

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:



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

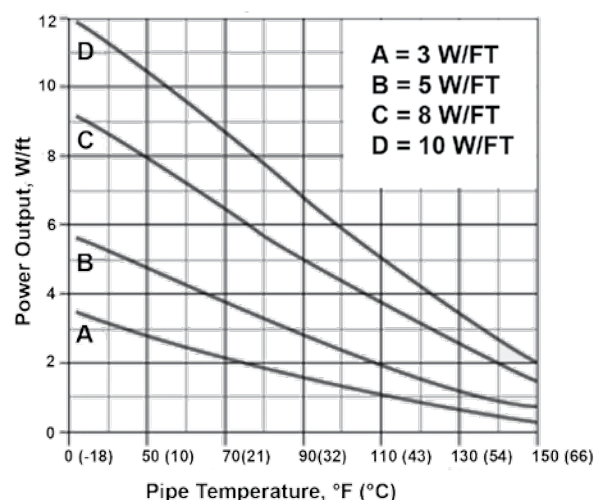
Outer Layer Options

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**

Power Adjustment Factor		
Product Type	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.

Sales • Engineering

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Specialists"**GORDO SALES, INC.**

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