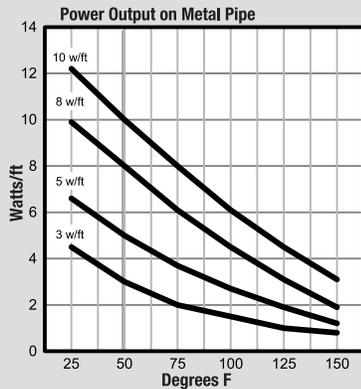


Self-Regulating Pipe Trace Cable



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



AVAILABLE LENGTHS

		PIPE RATING**	100 FT. LENGTH	250 FT. LENGTH	500 FT. LENGTH	1000 FT. LENGTH	WEIGHT/FT.
		WATTS/FT.	MODEL / UPC	MODEL / UPC	MODEL / UPC	MODEL / UPC	
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.
240V		PIPE RATING**	100 FT. LENGTH	250 FT. LENGTH	500 FT. LENGTH	1000 FT. LENGTH	WEIGHT/FT.
		WATTS/FT.	MODEL / UPC	MODEL / UPC	MODEL / UPC	MODEL / UPC	
	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.

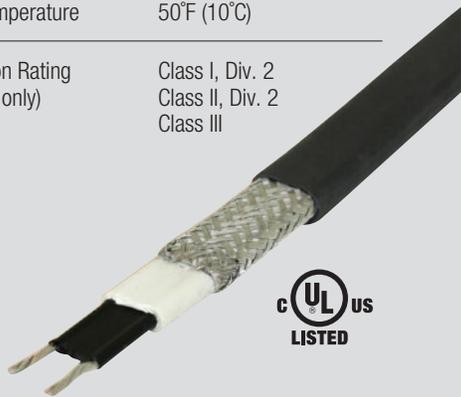
SR ACCESSORIES Refer to page ?? for Pipe Freeze Protection Accessories

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.

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



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

SRP126-12

SRP126-18

SRP126-24

SRP126-37.5

SRP126-50

SRP126-62.5

SRP126-75

SRP126-87.5

SRP126-100

SRP246-6

SRP246-12

SRP246-18

SRP246-24

SRP246-37.5

SRP246-50

SRP246-62.5

SRP246-75

SRP246-87.5

SRP246-100

K

L

M

N

SRP126-125

SRP126-150

SRP246-175

SRP246-200

SRP246-125

SRP246-150

M = Metal Pipe / P = Plastic Pipe

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

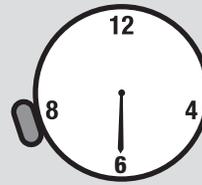
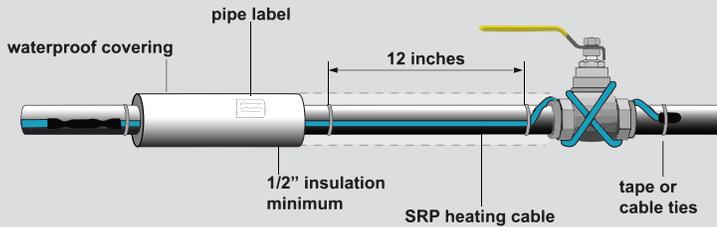
Chart is based on the lowest outside temperature of 0°F (-18°C)

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

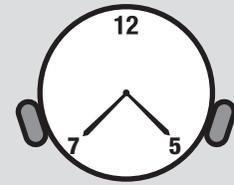


Charts & Tables SR Pipe Trace Cable

Heating Cable Selection for Pipe Freeze Protection



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.

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.

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
-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
-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.

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.



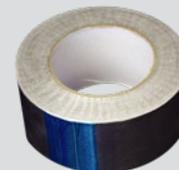
SRK08 Plug in 120V Connection Kit with GFEP Device

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.