



BGDC

THERMA-ROOF 120V Preassembled Series Resistance Heating Cable for Roof and Gutter De-icing

Features

Nominal voltage

- 120V.

Linear density

- 5 Watts per foot.

Cold lead length

- 30 in. (0.76 m).

Outer jacket

- PVC.

Bus wire

- Nickel plated copper.

Minimum bend radius

- 1/2 in. (12 mm).

Rating

- Wet rated, for outdoor use (WS).

Included hardware

- Roof clips for cable and spacers.
- Grounded 3-pronged plug with indicator light to show when the cable is on.

Installation

- Never cut or shorten the heating cable.
- For outdoor applications only.
- Minimum installation temperature: -18 °C (0 °F).

Operating temperature

- Max. continuous operating temperature: 25 °C (77 °F).

Warranty

- 2-year basic warranty on the heating cable.

Application

- Roof and gutter de-icing.



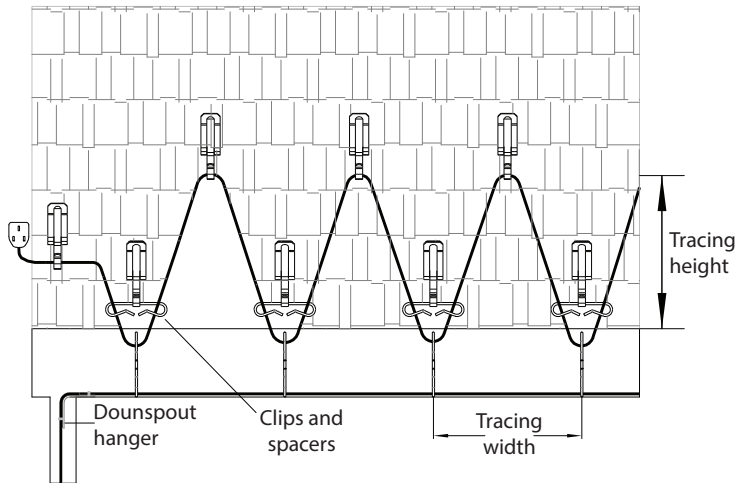


Models

| Product # | Price | Amp. | Length | | Watts |
|-------------|-------|------|--------|------|-------|
| | | | ft. | m | |
| BGDC1-1A020 | | 0.8 | 20 | 6.1 | 100 |
| BGDC1-1A030 | | 1.3 | 30 | 9.1 | 150 |
| BGDC1-1A060 | | 2.5 | 60 | 18.3 | 300 |
| BGDC1-1A080 | | 3.3 | 80 | 24.4 | 400 |
| BGDC1-1A100 | | 4.2 | 100 | 30.5 | 500 |
| BGDC1-1A120 | | 5.0 | 120 | 36.6 | 600 |
| BGDC1-1A140 | | 5.8 | 140 | 42.7 | 700 |
| BGDC1-1A160 | | 6.7 | 160 | 48.8 | 800 |
| BGDC1-1A180 | | 7.5 | 180 | 54.9 | 900 |
| BGDC1-1A200 | | 8.3 | 200 | 61.0 | 1000 |
| BGDC1-1A240 | | 10.0 | 240 | 73.2 | 1200 |

Options

| Product # | Price | Description |
|-------------|-------|---|
| KIT-RF-CLIP | | Roof clips (25) and spacers (15) for series resistance heating cable |
| RCR-U | | Roof and gutter sentry for automatic de-icing control with humidity probe |



An accurate estimate of the cable length you need is very important because you cannot change the cable length by cutting, splicing or altering it in any way. When calculating cable length, there should be a minimum of 2 inches between the bottom of the drop loop and the bottom of the gutter.

The cable must extend above the overhang into the section of the roof above the heated section of the house. In addition, in order to make a continuous path for the melted water, extend the heating cable all the way down to the gutter.

Cable length required for roofline area:

- Determine total length of roof edge (B).
- Multiply (A) and (B) to determine the length of heating cable required for roofing.

| Overhang distance | | Tracing width | | Tracing height | | With gutter multiplier | Without gutter multiplier |
|-------------------|-----|---------------|----|----------------|-----|------------------------|---------------------------|
| in. | cm | in. | cm | in. | cm | A | A |
| No overhang | | 15 | 38 | 22 | 56 | 3.9 | 3.0 |
| 12 | 30 | 15 | 38 | 22 | 56 | 3.9 | 3.0 |
| 24 | 61 | 15 | 38 | 33 | 84 | 5.3 | 4.5 |
| 36 | 91 | 15 | 38 | 44 | 112 | 6.8 | 6.0 |
| 48 | 122 | 15 | 38 | 55 | 140 | 8.2 | 7.4 |
| 60 | 152 | 15 | 38 | 66 | 168 | 9.7 | 8.9 |
| 72 | 183 | 15 | 38 | 77 | 196 | 11.1 | 10.3 |