



120V Preassembled Heating Cables

RFG-R and RFG-P Series

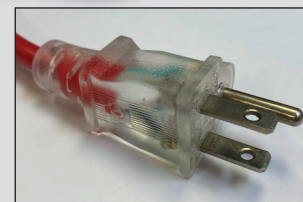


120V Preassembled Heating Cable

RFG-P Series

Pipe Tracing for Freeze Protection

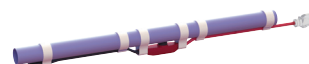
- 7 Watts per foot.
- For indoor and outdoor applications.
- Built-in bi-metal thermostat energizes the cable when the temperature falls below 4 °C (40 °F).
- Do not use more than ½ inch of insulation.
- For metallic and non-metallic pipes.
- Grounded 3-pronged plug with indicator light to show when the cable is powered on.
- Must be plugged into a 120V outlet fitted with ground fault protection device (GFCI).



Select the proper heating cable(s)

Pipe length	Pipe diameter				
	1/2"	3/4"	1"	1.25"	1.5"
4'	3	3	3	3 + 3	3 + 3
5'	3	3	3 + 3	3 + 3	3 + 3
6'	6	6	6	6	6
7'	6	6	6	3 + 6	3 + 6
8'	6	6	6	3 + 6	3 + 6
10'	9	9	9	9	6 + 6
11'	9	9	9	6 + 6	6 + 6
13'	12	12	12	12	6 + 9
14'	12	12	12	6 + 9	6 + 9
15'	15	15	15	15	15
16'	15	15	15	15	9 + 9
17'	15	15	15	9 + 9	9 + 9
20'	18	18	18	18	9 + 12
22'	12 + 12	12 + 12	12 + 12	12 + 12	12 + 12
26'	24	24	24	12 + 15	12 + 15
28'	12 + 15	12 + 15	12 + 15	12 + 15	12 + 18
35'	18 + 18	18 + 18	18 + 18	18 + 18	18 + 18
45'	18 + 24	18 + 24	18 + 24	18 + 24	24 + 24
50'	24 + 24	24 + 24	24 + 24	24 + 24	12 + 40
55'	24 + 30	24 + 30	24 + 30	24 + 30	18 + 40
65'	6 + 60	6 + 60	6 + 60	6 + 60	6 + 60
70'	30 + 40	30 + 40	30 + 40	30 + 40	12 + 60
75'	15 + 60	15 + 60	15 + 60	15 + 60	15 + 60

Single Cable Mounting



Dual Cable Mounting



Example :

- 3 means you need one 3' heating cable.
 - 3 + 3 means you need two 3' heating cables.
 - 3 + 6 means you need one 3' heating cable with one 6' heating cable.
 - For pipe sizes minimum or for more information, contact Technical Support.
 - This design guide is based on the generally accepted maintenance temperature (4°C /40°F) for freeze protection.
 - This design guide is calculated based on 1/2" fiberglass insulation.
- Closed-cell flexible foam insulation may also be used.

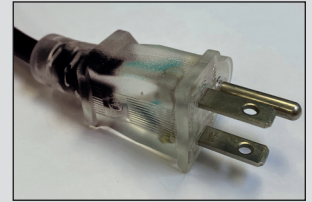
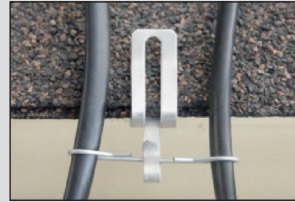
*This chart should only be used as a reference and does not guarantee any results.
Always refer to the installation manual.*

120V Preassembled Heating Cable

RFG-R Series

Roof and Gutter De-icing

- 5 Watts per foot.
- For residential outdoor applications only.
- Do not use on roofs with wooden shingles, rubber roofs or composite (tar and gravel) roofs.
- Do not use this product on wooden gutters or downspouts.
- Roof clips for cable and spacers included.
- Grounded 3-pronged plug with indicator light to show when the cable is powered on.
- Must be plugged into a 120V outlet fitted with ground fault protection device (GFCI).



Select the proper heating cable(s)

- 1 Measure the roof overhang and choose the right multiplier (Figure 1).
- 2 Measure the roof line (Figure 2, A) where the cable will be applied and multiply by the applicable factor.
- 3 Measure the valleys (Figure 2, B) and multiply the measurement by 2/3.
- 4 Measure the dormers (Figure 2, C).
- 5 Measure the gutters and downspouts (Figure 2, D) and multiply by 2 if you install the cable in parallel (Figure 3).

Figure 1

Overhang length (cm)	Multiplier with gutter (A)	Multiplier without gutter (A)
0	3.9	3.0
30	3.9	3.0
61	5.3	4.5
91	6.8	6.0
122	8.2	7.4

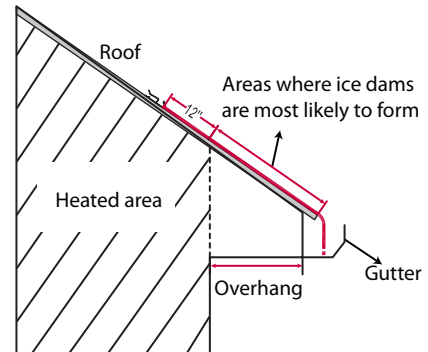
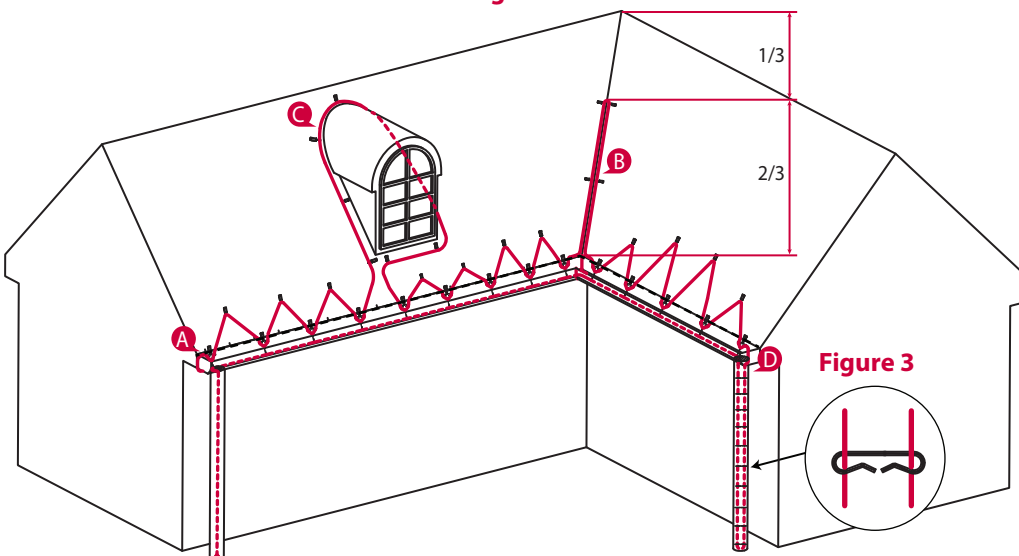


Figure 2



$$\begin{aligned}
 &\text{Cable length required for roof line area (A)} \\
 &+ \\
 &\text{Cable length required for valleys (B)} \\
 &+ \\
 &\text{Cable length required for dormers (C)} \\
 &+ \\
 &\text{Cable length required for downspouts (D)} \\
 &= \text{Total cable length required}
 \end{aligned}$$

Always refer to the installation manual.

RFG-R Models

Product # ¹	Length		Watts
	ft.	m	
RFG-R020	20	6.1	100
RFG-R030	30	9.1	150
RFG-R060	60	18.3	300
RFG-R080	80	24.4	400
RFG-R100	100	30.5	500
RFG-R120	120	36.6	600
RFG-R140	140	42.7	700
RFG-R160	160	48.8	800
RFG-R180	180	54.9	900
RFG-R200	200	61.0	1000
RFG-R240	240	73.2	1200

RFG-P Models

Product # ¹	Length		Watts
	ft.	m	
RFG-P003	3	0.9	21
RFG-P006	6	1.8	42
RFG-P009	9	2.7	63
RFG-P012	12	3.7	84
RFG-P015	15	4.6	105
RFG-P018	18	5.5	126
RFG-P024	24	7.3	168
RFG-P030	30	9.0	210
RFG-P040	40	12.2	280
RFG-P060	60	18.3	420
RFG-P080	80	24.4	560

¹ Must be plugged into a 120V outlet fitted with ground fault protection device (GFCI).

