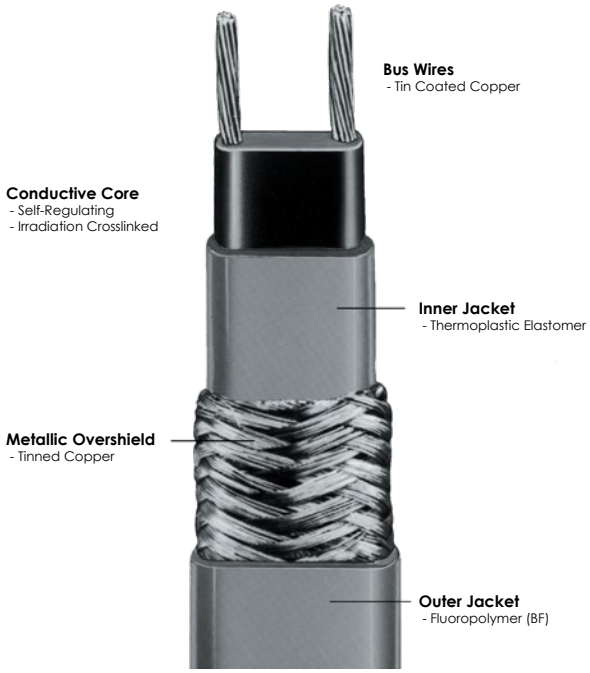
SLHCBL High-Temperature Self-Regulating Heating Cable

Product Highlights

- ✓ Ideal for freeze protection and low 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
- ✓ No temperature controller is required*

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



Specifications:

- Maximum continuous maintenance temperature: 248°F (120°C)
- Maximum intermittent exposure temperature: 392°F (200°C)
- Minimum intermittent exposure temperature: -22°F (-30°C)
- Nominal power output at 50°F (10°C): 5, 10, 15, 20 W/ft (15, 30, 45, 60 W/m)
- Supply voltages (AC): 110-120V or 208-277V
- Moisture, chemical, and flame resistant
- Bus wire gauge: 16 AWG
- Braid resistance: Tinned copper 0.0055 ohms/ft (0.0182 ohms/m)

Outer Layer Options:

Product Type	Description	Nominal Dimensions	Shipping Weight: 500-ft (152m) spool	Purpose
SLHCBL-B	Tinned Copper Metal Braid	0.15" x 0.45" (3.8mm x 11.4mm)	38 lb. (17 kg)	Ordinary applications
SLHCBL-BF	Tinned Copper Metal Braid with Fluoropolymer Overjacket	0.19" x 0.49" (4.8mm x 12.4mm)	47 lb. (21.2 kg)	For use in strong chemical environments (i.e. strong acids)

Ordering Information:

Part Number Matrix **SLHCBL 5 120 BF**

Watts/ft:
5, 10, 15, 20

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

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

Approvals:

CE

See Page 11 for power connection/termination kits.

SLHCBL High-Temperature Self-Regulating Heating Cable *continued*

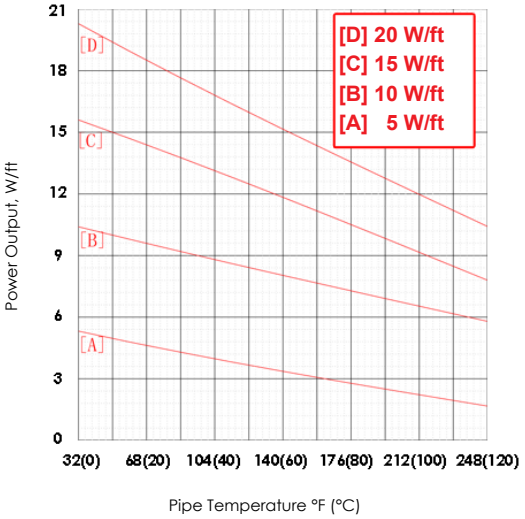
Specification / Application Information:

Maximum Circuit Length in Feet Vs. Circuit Breaker Size

Heat Cable Type	Circuit Breaker Size	Start-up Temperature			
		50°F (10°C)	32°F (0°C)	-4°F (-20°C)	-40°F (-40°C)
SLHCBL5120	10 amp	120	110	105	90
	15 amp	180	175	158	143
	20 amp	240	215	190	180
	30 amp	259	245	240	225
	40 amp	266	255	250	240
SLHCBL5240	10 amp	240	220	210	180
	15 amp	360	350	315	285
	20 amp	479	430	380	360
	30 amp	518	490	480	450
	40 amp	531	510	500	480
SLHCBL10120	10 amp	73	69	65	58
	15 amp	118	110	98	88
	20 amp	148	140	130	118
	30 amp	220	200	182	175
	40 amp	255	240	220	230
SLHCBL10240	10 amp	146	138	130	116
	15 amp	236	220	195	175
	20 amp	295	280	260	235
	30 amp	440	400	364	350
	40 amp	510	480	440	460
SLHCBL15120	10 amp	50	47	42	40
	15 amp	75	65	63	60
	20 amp	100	90	83	80
	30 amp	143	135	125	120
	40 amp	190	175	168	160
SLHCBL15240	10 amp	100	93	83	80
	15 amp	150	130	125	120
	20 amp	200	180	165	160
	30 amp	285	270	250	240
	40 amp	380	350	335	320
SLHCBL20120	10 amp	39	33	34	32
	15 amp	58	55	50	48
	20 amp	75	71	68	63
	30 amp	115	105	100	95
	40 amp	153	143	133	125
SLHCBL20240	10 amp	77	70	67	63
	15 amp	115	110	100	95
	20 amp	150	142	135	125
	30 amp	230	210	200	190
	40 amp	306	286	265	250

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

Heat Output (Watts per Foot)



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