

SLCAB Self-Regulating Heating Cable

Product Highlights

- ✓ Ideal for freeze protection and low temperature process maintenance up to 150°F (66°C)
- ✓ Automatically adjusts heat output based on surface temperature
- ✓ Safe to overlap and insulate
- ✓ Can be cut-to-length and terminated in the field
- ✓ No temperature controller is required*

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

Specifications:

- Continuous maintenance temperature: 150°F (66°C) maximum
- Intermittent exposure temperature: 185°F (85°C) maximum; -20°F (-29°C) minimum
- 3, 5, 8, or 10 watts/ft (10, 16, 26, or 33 watts/m)
- Supply voltages: 110 - 120VAC or 208 - 277VAC
- Moisture, chemical, and flame resistant
- 16AWG bus wires
- Braid resistance:
 - Tinned copper: 0.003 ohms/ft (0.009 ohms/m)
 - Stainless steel: 0.125 ohms/ft (0.410 ohms/m)
- T-Rating**
 - T6: 3, 5, and 8 watts/ft (10, 16, and 26 watts/m)
 - T5: 10 watts/ft (33 watts/m)

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

Approvals:



APPROVED

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



Ordinary Locations 2E*, 3(A,B,C), 5(A,B)
Hazardous (Classified) Locations
Class I, Division 2, Groups B, C, D
Class II, Division 2, Groups E, F, G
Class III, Division 2

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

*2E approved for 3 watts/ft and 5 watts/ft only

Outer Layer Options

Product Type	Description	Nominal Dimensions	Shipping Weight: Per 500-ft (152m) spool	Purpose
SLCAB-B	Tinned Copper Metal Braid	0.2" x 0.4" (6mm x 11mm)	40 lb. (18 kg)	Ordinary applications
SLCAB-BP	Tinned Copper Metal Braid with Thermoplastic Elastomer Overjacket	0.3" x 0.6" (7mm x 15mm)	48 lb. (22 kg)	For use in wet or weak chemical environments (i.e. weak acids)
SLCAB-BF	Tinned Copper Metal Braid with Fluoropolymer Overjacket	0.3" x 0.6" (7mm x 15mm)	48 lb. (22 kg)	For use in strong chemical environments (i.e. strong acids)
SLCAB-SS	Stainless Steel Metal Braid	0.2" x 0.4" (6mm x 11mm)	40 lb. (18 kg)	More resistant to rusting and corrosion than Tinned Copper Metal braid.



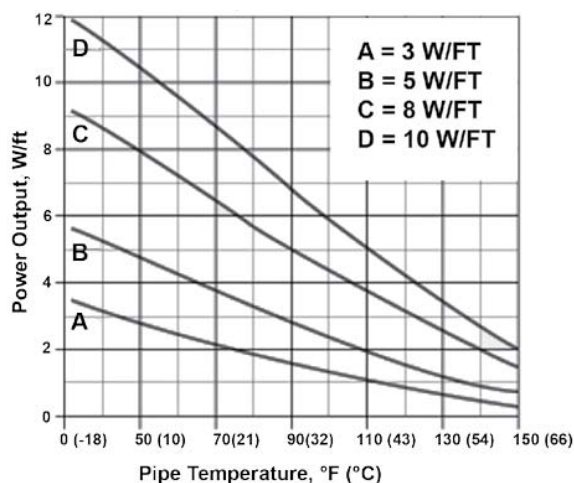
SLCAB Self-Regulating Heating Cable *continued*

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 (-18°C)	-20°F (-29°C)
SLCAB3120	15 amp	300	200	180
	20 amp	-	270	230
	30 amp	-	330	330
SLCAB3240	15 amp	660	410	360
	20 amp	-	560	480
	30 amp	-	660	660
SLCAB5120	15 amp	230	150	130
	20 amp	270	200	175
	30 amp	-	270	260
SLCAB5240	15 amp	460	300	260
	20 amp	540	400	345
	30 amp	-	540	520
SLCAB8120	15 amp	150	95	85
	20 amp	200	125	100
	30 amp	210	190	170
	40 amp	-	210	210
SLCAB8240	15 amp	295	195	170
	20 amp	390	250	225
	30 amp	420	375	340
	40 amp	-	420	420
SLCAB10120	15 amp	115	70	60
	20 amp	150	95	85
	30 amp	180	145	120
	40 amp	-	180	165
SLCAB10240	15 amp	230	150	130
	20 amp	305	200	175
	30 amp	360	300	260
	40 amp	-	360	360

Heat Output (Watts per Foot)



Voltage Adjustment

Product Type	Power Adjustment Factor	
	208 VAC	277 VAC
SLCAB3240	0.75	1.28
SLCAB5240	0.86	1.16
SLCAB8240	0.91	1.10
SLCAB10240	0.93	1.08

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

Ordering Information:

Part Number Matrix

SLCAB 3 120 BF

Watts / ft:

3, 5, 8, 10

Voltage:

120- (110 - 120VAC), 240- (208 - 277VAC)

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)

See Pages 8 through 10 for power connection kits and accessories.



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