

SLMCBL Mid-Temperature Self-Regulating Heating Cable

Product Highlights

- ✓ Ideal for freeze protection and low temperature process maintenance up to 230°F (110°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: 230°F (110°C)
- Maximum intermittent exposure temperature: 275°F (135°C)
- Minimum intermittent exposure temperature: -22°F (-30°C)
- Nominal power output at 50°F (10°C): 5, 10, 15, 20 W/ft (17, 31, 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
SLMCBL-B	Tinned Copper Metal Braid	0.15" x 0.45" (3.8mm x 11.4mm)	32 lb. (14.5 kg)	Ordinary applications
SLMCBL-BP	Tinned Copper Metal Braid with Thermoplastic Elastomer Overjacket	0.23" x 0.54" (6.0mm x 13.6mm)	37 lb. (16.8 kg)	For use in wet or weak chemical environments (i.e. weak acids)
SLMCBL-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 **SLMCBL 5 120 BP**

Watts/ft: _____
5, 10, 15, 20

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

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

Approvals:



See Page 11 for power connection/termination kits.

SLMCBL Mid-Temperature Self-Regulating Heating Cable *continued*

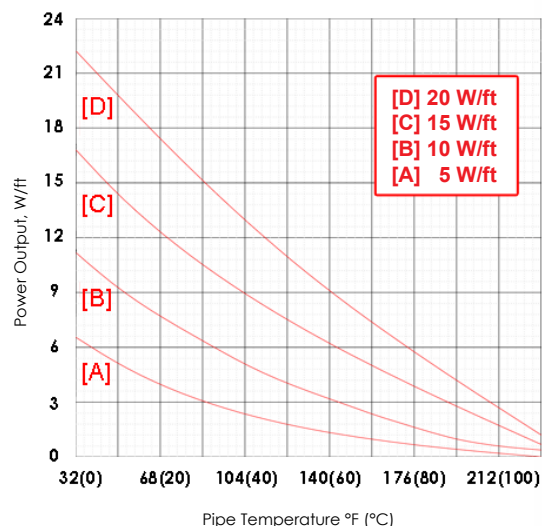
Specification / Application Information:

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)
SLMCBL5120	10 amp	110	80	-	-
	15 amp	133	105	98	90
	20 amp	195	160	148	138
	30 amp	210	195	170	165
	40 amp	210	195	183	180
SLMCBL5240	10 amp	220	160	145	135
	15 amp	265	210	195	180
	20 amp	390	320	295	275
	30 amp	420	390	365	360
	40 amp	420	390	340	330
SLMCBL10120	10 amp	75	73	-	-
	15 amp	100	95	80	70
	20 amp	133	148	125	100
	30 amp	174	180	156	130
	40 amp	174	175	156	140
SLMCBL10240	10 amp	150	145	121	114
	15 amp	200	190	160	140
	20 amp	265	295	249	200
	30 amp	347	360	311	280
	40 amp	347	350	311	260
SLMCBL15120	10 amp	57	51	-	-
	15 amp	94	87	57	54
	20 amp	120	108	71	69
	30 amp	154	133	80	80
	40 amp	154	133	90	87
SLMCBL15240	10 amp	114	101	68	65
	15 amp	187	173	114	108
	20 amp	239	216	141	137
	30 amp	308	265	180	173
	40 amp	308	265	160	160
SLMCBL20120	10 amp	51	41	-	-
	15 amp	82	72	51	49
	20 amp	102	90	67	61
	30 amp	131	115	84	74
	40 amp	150	128	110	95
SLMCBL20240	10 amp	101	82	62	55
	15 amp	164	144	101	98
	20 amp	203	180	134	121
	30 amp	262	229	167	147
	40 amp	300	255	220	190

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
SLMCBL5240	0.84	1.20
SLMCBL10240	0.85	1.18
SLMCBL15240	0.91	1.09
SLMCBL20240	0.90	1.07

Max Circuit Length Adjustment Factor		
Product Type	208 VAC	277 VAC
SLMCBL5240	0.95	1.04
SLMCBL10240	0.94	1.06
SLMCBL15240	0.91	1.10
SLMCBL20240	0.91	1.11

CABLE / WIRE