

SELF-REGULATING RAPID-TRACE HEATING CABLE/ MEDIUM TEMPERATURE

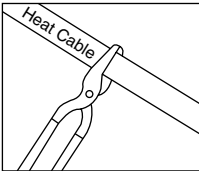
SRM/E Series



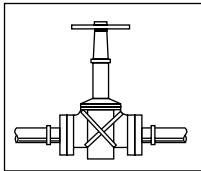
- ✓ 3, 5, 8, 10, 15, and 20 Watts/ft
- ✓ 120 and 240V
- ✓ 150°C (302°F) Maximum Maintenance Temperature

APPLICATIONS

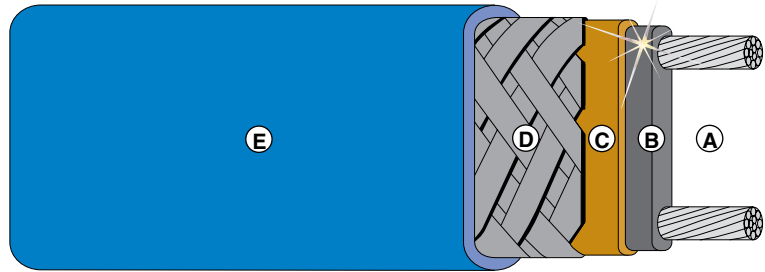
SRM/E self-regulating heating cable provides safe, reliable heat tracing for process temperature maintenance and freeze protection of pipes, valves, tanks, and similar applications. The 215°C (420°F) maximum exposure temperature rating allows steam cleaning of process equipment with up to 300 psig steam. 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 next page for third-party approval or listing information.

To Order

Output at Rated Voltage @ 10°C (50°F)		Metallic Braid (-C)		Fluoropolymer Overcoat (-CT)	
Watts/Ft. lb (kg)	Volts	Model No.	Wt./1000' lb (kg)	Model No.	Wt./1000'
3	120	SRM/E3-1C	80 (36.3)	SRM/E3-1CT	100 (45.4)
3	240	SRM/E3-2C	80 (36.3)	SRM/E3-2CT	100 (45.4)
5	120	SRM/E5-1C	80 (36.3)	SRM/E5-1CT	100 (45.4)
5	240	SRM/E5-2C	80 (36.3)	SRM/E5-2CT	100 (45.4)
8	120	SRM/E8-1C	80 (36.3)	SRM/E8-1CT	100 (45.4)
8	240	SRM/E8-2C	80 (36.3)	SRM/E8-2CT	100 (45.4)
10	120	SRM/E10-1C	80 (36.3)	SRM/E10-1CT	100 (45.4)
10	240	SRM/E10-2C	80 (36.3)	SRM/E10-2CT	100 (45.4)
15	120	SRM/E15-1C	80 (36.3)	SRM/E15-1CT	100 (45.4)
15	240	SRM/E15-2C	80 (36.3)	SRM/E15-2CT	100 (45.4)
20	120	SRM/E20-1C	80 (36.3)	SRM/E20-1CT	100 (45.4)
20	240	SRM/E20-2C	80 (36.3)	SRM/E20-2CT	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. Visit us online 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.

HEATING CABLE SYSTEMS

GENERAL SPECIFICATIONS

Maximum Pipe Maintenance

Temperature/POWER ON:

120°C (250°F)

Maximum Intermittent Exposure

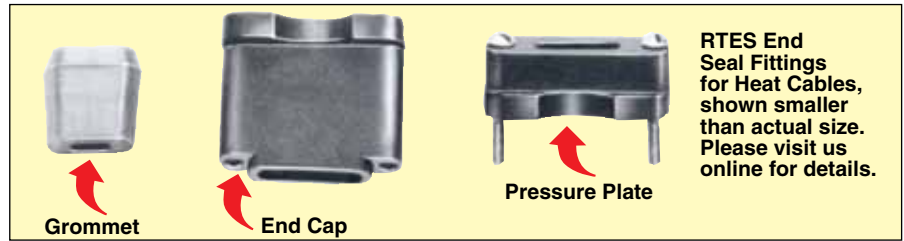
Temperature/POWER OFF:

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 ⅜")



THIRD PARTY APPROVALS

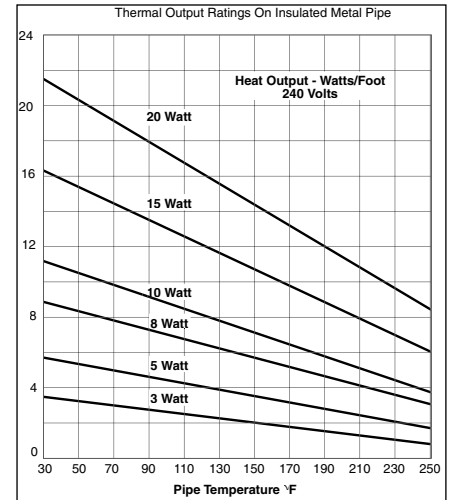
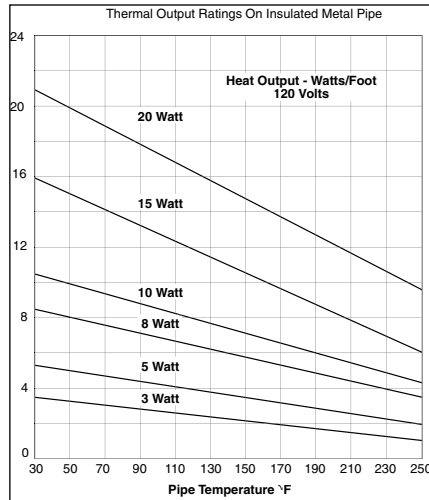
Refer to table below.

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	95	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		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓