connectors
2-Pipe straps (for up to 6" pipe)
2-Heat shrink end caps
1-Heat shrink tube
1-3 oz. Tube RTV sealant
1-Roll fiberglass tape
1-Caution label

SLCABSK: Splice Kit.
30-Large, insulated crimp connectors
10-Heat shrink tubes
One 3 oz. Tube RTV sealant

SLCABKC: Lead/ End Seal Kit.
10-Heat shrink end caps

USAGE

Enough to complete:

Two end terminations and one input connection, or one splice, or one input power splice.

NOTE : Requires Junction box.












Enough to complete:

Ten inline splices, or Ten tee splices.

Enough to complete:

Ten end terminations.

Accessories for Heating Cable

ACCESSORY	DESCRIPTION	PART NUMBER	
 Fiberglass Adhesive Tape	Pressure sensitive fiberglass adhesive tape. Used to secure heating cable to pipe.	PSAT36 (0.5in x 36yd.), (12.7mm x 32.9M)	Temp Limit 350 °F (176 °C)
 Aluminum Adhesive Tape	Helps to isolate the cable from the insulation and provides intimate contact with pipes, tanks, and plates.	AAT260 (2" x 180'), (50.8mm x 54.9M) AAT2180 (2" x 180'), (50.8mm x 54.9M)	Temp Limit 350 °F (176 °C) 550 °F (288 °C)
 Pipe Straps	Stainless steel pipe straps used to secure pipe standoff to pipe.	BPSCAB1-2.3 BPSCAB2.3-12	Max Pipe OD 2.3" (58.4mm) 12" (304.8mm)
 Caution Labels	Electrical heat trace warning label. Required by code for every 10 feet of pipe.	BCLCAB	
 Heat Conductive Putty	Used to fill voids between cable and pipe surface.	HCP 1 (1 lb.)(0.45kg) HCP 3 (3 lb.)(1.36kg)	
 Junction Box	Single or dual hub with cover. 1" NPT thread.	JBACAB 001 (Single Hub) JBACAB 002 (Double Hub)	
 Pipe Standoff	One cast aluminum fitting with 1" NPT thread.	PSOCAB010	
 RTV	Silicone sealant (3 oz.) used to seal lead pouches, end pouches, and pipe standoffs.	RTV3.0	
 Monitor Light Kit	Provides a continuity check at the termination end of a cable circuit.	MLK1 001 (120V Single Hub) MLK2 001 (240V Single Hub) MLK1 002 (120V Double Hub) MLK2 002 (240V Double Hub)	
 Monitor Light Bulbs	Replacement bulbs for the monitor light kits.	MLBCAB 001 (120V Bulb) MLBCAB 002 (240V Bulb)	
 Reducer	Adapts .75" NPT male to 1" NPT female.	BPRCAB 010	

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