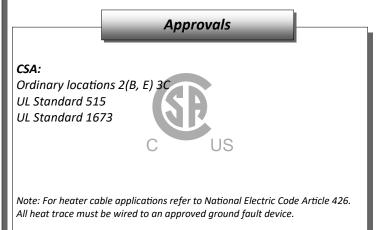


SM-C snow melting cable is a constant wattage, parallelresistance electric heater that provides constant power output along the entire length of cable. SM-C snow melting cable is constructed of 12 AWG bright copper buss wires which allow for exceptionally long circuit lengths. The fluoropolymer insulation protects the cable from high exposure temperatures which makes it ideal for all asphalt installations. It also sufficiently protects the cable during installation and when encapsulated in concrete/asphalt.

Unlike other snow melting brands on the market that use low temperature PVC for insulation SM-C cables offer extreme durability, ruggedness, and withstands the harshest conditions. SM-C cables offers mineral insulated type longevity for less than leading brand snow melting mats. The quality of SM-C cable is unparalleled and offers much more than typical mats. SM-C cables conform to any type area to be traced. Simply spool off cable, attach to mesh and terminate. No need for distributors to stock or order 15-20 different mat sizes.

SM-C cables generate 45W/Ft.² on 8" centers and can be spaced as far apart as 10" for an efficient radiating pattern that eliminates ice-ridging or striping of un-melted snow/ice. SM-C cables can be paired with any number of mechanical, electronic snow melting controls for an energy efficient, reliable system. SM-C snow melting cables can be used in all direct burial concrete applications where cable is 1-1/2"-2" below grade. SM-C cable is ideally suited for all asphalt installations where high exposure temperature is a concern. Most mat heaters, snow melting cables cannot withstand asphalt application temperatures which result in cable destruction or degraded system performance due to weakened dielectic. This is because other manufacturers use low cost insulating materials in their construction. SM-C cables can be used in all classes of snow melting!



TAD & Associates, Inc. P.O. Box 2170 Canyon Lake, Texas 78133 Phone: 830.964.4435 Fax: 830.964.4441 http://www.tad-associates.com

Ordering Information

Example Co	nfiguration	SM-24C			
SM-C	Vo	ltage	Weight/Lbs		
	12=120V	27=277V	500′=55		
	28=208V	37=347V	1,000'=110		
N. M. OPA	22=220V	48=480V	1,500'=165		
	24=240V		、深海防、ア		

Note: Standard put-ups 500', 1,000', 1,500'. 120-347V/30 zones. 480V/48" zones. Min. order 500'.

Circuit Length Vs. Breaker Sizing

Voltage	Table 4 SM-C Circuit Lengths vs. Breaker Sizing (P)							
Voltage	15A (30)	20A (29)	30A (28)	40A (26)	50A (24)			
208VAC	80	110	170	230	300			
240VAC	95	130	195	270	350			
277VAC	110	150	230	310	400			

Note: P=Heating cable output at the end-of-circuit. Determine spacing with these outputs. Circuit lengths are based on 20% breaker de-rating per National Electric Code.

To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with **National Electric Code (NEC) Article 427.22** requirements, agency certifications, and local codes, ground-fault equipment protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection. Ground fault protection is the responsibility of the end user and should be installed by a certified electrician.

Output at Alternate Voltages

Typical Heaters	208 VAC	240 VAC	277 VAC
SM-28C	30.0	39.9	
SM-24C	22.5	30.0	39.9
SM-27C	16.9	22.5	30.0

Note: Dashed lined indicates cable failure imminent. Outputs above 30W/Ft. not recommended as will gradually lead to diminished performance/cable failure.

	Accessories
SMC-ТК	Termination Kit for SM-C
SMC-SK	Splice Kit for SM-C
СТ-1	Cable Ties (50/Pack)
RPC-SM	Power Connection Kit for SM
RTC-SM	Multi-Entry Kit for SM
AIC-4	Snow Melting Control 10A
RSD4.5	Snow Melting Control 35A
2-1-	and the second of the
	and the second
	associate and listed. Can estales for additional listings

Note: Not all accessories are listed. See catalog for additional listings.

		Maximum Circuit Length						4				
Heaters	0 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.	300 Ft.	350 Ft.	400 Ft.	500 Ft.	600 Ft.	650 Ft.
SM-12C	30.0	29.35	27.59	25.00	÷	1-1	- 10	_	_	_	-	
SM-28C	30.0	29.82	29.20	28.21	26.92	25.39	23.69		_	_	_	-
SM-22C	30.0	29.79	29.23	28.35	27.18	25.79	24.22	<u> </u>	_	-	<u> </u>	_
SM-24C	30.0	<u>29.83</u>	29.37	28.62	27.62	26.41	25.04	23.55	_	<u>-</u> 16		_
SM-27C	30.0	<u>29.88</u>	29.55	28.95	28.18	27.24	26.15	24.95	23.66		_	_
SM-37C	30.0	29.92	29.69	29.32	28.82	28.19	27.46	26.62	25.72	23.69	-	_
SM-48C	30.0	29.97	29.89	29.78	29.61	29.34	29.13	28.82	28.48	27.68	26.75	26.24

Note: Circuit lengths based on 50A breaker with 20% de-rating. Dashed line indicates drop off exceeds output minimums or amperage exceeds breaker safety envelope. To determine circuit lengths using smaller breaker sizes interpolate from chart and de-rate breaker by 20%.

TAD & Associates, Inc. P.O. Box 2170 Canyon Lake, TX 78133 800-755-7602