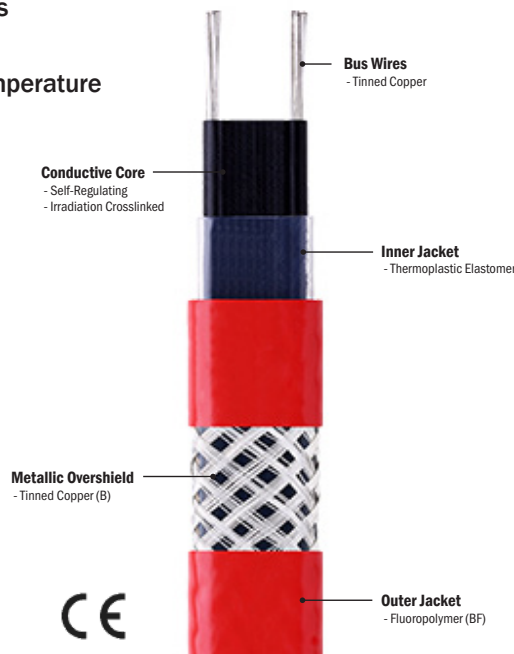


## SLHCBL HIGH-TEMPERATURE SELF-REGULATING HEATING CABLE

### Features & Benefits

- ▶ Ideal for freeze protection and high temperature process maintenance up to 248°F (120°C)
- ▶ Automatically adjusts heat output based on surface temperature
- ▶ Safe to overlap and insulate
- ▶ Can be cut-to-length and terminated in the field
- ▶ Moisture, chemical, and flame resistant



**Moisture  
& Chemical  
Resistant**



**Temperatures  
Up to  
248°F (120°C)**

### Specifications

**Maximum Continuous Maintenance Temperature:**

248°F (120°C)

**Intermittent Exposure Temperature Range:** -22°F to

392°F (-30°C to 200°C)

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

**Nominal Power Output at 50°F (10°C):**

– 5, 10, 15, 20 watts/ft (15, 30, 45, 60 watts/m)

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

**Bus Wire Gauge:** 16 AWG

**Braid Resistance:** Tinned copper 0.0055 ohms/ft

(0.0182 ohms/m)

**Bend Radius:** 0.5 in (12 mm)

### Ordering Information

**Part Number Matrix**

SLHCBL 5 120 BF

**Watts/Ft:** \_\_\_\_\_

5, 10, 15, 20

**Voltage:** \_\_\_\_\_

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

**Outer Layer:** \_\_\_\_\_

B- (Tinned Copper Metal Braid)

BF- (Tinned Copper Metal Braid with Fluoropolymer Overjacket)

### Complete Your System with

Component	Page No.
Power Connection/ Termination Kits	33
Monitor Light Kits	32
Insulation	54
Temperature Controls	145

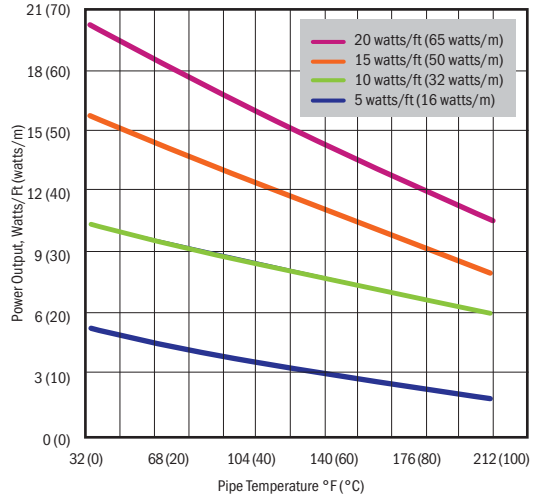
## SLHCBL HIGH-TEMPERATURE SELF-REGULATING HEATING CABLE

### Maximum Circuit Length in ft (m)

Heating Cable	Circuit Breaker Size	Start-up Temperature			
		50°F (10°C)	32°F (0°C)	-4°F (-20°C)	-40°F (-40°C)
SLHCBL5120	10 amp	120 (37)	110 (34)	105 (32)	90 (27)
	15 amp	180 (55)	175 (53)	158 (48)	143 (44)
	20 amp	240 (73)	215 (66)	190 (58)	180 (55)
	30 amp	259 (79)	245 (75)	240 (73)	225 (69)
	40 amp	266 (81)	255 (78)	250 (76)	240 (73)
SLHCBL5240	10 amp	240 (73)	220 (67)	210 (64)	180 (55)
	15 amp	360 (110)	350 (107)	315 (96)	285 (87)
	20 amp	479 (146)	430 (131)	380 (116)	360 (110)
	30 amp	518 (158)	490 (149)	480 (146)	450 (137)
	40 amp	531 (162)	510 (155)	500 (152)	480 (146)
SLHCBL10120	10 amp	73 (22)	69 (21)	65 (20)	58 (18)
	15 amp	118 (36)	110 (34)	98 (30)	88 (27)
	20 amp	148 (45)	140 (43)	130 (40)	118 (36)
	30 amp	220 (67)	200 (61)	182 (56)	175 (53)
	40 amp	255 (78)	240 (73)	220 (67)	230 (70)
SLHCBL10240	10 amp	146 (45)	138 (42)	130 (40)	116 (35)
	15 amp	236 (72)	220 (67)	195 (59)	175 (53)
	20 amp	295 (90)	280 (85)	260 (79)	235 (72)
	30 amp	440 (134)	400 (122)	364 (111)	350 (107)
	40 amp	510 (155)	480 (146)	440 (134)	460 (140)
SLHCBL15120	10 amp	50 (15)	47 (14)	42 (13)	40 (12)
	15 amp	75 (23)	65 (20)	63 (19)	60 (18)
	20 amp	100 (31)	90 (27)	83 (25)	80 (24)
	30 amp	143 (44)	135 (41)	125 (38)	120 (37)
	40 amp	190 (58)	175 (53)	168 (51)	160 (49)
SLHCBL15240	10 amp	100 (31)	93 (28)	83 (25)	80 (24)
	15 amp	150 (46)	130 (40)	125 (38)	120 (37)
	20 amp	200 (61)	180 (55)	165 (50)	160 (49)
	30 amp	285 (87)	270 (82)	250 (76)	240 (73)
	40 amp	380 (116)	350 (107)	335 (102)	320 (98)
SLHCBL20120	10 amp	39 (12)	33 (10)	34 (10)	32 (10)
	15 amp	58 (18)	55 (17)	50 (15)	48 (15)
	20 amp	75 (23)	71 (22)	68 (21)	63 (19)
	30 amp	115 (35)	105 (32)	100 (31)	95 (29)
	40 amp	153 (47)	143 (44)	133 (41)	125 (38)
SLHCBL20240	10 amp	77 (24)	70 (21)	67 (20)	63 (19)
	15 amp	115 (35)	110 (34)	100 (31)	95 (29)
	20 amp	150 (46)	142 (43)	135 (41)	125 (38)
	30 amp	230 (70)	210 (64)	200 (61)	190 (58)
	40 amp	306 (93)	286 (87)	265 (81)	250 (76)

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

### Heat Output — Watts/Ft (watts/m)



### Outer Layer Options

Product Type	Description	Nominal Dimensions [thickness x width] in (mm)	Shipping Weight: 500 ft (152 m) spool lbs (kg)	Purpose
SLHCBL-B	Tinned Copper Metal Braid	0.15 x 0.45 (3.8 x 11.4)	38 (17)	Ordinary applications
SLHCBL-BF	Tinned Copper Metal Braid with Fluoropolymer Overjacket	0.19 x 0.49 (4.8 x 12.4)	47 (21)	For use in strong chemical environments (i.e. strong acids)

### Voltage Adjustment Factors

Watt/ft Output Adjustment Factor		
Product Type	208 VAC	277 VAC
SLHCBL5240	0.87	1.07
SLHCBL10240	0.88	1.08
SLHCBL15240	0.88	1.08
SLHCBL20240	0.86	1.07

Max Circuit Length Adjustment Factor		
Product Type	208 VAC	277 VAC
SLHCBL5240	0.99	1.08
SLHCBL10240	0.99	1.06
SLHCBL15240	0.98	1.06
SLHCBL20240	1.00	1.08