

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: -20 to 185°F (-29 to 85°C)
- Output Wattages: 3, 5, 8, or 10 watts/ft (10, 16, 26, or 33 watts/m)
- Supply voltages: 110-120 VAC or 208-277 VAC
- Moisture, chemical, and flame resistant
- 16 AWG bus wires
- Braid resistance:
 - Tinned copper: 0.003 ohms/ft (0.009 ohms/m)
 - Stainless steel: 0.125 ohms/ft (0.410 ohms/m)

Approvals:



Ordinary Locations
 Hazardous (Classified) Locations
 Class I, Division 1[†] and 2, Groups B, C, D
 Class II, Division 2, Groups F, G
 Class III, Division 1[†] and 2
 3, 5, 8 W/ft T6
 10 W/ft T5



Ordinary Locations 130-03 (-G,-W,-S)
 Hazardous (Classified) Locations
 Class I, Division 1[†] and 2, Groups B, C, D
 Class II, Division 1[†] and 2, Groups E, F, G
 Class III, Division 1[†] and 2
 3, 5, 8 W/ft T6
 10 W/ft T5



Hazardous Locations
 Ex e IIC T** II 2 GD Gb
 Ex tb IIIC T***C Db
 **3, 5, 8 W/ft T5/T85°C
 **10 W/ft T4/T100°C



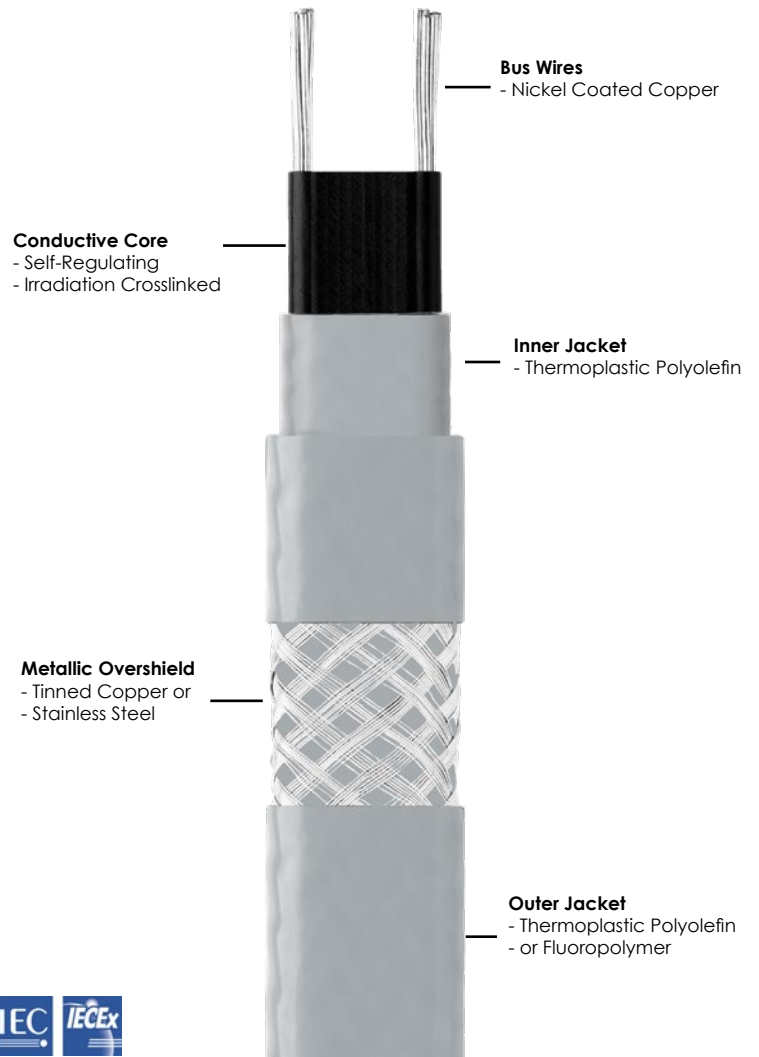
Hazardous Locations
 Ex e IIC T** II 2 Gb
 Ex tb IIIC T***C Db
 **3, 5, 8 W/ft T5/T85°C
 **10 W/ft T4/T100°C

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

[†]CI/D1 approval for BF only. Contact a BriskHeat representative for information on Division I hazardous location systems.

Outer Layer Options

Product Type	Description	Nominal Dimensions	Shipping Weight: Per 500-ft (152 m) spool	Purpose
SLCAB-B	Tinned Copper Metal Braid	0.2" x 0.4" (6 mm x 11 mm)	40 lb. (18 kg)	Dry Environments
SLCAB-BP	Tinned Copper Metal Braid with Thermoplastic Polyolefin Overjacket	0.3" x 0.6" (7 mm x 15 mm)	48 lb. (22 kg)	Wet or Weak Chemical Environments
SLCAB-BF	Tinned Copper Metal Braid with Fluoropolymer Overjacket	0.3" x 0.6" (7 mm x 15 mm)	48 lb. (22 kg)	Wet or Harsh Chemical Environments
SLCAB-SS	Stainless Steel Metal Braid	0.2" x 0.4" (6 mm x 11 mm)	40 lb. (18 kg)	Dry Environments Where Enhanced Corrosion Resistance Is Needed



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

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

Outer Layer:

B- (Tinned Copper Metal Braid)

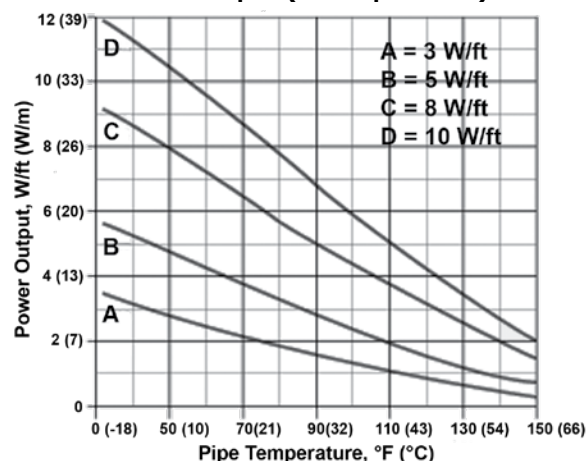
BP- (Tinned Copper Metal Braid with Thermoplastic Polyolefin Overjacket)

BF- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)

SS- (Stainless Steel Metal Braid)

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

Heat Output (Watts per Foot)



Voltage Adjustment Factor

Product Type	Watt/ft Output 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