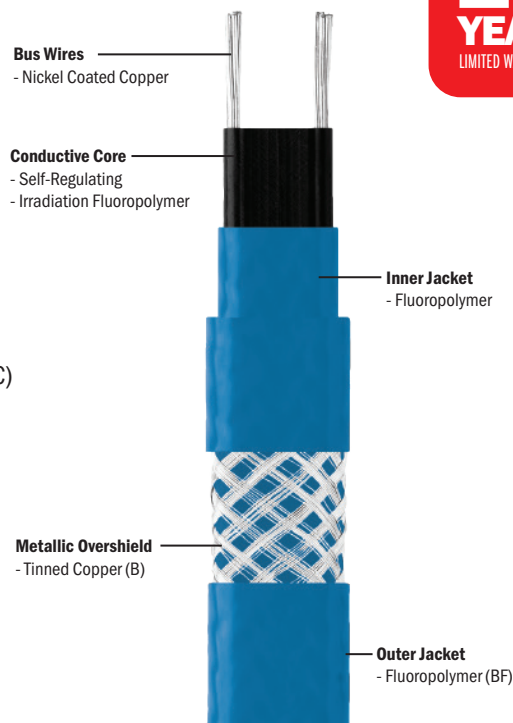


SLMCAB MID-TEMPERATURE SELF-REGULATING HEATING CABLE

Features & Benefits

- ▶ Ideal for freeze protection and mid-temperature process maintenance up to 250 °F (121 °C)
- ▶ Automatically adjusts heat output based on ambient and surface and ambient temperatures
- ▶ Safe to overlap and insulate
- ▶ Moisture, chemical, and flame resistant
- ▶ Can be cut-to-length and terminated in the field



Specifications

Maximum Continuous Maintenance Temperature: 250°F (121°C)

Intermittent Exposure Temperature Range: -40°F to 366°F (-40°C to 185°C)

Supply Voltage: 110-120 VAC or 208-277 VAC

Nominal Power Output at 50°F (10° C):

- 5, 10, 15 watts/ft (16, 33, 49 watts/m)

- For 208 and 277 VAC, adjust watts shown for the 240 VAC cable using the Voltage Adjustment Factors chart

Bus Wires: 16 AWG nickel coated copper wire

Braid Resistance: Tinned Copper 0.003 Ω/ft (0.009 Ω/m)

Bend Radius: 0.5 in (12 mm)



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 2
5, 10, 15 watts/ft T3



Ordinary Locations 3(A, B, C), 5(A, B)
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
5, 10, 15 watts/ft T3



Hazardous Locations
II 2 GD
Ex e IIC T3 Gb
Ex tb IIIC T195 °C Db



Hazardous Locations
Ex e IIC T3 Gb
Ex tb IIIC T195 °C Db



**Moisture
& Chemical
Resistant**



**Temperatures
Up to
250 °F (121 °C)**

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

*Cl/D1 approval for BF1 only. Contact a BriskHeat representative for information on Division I hazardous location systems.

Outer Jacket Options

Jacket Type	Description	Nominal Dimensions [thickness x width] in (mm)	Purpose/Use
B	Tinned Copper Metal Braid	0.15 x 0.54 (4 x 14)	Dry Environments
BF	Tinned Copper Metal Braid with Fluoropolymer Outer Jacket	0.20 x 0.58 (5 x 15)	Wet or Harsh Chemical Environments

SLMCAB MID-TEMPERATURE SELF-REGULATING HEATING CABLE

Specification/Application Information

Maximum Circuit Length ft (m)

Heat Cable Type	Circuit Breaker Size	Start-up Temperature		
		50°F (10°C)	0°F (-18°C)	-40°F (-40°C)
SLMCAB5120	15 amp	150 (46)	135 (41)	130 (40)
	20 amp	200 (61)	180 (55)	170 (52)
	30 amp	240 (73)	220 (67)	210 (64)
SLMCAB5240	15 amp	250 (76)	230 (70)	220 (67)
	20 amp	330 (100)	305 (67)	295 (90)
	30 amp	480 (146)	440 (92)	420 (128)
SLMCAB10120	15 amp	90 (27)	85 (26)	80 (24)
	20 amp	120 (36)	110 (33)	105 (32)
	30 amp	180 (55)	165 (50)	160 (49)
SLMCAB10240	15 amp	140 (43)	130 (40)	125 (38)
	20 amp	190 (58)	175 (53)	170 (52)
	30 amp	280 (85)	260 (79)	250 (76)
SLMCAB15120	15 amp	70 (21)	65 (20)	60 (18)
	20 amp	90 (27)	85 (26)	80 (24)
	30 amp	130 (40)	125 (38)	120 (36)
SLMCAB15240	15 amp	100 (30)	95 (29)	90 (27)
	20 amp	135 (41)	125 (38)	120 (36)
	30 amp	200 (61)	185 (56)	180 (55)

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

Ordering Information

Part Number Matrix

SLMCAB	5	120	BF
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Watts/ft: _____
5, 10, 15

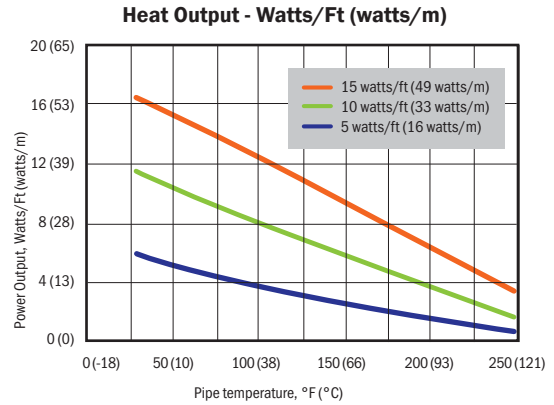
Voltage: _____
120- (110 - 120 VAC), 240- (208 - 277 VAC)

Outer Layer: _____
B- (Tinned Copper Metal Braid)
BF- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)

Class I, Division 1 Cable: _____
BF1- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)

Voltage Adjustment Factor

Product Type	Output Adjustment Factor	
	208 VAC	277 VAC
SLMCAB5240	0.78	1.25
SLMCAB10240	0.86	1.16
SLMCAB15240	0.92	1.09



Complete Your System with

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Monitor Light Kits	43
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Temperature Controls	145