king

Smart Heating Solutions

Electric Heating Cable Systems

Freeze Protection

Roof/Gutter

Accessories

Controls

Pipe Freeze Protection

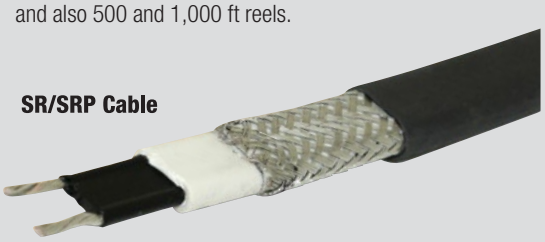
Pipe Freeze Protection Systems

King's Pipe Freeze Protection systems ensure that your pipes remain clear of ice and water continues to flow all winter long. Easy installation makes the process go quickly so you can be prepared long before winter arrives. Perfect for residential, commercial or industrial applications.

SRP Series Self-Regulating Pre-Assembled Heating Cable is designed for a variety of pipe freeze protection applications. The cable is constructed so that it will not burn out or overheat when overlapped, and can be used on metal and plastic pipes. The cable is pre-terminated with a 30 inch cold lead.

SR Series Self-Regulating Heating Cable is designed for commercial and industrial pipe trace applications. The cable is constructed so that it will not burn out or overheat when overlapped, and can be used on metal and plastic pipes. The cable is available in 100 and 250 ft coils and also 500 and 1,000 ft reels.

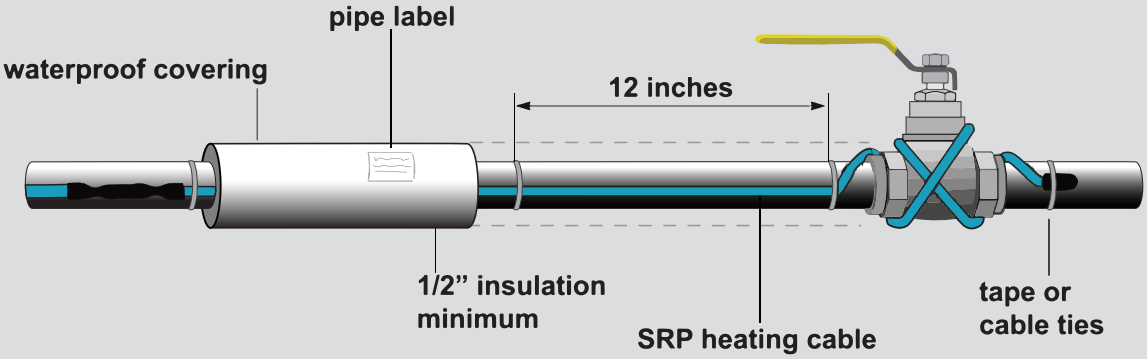
SR/SRP Cable



Cable Construction Table

Outer Jacket	Rugged polyolefin UV jacket
Outer Jacket (-CT)*	Fluoropolymer jacket
Ground Braid	Tinned copper
Inner Jacket	Flame retardent thermoplastic
Core	Self-regulating semi-conductive core
Bus Wire	16 gauge tinned copper
Bending Radius	1" (24mm)

SR/SRP Application



Pre-Assembled Self-Regulating Pipe Trace Cable

Pre-Assembled

120 Volt - Grounded Plug

Model Code:

SRP	12	6	-6
A	B	C	D

A: Pre-Assembled Self Reg.
B: 12 - 120V
24 - 240V
C: Watts per foot
D: Linear Length in feet

SRP Series Self-Regulating Pre-Assembled Heating Cable is designed for a variety of pipe freeze protection applications.

SRP Self-Regulating Pre-Assembled Heating Cable Features

- Pre-terminated with 30 inch grounded plug and end splice
- Suitable for use on metal and plastic pipes
- 2 year warranty
- Cable will not overheat or burn out when overlapped
- 16 gauge heating cable bus wire
- 6 w/ft at 40ºF (5ºC)

Intertek

120V

MODEL	UPC	LENGTH	VOLTS	WATTS*
SRP126-6	40400	6 FT.	120	36
SRP126-12	40402	12 FT.	120	72
SRP126-18	40404	18 FT.	120	108
SRP126-24	40406	24 FT.	120	144
SRP126-37	48711	37.5 FT.	120	225
SRP126-50	40408	50 FT.	120	300
SRP126-62	48712	62.5 FT.	120	375
SRP126-75	40410	75 FT.	120	450
SRP126-87	48713	87.5 FT.	120	525
SRP126-100	40412	100 FT.	120	600
SRP126-125	48714	125 FT.	120	750
SRP126-150	48715	150 FT.	120	900

*Wattage rating for pipe freeze protection application is 6 w/ft determined at 40˚F (5˚C).

240V - Cold Leads

SRP Series Self-Regulating Pre-Assembled Heating Cable is designed for a variety of pipe freeze protection applications.

SRP Self-Regulating Pre-Assembled Heating Cable Features

- Pre-terminated with 30 inch grounded plug and end splice
- Suitable for use on metal and plastic pipes
- 2 year warranty
- Cable will not overheat or burn out when overlapped
- 16 gauge heating cable bus wire
- 6 w/ft at 40ºF (5ºC)

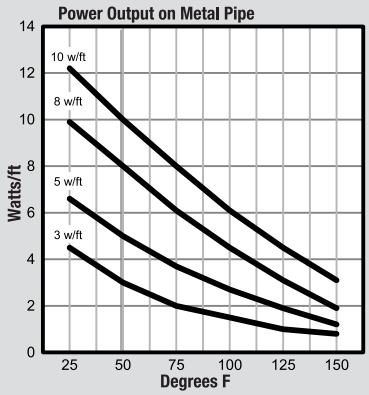
Intertek

240V

MODEL	UPC	LENGTH	VOLTS	WATTS*
SRP246-6	42373	6 FT.	240	36
SRP246-12	42374	12 FT.	240	72
SRP246-18	42375	18 FT.	240	108
SRP246-24	42376	24 FT.	240	144
SRP246-37	48716	37.5 FT.	240	225
SRP246-50	42377	50 FT.	240	300
SRP246-62	48717	62.5 FT.	240	375
SRP246-75	42378	75 FT.	240	450
SRP246-87	48718	87.5 FT.	240	525
SRP246-100	42379	100 FT.	240	600
SRP246-125	48719	125 FT.	240	750
SRP246-150	48720	150 FT.	240	900
SRP246-175	48721	175 FT.	240	1050
SRP246-200	48722	200 FT.	240	1200

*Wattage rating for pipe freeze protection application is 6 w/ft determined at 40˚F (5˚C).

Self-Regulating Pipe Trace Cable



1,000 ft. Reel

Model Code:

SR	12	3	-250
A	B	C	D

A: Self Regulating Cable
B: 12 - 120V
24 - 240V
C: Watts per foot
D: Linear Length in feet

SR Series Self-Regulating Heating Cable is designed for a variety of industrial and commercial pipe trace applications.

SR Self-Regulating Heating Cable Features

- Stops pipe and valve freeze down to -40˚F
- Cable will not overheat or burn out when overlapped
- Suitable for use on metal and plastic pipes
- 2 year warranty

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			AVAILABLE LENGTHS				
	VOLTS	PIPE RATING** WATTS/FT.	100 FT. LENGTH MODEL / UPC	250 FT. LENGTH MODEL / UPC	500 FT. LENGTH MODEL / UPC	1000 FT. LENGTH MODEL / UPC	WEIGHT/FT.
120V	120	3	SR123-100 / 40513	SR123-250 / 40414	SR123-500 / 48735	SR123-1000 / 40416	0.080 LBS./FT.
	120	5	SR125-100 / 40514	SR125-250 / 40418	SR125-500 / 48736	SR125-1000 / 40420	0.080 LBS./FT.
	120	8	SR128-100 / 40515	SR128-250 / 40422	SR128-500/ 48737	SR128-1000 / 40424	0.080 LBS./FT.
	120	10	SR1210-100 / 40516	SR1210-250 / 40426	SR1210-500 / 48742	SR1210-1000 / 40428	0.080 LBS./FT.
	VOLTS	PIPE RATING** WATTS/FT.	100 FT. LENGTH MODEL / UPC	250 FT. LENGTH MODEL / UPC	500 FT. LENGTH MODEL / UPC	1000 FT. LENGTH MODEL / UPC	WEIGHT/FT.
240V	240*	3	SR243-100 / 40517	SR243-250 / 40430	SR243-500 / 48739	SR243-1000 / 40432	0.080 LBS./FT.
	240*	5	SR245-100 / 40518	SR245-250 / 40434	SR245-500 / 48740	SR245-1000 / 40436	0.080 LBS./FT.
	240*	8	SR248-100 / 40519	SR248-250 / 40438	SR248-500 / 48741	SR248-1000 / 40440	0.080 LBS./FT.
	240*	10	SR2410-100 / 40520	SR2410-250 / 40442	SR2410-500 / 48746	SR2410-1000 / 40444	0.080 LBS./FT.

*Approved for 208, 220, 240, 277 volt operation, refer to wattage adjustment tables for output rating. (See Page 191, Table 4)
**Wattage rating for pipe freeze protection application is determined at 50˚F (10˚C).

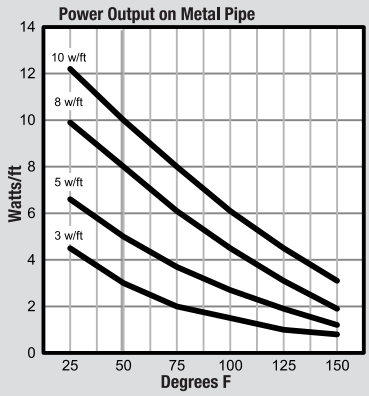
Controls and thermostats should always be used with King heating cable systems.

SR ACCESSORIES Refer to page ?? for Pipe Freeze Protection Accessories

MODEL	UPC	DESCRIPTION	WEIGHT
SRK00	40462	Hard wired power connection kit, includes end seal	0.3 lbs.
SRK02	40461	Connection kit, includes end seal	0.3 lbs.
SRK03	40464	Pipe trace tape (66 ft) and 10 labels per pack	0.1 lbs.
SRK04	61713	2.5" x 50 yards 2 Mil Foil tape	1.0 lbs.
SRK08	40466	Plug in 120V connection kit with GFEP device, includes end seal	1.0 lbs.
SRK10	40468	Weatherproof splice/tee kit, includes end seal	0.2 lbs.
SRK12	40470	End seal kit (2 per package)	0.1 lbs.
SRK17	40477	11 & 13mm Gel end seal	0.1 lbs.
SRK18	40512	Lighted end seal, 85-277V	0.3 lbs.
IFC12	40490	Plug in fixed thermostat, 120V, 15 amp, on at 35°F off at 45°F (12/case)	0.3 lbs.
TRF-115-005	40477	Freeze protection thermostat, weatherproof with 5ft. remote bulb & capillary, 25 amp at 120/208/240V, 22 amp at 277V, adjustable temp 0°F, suitable for 24 VAC operation (w/Power-On indicator light)	0.3 lbs.

For Both Hazardous and Non-Hazardous Locations

CT Self-Regulating Pipe Trace Cable



1,000 ft. Reel

Model Code:

SR	12	3	-250	CT
A	B	C	D	E

A: Self Regulating Cable
B: 12 - 120V
24 - 240V
C: Watts per foot
D: Linear Length in feet
E: FlouroPolymer Jacket

Hazardous Locations
Class I, Div. 2, Groups A,B,C,D Class II, Div. 2, Groups E,F,G Class III

Zone Approvals
T5 or T6

CT self-regulating heating cables are designed for industrial and commercial freeze protection and process-temperature maintenance applications. CT cables maintain process temperatures up to 150°F (65°C) and can withstand intermittent exposure to temperatures up to 185°F (85°C). The heating cables are configured for use in nonhazardous and hazardous locations, including areas where corrosives may be present.

CT Self-Regulating Heating Cable Features

- For both hazardous and non-hazardous locations
- Stops pipe and valve freeze down to -40F
- Cable will not overheat or burn out when overlapped
- Suitable for use on metal and plastic pipes
- 10 year warranty

AVAILABLE LENGTHS

	VOLTS	PIPE RATING** WATTS/FT.	100 FT. LENGTH MODEL / UPC	250 FT. LENGTH MODEL / UPC	500 FT. LENGTH MODEL / UPC	1000 FT. LENGTH MODEL / UPC	WEIGHT/FT.
120V	120	3	SR123-100-CT / 40522	SR123-250-CT / 40523	SR123-500-CT / 40538	SR123-1000-CT / 40375	0.080 LBS./FT.
	120	5	SR125-100-CT / 40524	SR125-250-CT / 40525	SR125-500-CT / 48744	SR125-1000-CT / 40377	0.080 LBS./FT.
	120	8	SR128-100-CT / 40526	SR128-250-CT / 40527	SR128-500-CT / 48745	SR128-1000-CT / 40379	0.080 LBS./FT.
	120	10	SR1210-100-CT / 40528	SR1210-250-CT / 40529	SR1210-500-CT / 48742	SR1210-1000-CT / 40428	0.080 LBS./FT.
	VOLTS	**PIPE RATING** WATTS/FT.**	**100 FT. LENGTH MODEL / UPC**	**250 FT. LENGTH MODEL / UPC**	**500 FT. LENGTH MODEL / UPC**	**1000 FT. LENGTH MODEL / UPC**	**WEIGHT/FT.**
240V	240*	3	SR243-100-CT / 40530	SR243-250-CT / 40531	SR243-500-CT / 48747	SR243-1000-CT / 40376	0.080 LBS./FT.
	240*	5	SR245-100-CT / 40532	SR245-250-CT / 40533	SR245-500-CT / 48748	SR245-1000-CT / 40378	0.080 LBS./FT.
	240*	8	SR248-100-CT / 40534	SR248-250-CT / 40535	SR248-500-CT / 48749	SR248-1000-CT / 40380	0.080 LBS./FT.
	240*	10	SR2410-100-CT / 40536	SR2410-250-CT / 40537	SR2410-500-CT / 48746	SR2410-1000-CT / 40382	0.080 LBS./FT.

*Approved for 208, 220, 240, 277 volt operation, refer to wattage adjustment tables for output rating. (See Page 191, Table 4)
**Wattage rating for pipe freeze protection application is determined at 50°F (10°C).
***Also rated for Roof/Gutter De-Icing. Wattage rating is 8 w/Ft determined at 32°F (0°C).

Controls and thermostats should always be used with King heating cable systems.

CT ACCESSORIES FOR NON HAZARDOUS APPLICATIONS

SRK00	Hard wired power connection kit, includes end seal
SRK03	Pipe trace tape (66 ft) and 10 labels per pack
SRK04	2.5" x 50 yards 2 Mil foil tape
SRK08	Plug in 120V connection kit with GFEP device, includes end seal
SRK10	Weatherproof splice/tee kit, includes end seal
SRK12	End seal kit (2 per package)
SRK17	11 & 13mm Gel end seal

CT ACCESSORIES FOR HAZARDOUS APPLICATIONS

CT-9002	CT square box
CT-9003	CT splice connection
CT-9004	CT tee connection
CT-9005	CT end seal

CT-9002

CT-9003

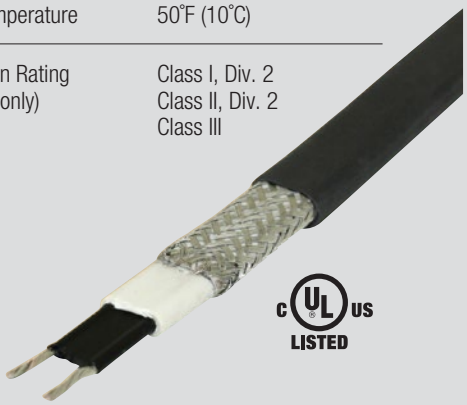
CT-9004

CT-9005

Charts & Tables SR Pipe Trace Cable

Technical Data Table

Maximum operating temperature	150˚F (65˚C)
Maximum exposure temperature	185˚F (85˚C)
Minimum installation temperature	-40˚F (-40˚C)
Minimum bending radius	1" (24mm)
Dimensions	0.496" x 0.236" (12.6mm x 6mm)
Service Voltage	110V-120V, 208V-277V
Wattage rating temperature	50˚F (10˚C)
Hazardous Location Rating (-CT Outer Jacket only)	Class I, Div. 2 Class II, Div. 2 Class III



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For Pipe Freeze Protection and Roof & Gutter De-Icing

Heating Cable Selection for Pipe Freeze Protection

Pipe	Type	5'	10'	15'	20'	25'	30'	35'	40'	45'	50'	55'	60'	65'	70'	75'	80'	85'	90'	95'	100'	125'	150'	175'	200'
1/2"	M	A	B	C	D	E	E	E	F	F	F	G	G	H	H	H	I	I	J	J	J	K	L	M	N
	P	A	B	C	D	E	E	F	F	F	G	G	H	H	H	I	I	J	J	J	K	L	M	N	-
1"	M	A	B	C	D	E	E	E	F	F	F	G	G	H	H	H	I	I	J	J	J	K	L	M	N
	P	B	B	C	D	E	E	F	F	F	G	G	H	H	H	I	I	J	J	J	K	L	M	N	-
1 1/2"	M	A	B	C	D	E	E	E	F	F	F	G	G	H	H	H	I	I	J	J	J	K	L	M	N
	P	B	C	D	E	E	F	F	F	G	G	H	H	H	I	I	J	J	J	K	K	M	N	-	-
2"	M	A	B	C	D	E	E	E	F	F	G	G	H	H	H	I	I	J	J	J	K	L	M	N	-
	P	B	C	E	E	F	G	H	H	I	J	J	K	K	L	L	L	M	M	M	N	-	-	-	-
2 1/2"	M	A	C	C	D	E	F	F	F	G	G	H	H	I	I	J	J	K	K	K	K	L	N	-	-
	P	B	D	E	F	G	H	I	J	K	K	L	L	M	M	N	N	-	-	-	-	-	-	-	-

A	B	C	D	E	F	G	H	I	J
SRP126-6 SRP246-6	SRP126-12 SRP246-12	SRP126-18 SRP246-18	SRP126-24 SRP246-24	SRP126-37.5 SRP246-37.5	SRP126-50 SRP246-50	SRP126-62.5 SRP246-62.5	SRP126-75 SRP246-75	SRP126-87.5 SRP246-87.5	SRP126-100 SRP246-100

K	L	M	N
SRP126-125 SRP246-125	SRP126-150 SRP246-150	SRP246-175	SRP246-200

M = Metal Pipe / P = Plastic Pipe

Add 1 foot to the cable length for each valve or spigot.

Chart is based on the lowest outside temperature of 0°F (-18°C)

with a minimum of 1/2" thick fiberglass insulation. Use 1" insulation for protection down to -20°F (-29°C).

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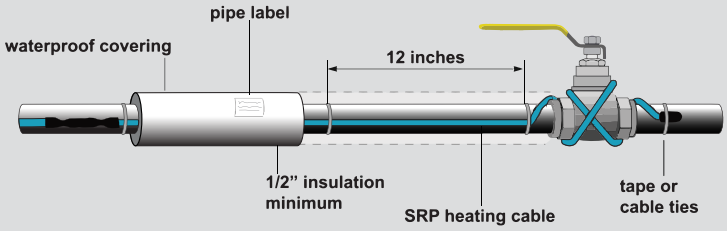
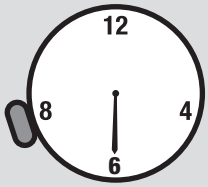
Charts & Tables SR Pipe Trace Cable

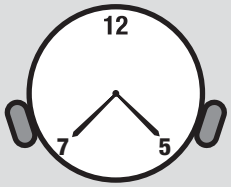
Heating Cable Selection for Pipe Freeze Protection



Use Table 1 to select the cable size for metal pipes and use Table 2 for plastic pipes. Read across the table to find the pipe size, then drop down to the row corresponding to the design air temperature and the thickness of the insulation that will be used. The cell that intersects will give the power (watts/ft.) of the heating cable required, it may also have a (2) in the cell which means 2 cables are required.



Single Cable Location



Double Cable Location

For a single cable, run it straight along the bottom of the pipe in the 4 or 8 o'clock position. If two cables are required, attach them at the 4 and 8 o'clock positions as shown in the figure above.

Table 1 - SR Cable Selection for Metal Pipes (w/ft.)[1]

Lowest Air Temp.	Insulation Thickness	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
0˚F (-18˚C)	1/2"	3	3	3	3	5	5	5	5	8	8	10
	1"	3	3	3	3	3	3	3	5	5	8	8
	1-1/2"	3	3	3	3	3	3	3	3	5	5	5
	2"	3	3	3	3	3	3	3	3	3	5	5
-20˚F (-29˚C)	1/2"	3	5	5	5	5	5	8	8	10	10	*
	1"	3	3	3	3	3	5	5	5	8	8	10
	1-1/2"	3	3	3	3	3	3	3	5	5	8	8
	2"	3	3	3	3	3	3	3	3	5	5	8
-40˚F (-40˚C)	1/2"	5	5	5	5	8	8	10	(2) 8	(2) 8	(2) 10	*
	1"	3	3	3	5	5	5	8	8	8	10	(2) 8
	1-1/2"	3	3	3	3	3	5	5	5	8	8	10
	2"	3	3	3	3	3	3	3	5	5	8	8
	3"	3	3	3	3	3	3	3	3	3	5	5

Table 2 - SR Cable Selection for Plastic Pipes (w/ft.)[1]

Lowest Air Temp.	Insulation Thickness	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
0˚F (-18˚C)	1/2"	3	5	5	5	8	8	8	10	(2) 8	(2) 10	*
	1"	3	3	3	5	5	5	5	5	5	8	8
	1-1/2"	3	3	3	3	3	3	5	8	8	8	10
	2"	3	3	3	3	3	3	3	5	5	8	8
-20˚F (-29˚C)	1/2"	5	5	8	8	10	10	(2) 8	(2) 8	(2) 10	*	*
	1"	3	3	5	5	5	8	8	8	10	(2) 8	(2) 10
	1-1/2"	5	5	5	5	5	5	5	8	8	10	(2) 8
	2"	3	3	3	3	3	5	5	5	8	8	10
-40˚F (-40˚C)	1/2"	8	8	8	8	10	10	(2) 8	(2) 10	*	*	*
	1"	5	5	5	8	8	8	10	10	(2) 8	*	*
	1-1/2"	5	5	5	5	5	8	8	8	10	(2) 8	(2) 10
	2"	5	5	5	5	5	5	5	8	8	10	(2) 8
	3"	3	3	5	5	5	5	5	5	5	8	10

1. Tables are based on using fiberglass insulation or equivalent while maintaining a 40˚F (4˚C) pipe temperature with a 10% safety factor and 20 mph wind speed.

*Contact King for proper cable selection.

Charts & Tables SR Pipe Trace Cable

SR Heating Cable Selection and Design

CALCULATE THE TOTAL HEATING CABLE LENGTH

Cable length = A+B+C+D+E+F

A. Pipe length x number of cables
B. 4 ft. x number of valves
C. 2 ft. x number of flanges, supports, etc.
D. 1 ft. for each power connection
E. 2 ft. for each splice connection
F. 3 ft. for each tee connection
= Total heating cable length

MAXIMUM CIRCUIT LENGTH ALLOWED

Ensure that your circuits do not exceed the maximum circuit length listed in table 3. If necessary, use additional shorter circuits

EXAMPLE

Pipe Size: 2" metal pipe	Valves: 2
Lowest air temp: -20°F	Pipe supports: 12
Insulation thickness: 1"	Power connections: 1
Cable selection: (1) 5w/ft. (from table 1)	Splice connections: 1
Pipe length: 80 ft.	

HEATING CABLE REQUIRED

A. Pipe length x number of cables	80 ft. x 1 = 80 ft.
B. 4 ft. x number of valves	4 ft. x 2 = 8 ft.
C. 2 ft. x number of flanges, supports, etc.	2 ft. x 12 = 24 ft.
D. 1 ft. for each power connection	1 ft. x 1 = 1 ft
E. 2 ft. for each splice connection	1 ft. x 1 = 1 ft
F. 3 ft. for each tee connection	3 ft. x 0 = 0 ft
= Total heating cable length	**114 ft.**

Table 3 - Maximum Single Cable Length

Model	Volts	Watts/ft	Maximum Single Run Length
SR123	120V	3 w/ft.	325 ft. (99M)
SR243	240V	3 w/ft.	650 ft. (198M)
SR125	120V	5 w/ft.	270 ft. (82M)
SR245	240V	5 w/ft.	540 ft. (165M)
SR128	120V	8 w/ft.	210 ft. (64M)
SR248	240V	8 w/ft.	420 ft. (128M)
SR1210	120V	10 w/ft.	180 ft. (55M)
SR2410	240V	10 w/ft.	360 ft. (110M)

Table 4 - Wattage Adjustment (w/ft.)

Model	240V	208V	220V	277V
SR243	3.0	2.5	2.7	3.4
SR245	5.0	4.3	4.6	5.5
SR248	8.0	7.0	7.44	8.6
SR2410	10.0	9.0	9.4	10.5

The maximum length of a single cable run is noted in Table 3 and cannot be exceeded. If the application requires a longer cable run, then multiple cables and additional power circuits must be used.

When using 240 volt SR cable on 208, 220 or 277 volt applications, the power output (wattage) must be adjusted. Refer to Table 4 for the adjusted watts/ft. of the cable when operated at a voltage other than 240 volt.

Circuit protection depends on the length of cable required and the start-up temperature since the cable will draw more power (wattage) when cold. Multiple cables can be run from a single power circuit up to a maximum combined length as noted in Table 5. Larger amperage circuit breakers can handle longer combined cable lengths, but the maximum length for a single cable run does not change. The NEC requires the use of ground fault protection breakers for heating cable.
NOTE: 240 volt cable lengths in Table 5 are also good for 208, 220 and 277 volt.

Table 5 - Circuit Protection Per Combined Cable Length for Pipe Freeze Protection

Cable	Volts	Start up Temp.	15 Amp (ft.)	20 Amp (ft.)	30 Amp (ft.)	40 Amp (ft.)
SR123 3 w/ft.	120V	50°F (10°C)	285	315	315	315
		32°F (0°C)	265	280	290	315
		-20°F (-29°C)	220	250	275	275
SR125 5 w/ft.	120V	50°F (10°C)	225	275	275	275
		32°F (0°C)	220	260	265	275
		-20°F (-29°C)	195	230	230	230
SR128 8 w/ft.	120V	50°F (10°C)	200	230	240	240
		32°F (0°C)	135	210	225	225
		-20°F (-29°C)	135	180	210	210
SR1210 10 w/ft.	120V	50°F (10°C)	140	170	215	215
		32°F (0°C)	130	160	170	170
		-20°F (-29°C)	75	110	140	160
SR243 3 w/ft.	240V	50°F (10°C)	580	623	623	623
		32°F (0°C)	544	557	580	623
		-20°F (-29°C)	456	502	548	548
SR245 5 w/ft.	240V	50°F (10°C)	466	547	547	547
		32°F (0°C)	456	518	523	540
		-20°F (-29°C)	407	456	460	460
SR248 8 w/ft.	240V	50°F (10°C)	403	459	480	480
		32°F (0°C)	270	406	445	445
		-20°F (-29°C)	285	354	420	420
SR2410 10 w/ft.	120V	50°F (10°C)	298	334	426	426
		32°F (0°C)	265	321	334	334
		-20°F (-29°C)	167	216	275	320

SR/SRP Pipe Freeze Protection Accessories

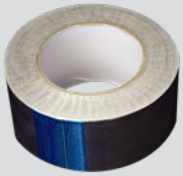
SRK00 Hard Wired Power Connection Kit
Contains labels, pipe mounting bracket, box connector, wire nuts and heat shrink tubing to make electrical supply connection to a metal junction box. Includes one end seal.

SRK02 Connection Kit
Contains heat shrink tubing and woven braid. Also includes one end seal.

SRK10 Splice and Tee Kit
Contains heat shrink tubing and other materials to make one splice or one tee connection. Also includes one end seal.

SRK08 Plug in 120V Connection Kit with GFEP Device
Contains labels, GFEP protection device with 120V plug, cable ties, crimp type connectors, heat shrink tubing and labels. Includes one end seal.

SRK12 End Seal Kit
Contains heat shrink tubing and other materials to make two end seals.



SRK04
2.5" x 50 yards 2 mil Foil tape

SRK03 Tape
Pipe trace tape and labels.

IFC12
Plug in fixed thermostat

TRF115-005
Freeze Protection Thermostat

SRK17
11 & 13mm Gel end seal

SRK18
Lighted end seal

MODEL	UPC	DESCRIPTION	WEIGHT
SRK00	40462	Hard wired power connection kit, includes end seal	0.3 lbs.
SRK02	40461	Connection kit, includes end seal	0.3 lbs.
SRK03	40464	Pipe trace tape (66ft) and 10 labels per package	1.0 lbs.
SRK04	61713	2.5" x 50 yards 2 mil foil tape	1.6 lbs.
SRK08	40466	Plug in 120V connection kit with GFEP device, includes end seal	1.0 lbs.
SRK10	40468	Weatherproof splice/tee kit, includes end seal	0.2 lbs.
SRK12	40470	End seal kit (2 per package)	0.1 lbs.
SRK17	40477	11 & 13mm Gel end seal	0.1 lbs.
SRK18	40512	Lighted end seal, 85-277V	0.3 lbs.
IFC12	40490	Plug in fixed thermostat, 120V, 15 amp, on at 35°F off at 45°F (12/case)	0.3 lbs.
TRF-115-005	40486	Freeze protection thermostat, weatherproof with 5 ft. remote bulb & capillary, 25 amp at 120/208/240V, 22 amp at 277V, adjustable temp 0°F, suitable for 24 VAC operation (w/Power-On indicator light)	0.3 lbs.

PYRO FPC Freeze Protection Controller

FPC-02-120

PYRO FPC Freeze Protection Controller

Freeze Protection Controller and a Power panel for heat tracing, ice and snow melt applications.

When the temperature drops below the pre-defined, adjustable set-points, the contactor is activated energizing the heating elements. The Technician Settings mode enables an installer, or a technician to adjust the parameters for customized installations using the electronic controller installed in the front panel.

- Up to 30A & 120/240V outputs to the heaters
- Hold-On (Time delay) adjustable range of up to 99 hours
- Temperature input from the provided temperature sensor (10 m. / 30 feet long) and also from a 3rd party aquastat
- Integrated electronic controller with backlit LCD display
- Integral 30mA GFEP allows manual reset from the front panel
- Adjustable Set-points, Hold ON/OFF Time delay and manual ON duration
- Manual and Automatic modes, selected by a button
- Testing/commissioning mode for easy and fast system test, all year long (even during summer or at high temperature condition)
- Multiple sensors input-optional
- ETL listed

MODEL	UPC	Item	Description
FPC-02-120	19112	Pyro FPC Freeze Protection Controller	Freeze Protection Controller 120V, 30A, w/GFEP
FPC-02-240	19113	Pyro FPC Freeze Protection Controller	Freeze Protection Controller 240V, 30A, w/GFEP

**Controls and thermostats should always be used with King heating systems.

PYRO Pipe Trace System

Innovative Zone Based Control System For Pipe Trace Heating Cable.
The Ultimate Controller For Industrial, Commercial and Residential.

PYROBOX5/19

PYROBOX3/19 & 3C/19

PYROCON19

PYRO Pipe Trace System

The unique staggering feature of the PYRO TRACE control keeps pipes from freezing, without the need to upgrade the power supply on site. Use a high demand heating system on a limited power supply by controlling up to 3 different zones. The modular design allows customers to choose the right configuration for the specific property needs.

Enables use of high demand heating system on a limited power supply source. Modular: Up to 3 circuits/contactors.
Up to 600v & 130A Sequence of zoning 1/2 + auxiliary (such as gutter sensor). Suitable for parallel, star & triangle connection.
North American consideration operating algorithm.

- Adjustable temperature sensor
- Interface provided for B.M.S. and SmartHome using Bacnet or ModBus over RS485 communication wires
- Adjustable cycle time between zones
- Adjustable delay (Hold on Time)
- Adjustable on and off
- Logical setting for installer / set up & service
- Second input for temperature switch
- User friendly programming and adjusting
- Integrated Fault Detector. GFCI non class A
- Adjustable trip setting
- Non obtrusive adjustable snow sensor
- Electrical and Hydronic freezing applications Manual mode

MODEL	UPC	Item	Description
PYROBOX3C TRACE	33768	Power Box 3C Trace	2 Zone Controller, 2-50A/3P Contactors, 3-Phase, 600V Max +1 Zone Aux Controller, 1-30A/2P Contactor, 1-Phase, 300V Max
PYROCON19 TRACE	33763	Main Controller	Controller and User Interface panel

PYROBOX units are complete with PYROCON12 TRACE controller and PYROULS.
**Controls and thermostats should always be used with King heating systems.

Roof/Gutter De-Icing

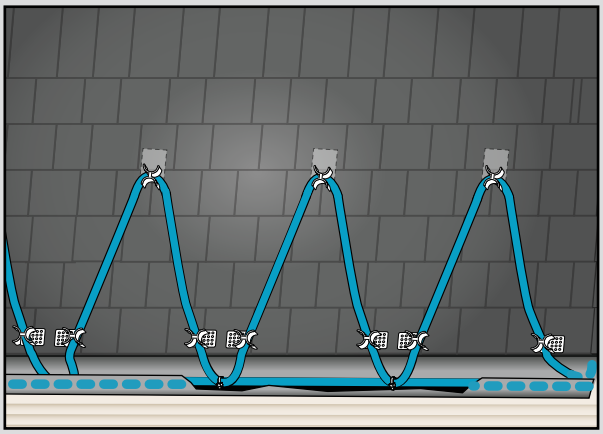
Roof/Gutter De-icing Systems

King's Roof/Gutter De-icing systems helps prevent snow and ice build-up on roofs and gutters. Whether installed on a shake, shingle or metal roof, the SRP & SR will give you the desired results you are looking for. The system is reliable and will not overheat or burn out if overlapped.

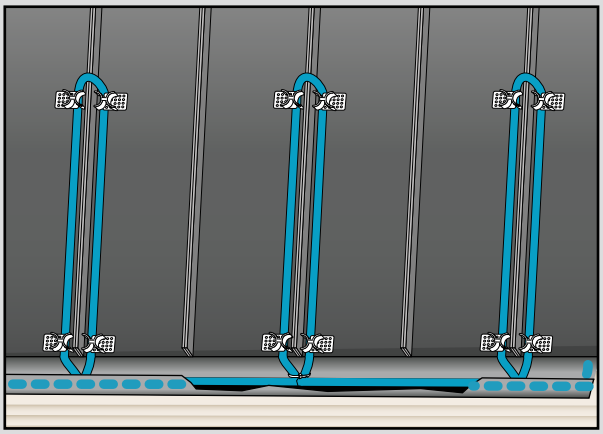
SR Series Self-Regulating Heating Cable is designed for commercial and industrial pipe trace applications. The cable is constructed so that it will not burn out or overheat when overlapped, and can be used on metal and plastic pipes. The cable is available in 100 and 250 ft coils and also 500 and 1,000 ft reels.

SRP Series Self-Regulating Pre-Assembled Heating Cable is designed for a variety of gutter and roof de-icing applications. The cable is constructed so that it will not burn out or overheat when overlapped, and can be used on metallic and nonmetallic downspouts and gutters. The cable is pre-terminated with a 30 inch cold lead and grounded plug

Shake/Shingle Roof Installation



Metal Seam Roof Installation



Pre-Assembled Self-Regulating De-Icing Cable

Pre-Assembled

120 Volt - Grounded Plug

Model Code:

SRP	12	6	-6
A	B	C	D

A: Pre-Assembled Self Reg.
B: 12 - 120V
24 - 240V
C: Watts per foot*
D: Linear Length in feet

SRP Series Self-Regulating Pre-Assembled Heating Cable is designed for a variety of roof & gutter de-icing applications.

SRP Self-Regulating Pre-Assembled Heating Cable Features

- Pre-terminated with 30 inch ground plug and end splice
- Suitable for metallic and nonmetallic gutters and downspouts
- 2 year warranty
- Cable will not overheat or burn out when overlapped
- 16 gauge heating cable bus wire

Intertek

120V

MODEL	UPC	LENGTH	VOLTS	WATTS*
SRP126-6	40400	6 FT.	120	48
SRP126-12	40402	12 FT.	120	96
SRP126-18	40404	18 FT.	120	144
SRP126-24	40406	24 FT.	120	192
SRP126-37	48711	37.5 FT.	120	300
SRP126-50	40408	50 FT.	120	400
SRP126-62	48712	62.5 FT.	120	500
SRP126-75	40410	75 FT.	120	600
SRP126-87	48713	87.5 FT.	120	700
SRP126-100	40412	100 FT.	120	800
SRP126-125	48714	125 FT.	120	1000
SRP126-150	48715	150 FT.	120	1200

*Wattage rating for roof and gutter de-icing application is 8 w/ft determined at 32˚F (0˚C).

240 Volt - Cold Leads

SRP Series Self-Regulating Pre-Assembled Heating Cable is designed for a variety of roof & gutter de-icing applications.

SRP Self-Regulating Pre-Assembled Heating Cable Features

- Cable will not overheat or burn out when overlapped
- Suitable for use on metal and plastic pipes
- 16 gauge heating cable bus wire
- 2 year warranty

Intertek

240V

MODEL	UPC	LENGTH	VOLTS	WATTS*
SRP246-6	42373	6 FT.	240	48
SRP246-12	42374	12 FT.	240	96
SRP246-18	42375	18 FT.	240	144
SRP246-24	42376	24 FT.	240	192
SRP246-37	48716	37.5 FT.	240	300
SRP246-50	42377	50 FT.	240	400
SRP246-62	48717	62.5 FT.	240	500
SRP246-75	42378	75 FT.	240	600
SRP246-87	48718	87.5 FT.	240	700
SRP246-100	42379	100 FT.	240	800
SRP246-125	48719	125 FT.	240	1000
SRP246-150	48720	150 FT.	240	1200
SRP246-175	48721	175 FT.	240	1400
SRP246-200	48722	200 FT.	240	1600

*Wattage rating for roof and gutter de-icing application is 8 w/ft determined at 32˚F (0˚C).

Self-Regulating Roof/Gutter De-Icing Cable

Model Code:

SR	12	3	-250
A	B	C	D

A: Self Regulating Cable
B: 12 - 120V
24 - 240V
C: Watts per foot
D: Linear Length in feet

SR Series Self-Regulating Heating Cable is designed for a variety of industrial and commercial de-icing applications.

SR Self-Regulating Heating Cable Features

- Cable will not overheat or burn out when overlapped
- 2 year warranty
- Suitable for metallic and nonmetallic gutters and downspouts
- Wattage rating is determined at 32˚F (0˚C).

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			AVAILABLE LENGTHS				
	VOLTS	DE-ICING RATING** WATTS/FT.	100 FT. LENGTH MODEL / UPC	250 FT. LENGTH MODEL / UPC	500 FT. LENGTH MODEL / UPC	1000 FT. LENGTH MODEL / UPC	WEIGHT/FT.
120V	120	5	SR123-100 / 40513	SR123-250 / 40414	SR123-500 / 48735	SR123-1000 / 40416	0.080 LBS./FT.
	120	8	SR125-100 / 40514	SR125-250 / 40418	SR125-500 / 48736	SR125-1000 / 40420	0.080 LBS./FT.
	120	12.1	SR128-100 / 40515	SR128-250 / 40422	SR128-500 / 48737	SR128-1000 / 40424	0.080 LBS./FT.
	120	14.8	SR1210-100 / 40516	SR1210-250 / 40426	SR1210-500 / 48733	SR1210-1000 / 40428	0.080 LBS./FT.
240V	VOLTS	DE-ICING RATING** WATTS/FT.	100 FT. LENGTH MODEL / UPC	250 FT. LENGTH MODEL / UPC	500 FT. LENGTH MODEL / UPC	1000 FT. LENGTH MODEL / UPC	WEIGHT/FT.
	240	5	SR243-100 / 40517	SR243-250 / 40430	SR243-500 / 48739	SR243-1000 / 40432	0.080 LBS./FT.
	240	8	SR245-100 / 40518	SR245-250 / 40434	SR245-500 / 48740	SR245-1000 / 40436	0.080 LBS./FT.
	240	12.1	SR248-100 / 40519	SR248-250 / 40438	SR248-500 / 48741	SR248-1000 / 40440	0.080 LBS./FT.
	240	14.8	SR2410-100 / 40520	SR2410-250 / 40442	SR2410-500 / 48738	SR2410-1000 / 40444	0.080 LBS./FT.

**Wattage rating for roof and gutter de-icing application is determined at 32˚F (0˚C).
*Approved for 208, 220, 277 volt operation, refer to wattage adjustment tables for output rating. (See Page 191, Table 4)

Controls and thermostats should always be used with King heating cable systems.

SR ACCESSORIES Refer to page ?? for Roof & Gutter De-Icing Accessories

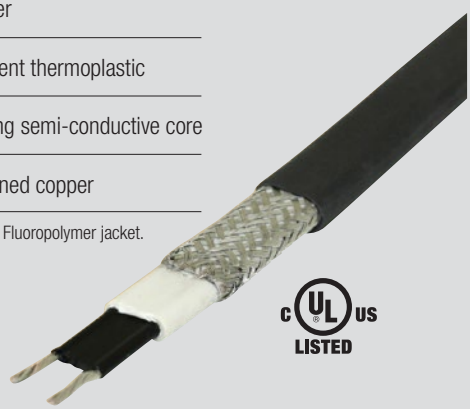
MODEL	UPC	DESCRIPTION	WEIGHT
SRK00	40462	Hard wired power connection kit, includes end seal	0.3 lbs.
SRK02	40461	Connection kit, includes end seal	0.3 lbs.
SRK03	40464	Pipe trace tape (66 ft) and 10 labels per pack	0.1 lbs.
SRK04	61713	2.5" x 50 yards 2 Mil Foil tape	1.0 lbs.
SRK08	40466	Plug in 120V connection kit with GFEP device, includes end seal	1.0 lbs.
SRK10	40468	Weatherproof splice/tee kit, includes end seal	0.2 lbs.
SRK12	40470	End seal kit (2 per package)	0.1 lbs.
SRK17	40477	11 & 13mm Gel end seal	0.1 lbs.
SRK18	40512	Lighted end seal, 85-277V	0.3 lbs.
IFC12	40490	Plug in fixed thermostat, 120V, 15 amp, on at 35°F off at 45°F (12/case)	0.3 lbs.
TRF-115-005	40477	Freeze protection thermostat, weatherproof with 5ft. remote bulb & capillary, 25 amp at 120/208/240V, 22 amp at 277V, adjustable temp 0°F, suitable for 24 VAC operation (w/Power-On indicator light)	0.3 lbs.

Charts & Tables SR Roof/Gutter De-Icing Cable

Cable Construction Table

Outer Jacket	Rugged polyolefin UV jacket
Outer Jacket (-CT)*	Fluoropolymer jacket
Ground Braid	Tinned copper
Inner Jacket	Flame retardent thermoplastic
Core	Self-regulating semi-conductive core
Bus Wire	16 gauge tinned copper

*Add -CT to the end of the model number for Fluoropolymer jacket.



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Technical Data Table

Maximum operating temperature	150˚F (65˚C)
Maximum exposure temperature	185˚F (85˚C)
Minimum installation temperature	-40˚F (-40˚C)
Minimum bending radius	1" (24mm)
Dimensions	0.496" x 0.236" (12.6mm x 6mm)
Service Voltage	110V-120V, 208V-277V
Wattage rating temperature	50˚F (10˚C)
Hazardous Location Rating (-CT Outer Jacket only)	Class I, Div. 2 Class II, Div. 2 Class III

Selecting the Required Heating Cable Length for Roof and Gutter De-icing

How to Calculate the proper Heating Cable Length:

Use the formula below to determine the amount of heating cable required.

Total heating cable length = A+B+C+D

A (Roof edge) x (heating cable multiplier)

B (Roof edge x 0.5)

C (Total gutter length)

D (Total downspout length + 1 ft.)

=Total heating cable length required.

Example: Standard Roof

1. Roof edge = 14 ft.
2. Eave overhang = 1 ft. (Refer to cable multiplier table)
3. Gutter = 14 ft.
4. Downspout = 12 ft.

Heating Cable Required:

Roof edge:	14 ft. x 2.8 (Multiplier from table)	= 39.2 ft.
Roof extension*:	14 ft. x 0.5	= 7.0 ft.
Roof gutter:	14 ft.	=14.0 ft.
Downspout:	12 ft. + 1 ft.	= 13.0 ft.
Total heating cable length required:		= 73.2 ft.

Solution for Example = SRP126-75

*Roof extension is the length of cable required to prevent ice dams between the roof edge and the gutter. When there are no gutters present it forms a drip loop to prevent ice dams at the roof edge.

Heating Cable Multiplier Table

Eave Overhang	**Standard Roof**	**Metal Roof** (18" Seam)	**Metal Roof** (24" Seam)
None	2.0	2.5	2.0
12"	2.8	2.8	2.4
24"	3.8	3.6	2.9
36"	4.8	4.3	3.6

Use the number in the table and multiply it by the length of the roof edge.

Calculations for Gutters, Downspouts and Valleys:

1. For standard non-metal roofs, add 1 foot of heating cable for each foot of gutter.
2. Add 1 foot of heating cable per foot of downspout.
3. If the downspout is in the middle of the run, loop the cable down and back up. Double the length of the downspout for determining the length of cable to install.
4. For valleys, run the heating cable two thirds of the way up and down the valley. Add this additional length to the overall cable.
5. For gutters 6 inches wide use two cable runs.

Heating Cable Selection for Roof/Gutter De-Icing

Calculation For Heating Cable Length

Total heating cable length = A+B+C+D+E+F+G

A (Roof edge) x (heating cable multiplier)
B (Roof edge x 0.5)
C (Total gutter length)
D (Total downspout length + 1 ft.)
E (1 ft. for each power connection)
F (2 ft. for each splice)
G (3 ft. for each tee connection)
=Total heating cable length required.

Example:

1. Roof edge = 48 ft.
2. Eave overhang = 1 ft. (Refer to cable table 6)
3. Gutter = 48 ft.
4. Downspout = 22 ft.
5. Power connection = 2 each
6. Splice = 3 each

Heating Cable Required:

A Roof edge:	48 ft. x 2.8 (From table 6)	= 134.4 ft.
B Roof extension*:	48 ft. x 0.5	= 24.0 ft.
C Roof gutter:	48 ft.	= 48.0 ft.
D Downspout:	22 ft. + 1 ft.	= 23.0 ft.
E Power Connection:	2 x 1 ft.	= 2.0 ft.
F Splice Connection:	3 x 2 ft.	= 6.0 ft.
G Tee Connection:	0 x 3 ft.	= 0 ft.
Total heating cable length required:		= 237.4 ft.

*Roof extension is the length of cable required to prevent ice dams between the roof edge and the gutter. When there are no gutters present it forms a drip loop to prevent ice dams at the roof edge.

Table 6 - Heating Cable Multiplier

Eave Overhang	Standard Roof	Metal Roof 18" Seam	Metal Roof 24" Seam
None	2.0	2.5	2.0
12"	2.8	2.8	2.4
24"	3.8	3.6	2.4
36"	4.8	4.3	3.6

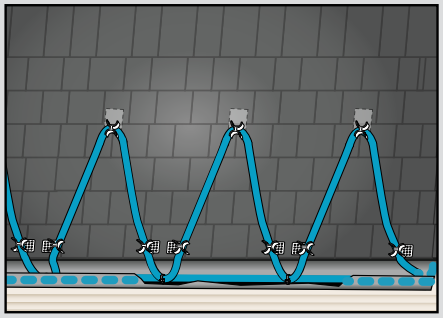
Use the number in the table and multiply it by the length of the roof

Calculations for Gutters, Downspout and Valley

1. For standard non-metal roofs, add 1 foot of heating cable for each foot of gutter.
2. Add 1 foot of heating cable per foot of downspout.
3. If the downspout is in the middle of the run, loop the cable down and back up. Double the length of the downspout for determining the length of the cable to install.
4. For valleys, run the heating cable two thirds of the way up and down the valley. Add this additional length to the overall cable.
5. For gutters 6 inches wide use two cable runs.

Design Notes

1. In-line splices and tee splices should be avoided where possible.
2. Heating cable in downspouts should be looped and extend below the frost line if tied into a drainage system.
3. End terminations should not be located in an area where moisture is present. End terminations should not be located at the lowest point of downspouts.
4. For roof drains leading into a heated area, a loop of heating cable should be installed to a depth of 3 ft.



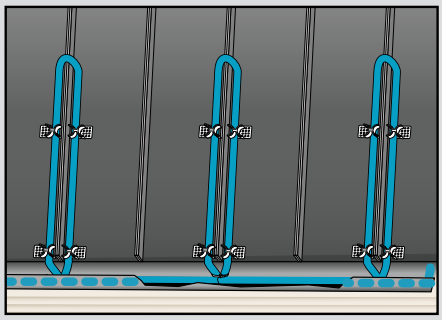


Table 7 - Tracing Heights for Shake/Shingle Roof

Eave Overhang	Tracing Width	Tracing Height	Cable/Roof Edge
None	24"	18"	2.0 ft.
12"	24"	18"	2.8 ft.
24"	24"	30"	3.8 ft.
36"	24"	42"	4.8 ft.

The last column gives the amount of cable required per foot of roof edge for standard shake and shingle roof (table 7) or a metal seam roof (table 8).

Table 8 - Tracing Heights for Metal Seam Roof

Eave Overhang	Tracing Width	Tracing Height	Cable/Roof Edge
None	18"	18"	2.5 ft.
12"	18"	24"	2.8 ft.
24"	18"	36"	3.6 ft.
36"	18"	48"	4.3 ft.
None	24"	18"	2.0 ft.
12"	24"	24"	2.4 ft.
24"	24"	36"	2.9 ft.
36"	24"	48"	3.6 ft.

Table 9 - Circuit Breaker Protection for De-icing

Cable	Volts	Start up Temp.	15 Amp (ft.)	20 Amp (ft.)	30 Amp (ft.)	40 Amp (ft.)
SR123	120V	32˚F (0˚C)	273	273	273	273
		20˚F (-7˚C)	254	268	273	273
		0˚F (-18˚C)	213	255	273	273
		-20˚F (-29˚C)	182	248	273	273
SR243	240V	32˚F (0˚C)	547	547	547	547
		20˚F (-7˚C)	501	547	547	547
		0˚F (-18˚C)	426	547	547	547
		-20˚F (-29˚C)	368	492	547	547
SR125	120V	32˚F (0˚C)	188	216	216	216
		20˚F (-7˚C)	166	216	216	216
		0˚F (-18˚C)	144	193	216	216
		-20˚F (-29˚C)	127	173	216	216
SR245	240V	32˚F (0˚C)	381	432	432	432
		20˚F (-7˚C)	331	432	432	432
		0˚F (-18˚C)	292	387	432	432
		-20˚F (-29˚C)	258	347	432	432
SR128	120V	32˚F (0˚C)	126	168	171	171
		20˚F (-7˚C)	118	157	171	171
		0˚F (-18˚C)	103	136	171	171
		-20˚F (-29˚C)	92	123	168	171
SR248	240V	32˚F (0˚C)	257	342	347	347
		20˚F (-7˚C)	235	311	347	347
		0˚F (-18˚C)	204	268	347	347
		-20˚F (-29˚C)	184	244	347	347
SR1210	120V	32˚F (0˚C)	102	143	152	152
		20˚F (-7˚C)	97	126	152	152
		0˚F (-18˚C)	88	117	152	152
		-20˚F (-29˚C)	76	104	152	152
SR2410	240V	32˚F (0˚C)	172	226	312	312
		20˚F (-7˚C)	159	215	312	312
		0˚F (-18˚C)	150	197	298	312
		-20˚F (-29˚C)	138	182	273	312

Technical Data Notes:

1. The maximum single cable run is the longest length of heating cable before there is a significant voltage drop which will lower the wattage rating of the cable.
2. The circuit breaker sizes in Table 9 are per the National Electric Code (NEC).

Table 10 - Technical Data Ratings

Technical Data Table	
Maximum operating temp.	150˚F (65˚C)
Maximum exposure temp.	185˚F (85˚C)
Minimum installation temp.	0˚F (-18˚C)
Minimum bending radius	1" (24mm)
Dimensions	0.496" x 0.236" (12.6mm x 6mm)
Service voltage	110-120V, 208V-277V

Table 11 - Maximum Single Run Length

Model	Volts	Output at 32˚F (0˚C)	Maximum Single Run Length
SR123	120V	5.0 w/ft.	273 ft. (83M)
SR243	208V	4.1 w/ft.	530 ft. (129M)
	240V	5.0 w/ft.	547 ft. (161M)
	277V	5.9 w/ft.	590 ft. (180M)
SR125	120V	8.0 w/ft.	216 ft. (66M)
SR245	208V	7.1 w/ft.	397 ft. (121M)
	240V	8.0 w/ft.	432 ft. (132M)
	277V	9.0 w/ft.	466 ft. (142M)
SR128	120V	12.1 w/ft.	171 ft. (52M)
SR248	208V	11.4 w/ft.	312 ft. (95M)
	240V	12.1 w/ft.	347 ft. (106M)
	277V	13.0 w/ft.	385 ft. (117M)
SR1210	120V	14.8 w/ft.	152 ft. (46M)
SR2410	208V	14.2 w/ft.	274 ft. (83M)
	240V	14.8 w/ft.	312 ft. (95M)
	277V	15.8 w/ft.	346 ft. (106M)

Table 12 - Circuit Length Adjustments

Model	208V	277V
SR243	0.97	1.08
SR245	0.92	1.08
SR248	0.90	1.11
SR2410	0.88	1.11

Circuit length adjustments for 240V cables operated 208V and 277V are noted in Table 12

3. The NEC requires ground-fault equipment protection (GFEP) for fixed outdoor de-icing equipment. All electrical connections should be made by a licensed electrician.

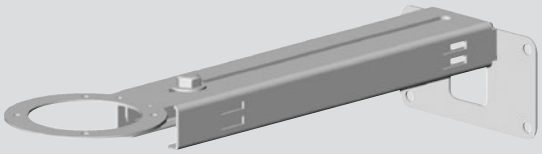
PYRO Snow Melt/De-Icing System

PYROBOX5/19

PYROBOX3/19 & 3C/19

PYROULS

PYROSENSE/19



PYROSB

PYROCON19

PYRO De-Icing System

The unique staggering feature of the PYRO control melts snow & ice over larger areas, without the need to upgrade the power supply on site. Use a high demand heating system on a limited power supply source by controlling up to 5 different zones. The modular design allows customers to choose the right configuration for the specific property needs.

Enables use of high demand heating system on a limited power supply source. Modular: Up to 5 circuits/contactors. Up to 600V & 600A

Sequence of zoning 1/2/3/4/ + auxiliary (such as gutter sensor). Suitable for parallel, star & triangle connection. North American consideration operating algorithm.

- User friendly programming and adjusting
- Interface provided for B.M.S. and SmartHome using Bacnet or ModBus over RS485 communication wires
- Adjustable cycle time
- Adjustable delay (Hold on Time)
- Adjsutable On or Off
- Adjustable trip setting
- No obtrusive adjustable snow sensor
- Integrated Fault Detector. GFCI non class A
- Logical setting for installer / set-up & service
- Surface Upper limit adjustable Temperature Sensor
- Integrated option for universal gutter de-icing sensor
- Programmable & precise snow & ice sensor
- Suitable for electrical & Hydronic de-icing installations

MODEL	UPC	Item	Description
PYROBOX3/19	33765	Power Box 3	4 Zone Controller, 4-30A/2P Contactors, 1-Phase, 277V Max
PYROBOX3C/19	33766	Power Box 3C	2 Zone Controller, 2-50A/3P Contactors, 3-Phase, 600V Max +1 Zone Aux Controller, 1-30A/2P Contactor, 1-Phase, 277V Max
PYROBOX5/19	33767	Power Box 5	4 Zone Controller, 4-50A/3P Contactors, 3-Phase, 600V Max +1 Zone Aux Controller, 1-30A/2P Contactor, 1-Phase, 277V Max
PYROSENSE/19	33764	Snow sensor	Outdoor Snow Sensor
PYROCON19	33762	Main Controller	Controller and User Interface panel
PYROSB	42326	Mounting Bracket	Wall mounting adjustable rust free holding bar

PYROBOX units are complete with PYROCON19 controller and PYROULS. Order PYROSENSE and PYROSB separately.

**Controls and thermostats should always be used with King heating systems.

SR/SRP Roof & Gutter Accessories

SRK02 Connection Kit
Contains heat shrink tubing and woven braid. Also includes one end seal.

SRK10 Splice and Tee Kit
Contains heat shrink tubing and other materials to make one splice or one tee connection. Also includes one end seal.

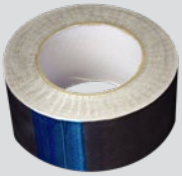
SRK12 End Seal Kit
Contains heat shrink tubing and other materials to make two end seals.

SRK08 Plug in 120V Connection Kit with GFEP Device
Contains labels, GFEP protection device with 120V plug, cable ties, crimp type connectors, heat shrink tubing and labels. Includes one end seal.

SRK15 Downspout
Downspout hanger and cable ties.

SRK13 Clip
Roof clip for mounting cable

SRK14
3M VHB double sided acrylic foam pads
For use with SRK13 clips in metal gutter



SRK04
2.5” x 50 yards 2 mil Foil tape

SRK17
11 & 13mm Gel end seal

MODEL	UPC	DESCRIPTION	WEIGHT
SRK02	40461	Connection kit, includes end seal	0.3 lbs.
SRK04	61713	2.5” x 50 yards 2 mil foil tape	1.6 lbs.
SRK08	40466	Plug in 120V connection kit with GFEP device, includes end seal	1.0 lbs.
SRK10	40468	Weatherproof splice/tee kit, includes end seal	0.2 lbs.
SRK12	40470	End seal kit (2 per package)	0.1 lbs.
SRK13	40472	Roof clip (25 per package)	0.2 lbs.
SRK14	40473	3M VHB double sided acrylic foam pads (25 per package)	0.1 lbs.
SRK15	40476	Downspout hanger and cable ties	0.3 lbs.
SRK17	40477	11 & 13mm Gel end seal	0.1 lbs.

Roof/Drain De-Icing System

Note: Roof/Drain Jigs do not include the heating cable.
Consult the installation inspections for sizing the cable length to the jig.

With the introduction of membrane & rubber roofing materials, the attachment of de-icing cables to the roof has presented a dilemma for roofing specialists. A major concern of property owners is the damage caused by ice damming. The roof drain de-Icing jig was created with several things in mind. The jig is lightweight, inexpensive, and uses SRG series de-icing cable without anchoring through the roof membrane. It is easy to customize to job conditions in the field. It adapts easily for use in canales and scuppers on southwestern and flat roof style architecture, both commercial and residential. It is easy to install with small hand tools.

4RDDJ22

6RDDJ22

3625R14 RAY

MODEL	UPC	DESCRIPTION
4RDDJ22	40509	Canale/Scupper Jig, consists of 1 frame and 4 rays
6RDDJ22	40510	Flat Roof Drain Jig, consists of 1 frame and 6 rays
3625R14 RAY	40511	Cable Keeper / RDDJ-Grid

Call for availability on additional ETI controls not shown above.