

## SELF-REGULATING RAPID-TRACE HEATING CABLE/ MEDIUM TEMPERATURE

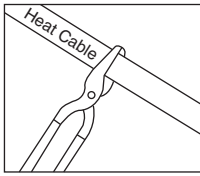
SRM/E Series  
Starts at  
**\$175**  
25' Length



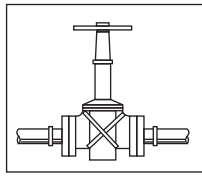
- ✓ 3, 5, 8, 10, 15, and 20 Watts/ft
- ✓ 120 and 240V
- ✓ 150°C (302°F) Maximum Maintenance Temperature

### APPLICATIONS

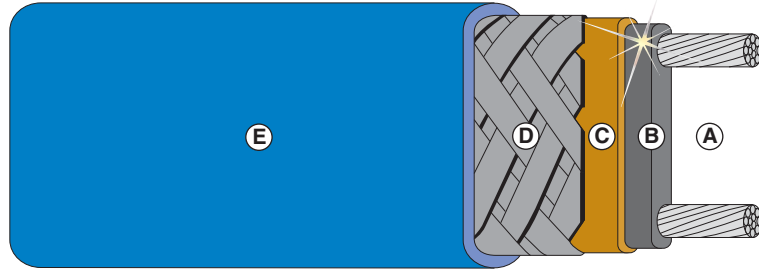
SRM/E self-regulating heating cable provides safe, reliable heat tracing for process temperature maintenance and freeze protection of pipes, valves, tanks, and similar applications. The 215°C (420°F) maximum exposure temperature rating allows steam cleaning of process equipment with up to 300 psig steam. OMEGALUX® SRM/E heating cables can be used in hazardous as well as certain corrosive areas.



Cut to Length in Field



Can be Overlapped



### Standard Construction (refer to lettered callouts in drawing).

**A. Bus Wires.** Twin 14 AWG copper bus wires provide reliable current capability.

**B. Matrix.** The electrical resistance of this semi-conductive polymer core varies with temperature. When process temperature drops, the core's heat output increases; conversely, as process temperature rises, heat output decreases.

**C. Jacket.** This flame retardant fluoropolymer

insulation insulates bus wires and is highly corrosion resistant.

**D. Metallic Braid ("C").** Provides a positive ground path and additional mechanical protection.

**E. Optional Overjacket ("CT").** Fluoropolymer jacket over-braid provides protection for the braid from most aqueous and chemically corrosive solutions as well as abrasion and impact damage. Add suffix "-CT" to model number.

### FEATURES

- ✓ Steam cleanable. SRM/E can withstand 215°C (420°F), 300 psig steam purging of process piping when not energized.
- ✓ Saves energy. Self-regulating SRM/E uses less energy when less heat is required.
- ✓ Cut SRM/E to any desired length (up to maximum circuit length). Field splices can be performed easily in minutes. No scrap, no wasted cold sections, no worry!

- ✓ Overlap OMEGALUX SRM/E cable without fear of burnout.
- ✓ Self-regulating effect makes an over-temperature condition virtually impossible.
- ✓ Surpasses steam tracing by far! Lower installed cost than steam. Less maintenance, expense, and downtime.

### APPROVALS

Consult page 47 for third-party approval or listing information.

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

Output at Rated Voltage @ 10°C (50°F)		TYPE SRM					
		Metallic Braid (-C)			Fluoropolymer Overcoat (-CT)		
Watts/Ft.	Volts	Model No.	Price/Ft.	Wt./1000lb (kg)'	Model No.	Price/Ft.	Wt./1000' lb (kg)
3	120	SRM/E3-1C	\$7	80 (36.3)	SRM/E3-1CT	\$9	100 (45.4)
3	240	SRM/E3-2C	8	80 (36.3)	SRM/E3-2CT	10	100 (45.4)
5	120	SRM/E5-1C	8	80 (36.3)	SRM/E5-1CT	10	100 (45.4)
5	240	SRM/E5-2C	9	80 (36.3)	SRM/E5-2CT	11	100 (45.4)
8	120	SRM/E8-1C	9	80 (36.3)	SRM/E8-1CT	11	100 (45.4)
8	240	SRM/E8-2C	10	80 (36.3)	SRM/E8-2CT	11	100 (45.4)
10	120	SRM/E10-1C	10	80 (36.3)	SRM/E10-1CT	12	100 (45.4)
10	240	SRM/E10-2C	11	80 (36.3)	SRM/E10-2CT	12	100 (45.4)
15	120	SRM/E15-1C	12	80 (36.3)	SRM/E15-1CT	13	100 (45.4)
15	240	SRM/E15-2C	12	80 (36.3)	SRM/E15-2CT	14	100 (45.4)
20	120	SRM/E20-1C	13	80 (36.3)	SRM/E20-1CT	15	100 (45.4)
20	240	SRM/E20-2C	14	80 (36.3)	SRM/E20-2CT	15	100 (45.4)

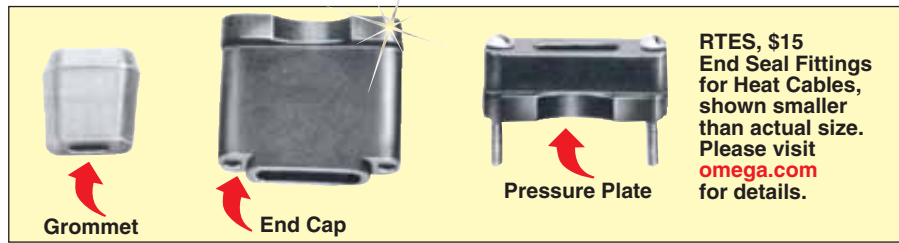
\*Minimum length of heating cable is 7.6 m (25') SRM/E cable is also available in 15 W per foot. Contact Sales for price and delivery. See pages 50-53 for heat cable accessories and controls.

Ordering Example: SRM/E5-2C-100, 240 Vac heating cable, 5 W per foot, with tinned-copper braid, 30 m (100') length, \$900.

# HEATING CABLE SYSTEMS

## GENERAL SPECIFICATIONS

**Maximum Pipe Maintenance Temperature/POWER ON:**  
120°C (250°F)  
**Maximum Intermittent Exposure Temperature/POWER OFF:**  
190°C (375°F)  
**Buss Wire Gauge:** 14 AWG  
**Approximate Cable Size:** 13 x 3 mm (½ x ¼"). CT only: 14 x 5 mm (⅝ x ¼")



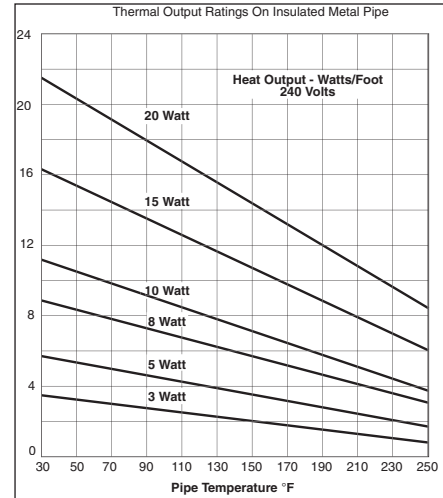
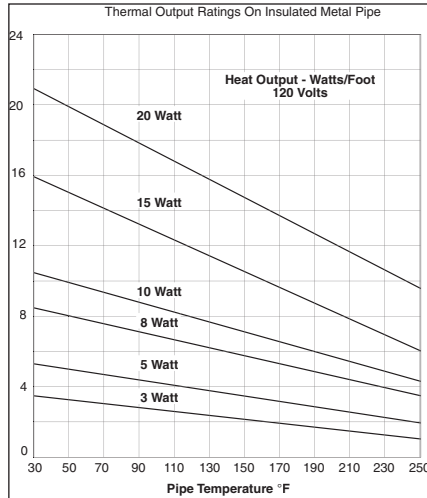
## THIRD PARTY APPROVALS

Refer to table below.  
Consult 1-800-USA-HEAT for assistance.

## CIRCUIT BREAKER SELECTION

Circuit breakers must have sufficient capacity to allow for the inrush current of initial start-up. To determine the circuit breaker size required, multiply the start-up in amps/ft. times the installed total cable length in feet at the expected start-up temperature (°F).

**NOTE:** Thermal circuit breakers are recommended since magnetic circuit breakers could “nuisance trip” at low temperature.



Circuit Breaker Selection	Maximum Circuit Lengths (feet)																
	Cable Rating	Circuit Breaker :	50°F Start-Up					0°F Start-Up					-20°F Start-Up				
			15A	20A	30A	40A	50A	15A	20A	30A	40A	50A	15A	20A	30A	40A	50A
SRM/E 3-1		285	385	385	385	385	275	375	385	385	385	265	365	385	385	385	
SRM/E 3-2		575	770	780	780	780	540	750	780	780	780	525	740	780	780	780	
SRM/E 5-1		180	240	360	375	375	165	220	330	375	375	155	210	310	375	375	
SRM/E 5-2		360	480	720	750	750	325	430	645	750	750	310	415	620	750	750	
SRM/E 8-1		145	190	285	325	325	135	175	265	325	325	130	165	250	325	325	
SRM/E 8-2		285	380	575	650	650	255	345	520	650	650	245	335	490	650	650	
SRM/E 10-1		95	125	190	250	250	90	110	175	250	250	85	100	170	245	250	
SRM/E 10-2		190	255	385	490	490	165	225	435	490	490	155	215	330	470	490	
SRM/E 15-1		70	95	145	190	210	65	85	125	165	210	60	80	120	150	210	
SRM/E 15-2		145	190	290	385	420	120	175	270	360	420	115	165	260	340	420	
SRM/E 20-1		60	75	115	155	160	50	65	105	140	160	45	65	100	135	160	
SRM/E 20-2		115	155	230	305	350	100	135	200	270	350	90	130	195	255	335	

## Third Party Approvals

Approval	Cable: SRF	SRL3	SRL5	SRL8	SRL10	SRM/E3	SRM/E5	SRM/E8	SRM/E10	CWM/4	CWM/8	CWM/12
UL listed for ordinary areas	✓	✓	✓	✓	✓	✓		✓	✓			
FM approval for ordinary areas	✓	✓	✓	✓	✓	✓	✓	✓	✓			
FM approval for hazardous areas, Class I, Div. II, Groups B, C, D (gases, vapors)		✓	✓	✓	✓	✓	✓	✓	✓			
FM approval for hazardous areas, Class II, Div. II, Group G (combustible dust)		✓	✓	✓	✓	✓	✓	✓	✓			
FM approval for hazardous areas, Class III, Div. II, (easily ignitable fibers & fillings)		✓	✓	✓	✓	✓	✓	✓	✓			
CSA certified for ordinary areas	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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