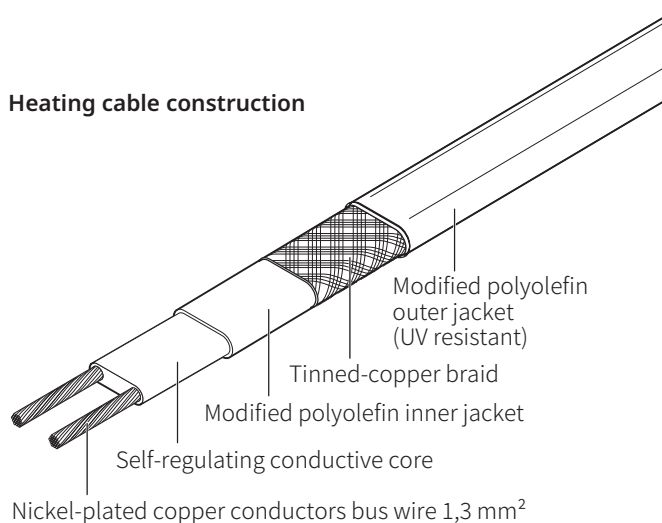


Self-regulating heating cable for pipe freeze protection, roof & gutter snow melting and de-icing

PRODUCT DESCRIPTION

Heating cable construction



Raychem WinterGard H622 heating cable provide pipe freeze protection as well as roof and gutter snow melting and de-icing for following applications:

- Roofs comprising standard roofing materials, including slate, roof tiles, wood, metal, and plastic.
- Gutters of standard materials, including metal, plastic, and wood.
- Drainpipes and other regular water or waste water pipes of standard materials, including metal and plastic.

The heating element of a WinterGard H622 consists of a continuous core conductive polymer extruded between two copper conductors. As current flows through the core, the heating cable regulates its heat output in accordance with ambient conditions. The self-regulating feature eliminates hot spots and results in better temperature control to protect plastic and metal pipes, roof and gutter materials.

ADVANTAGES

Easy-to-install

The WinterGard H622 heating cable parallel circuitry allows it to be cut to the exact length. Such characteristics simplify and streamline the design of both pipes freeze protection and roof and gutter snow melting system.

Installation is quick and simple. Features that make the heating system easy to install in new build and renovation projects.

TECHNICAL DATA

| | |
|---|---|
| Product description and order reference | Raychem WinterGard H622 - 240M (PCN 2000006628) |
| Packaging type | 240 m reel |
| Power output (nominal) | 18 W/m @ 5°C on metal pipe 28 W/m @ 0°C in ice water |
| Supply voltage | 230 Vac |
| Max circuit length | 80 m |
| Minimum installation temperature | -18°C |
| Maximum exposure temperature | 65°C continuous power on (85°C intermittent max 800 hours cumulative) |
| Product dimensions | 10,5 mm x 5,5 mm |
| Conductors | 1,3 mm ² nickel-plated copper |
| Braid/Outer jacket | Tinned-copper braid with modified polyolefin outer jacket |
| Weight | ~110 g/m |
| Minimum bending radius | 13 mm |
| Connection kits | Raychem heat shrink connection kits must be used |

APPROVALS



Raychem WinterGard H622 heating cable is CE approved, only when used with Raychem connection kits and accessories.

HEATING CIRCUIT LENGTHS

| | Rating | Max. circuit length | | | | |
|----------------------|----------|---------------------|------|------|------|------|
| Circuit breaker size | "C-type" | 6 A | 10 A | 13 A | 16 A | 20 A |
| WinterGard H622 | 230 V | 30 m | 50 m | 65 m | 80 m | - |

Maximum circuit length calculated based on minimum start-up temperature @ 0°C, 230 VAC.

ACCESSORIES

| | | |
|-------------|---------------------|---|
| 728129-000 | AT-TS-13 | Electronic thermostat for line sensing or ambient sensing |
| 648945-000 | AT-TS-14 | Electronic line sensing thermostat |
| 946607-000 | JB16-02 | Junction box (grey), IP66, 2x 4 entries, incl. terminal block and M20 power cable gland |
| 734312-000 | CE20-01 | Junction box connection and end seal kit, heat-shrink and M20 heating cable gland |
| 1244-021907 | CCE-06-CR | Cold lead connection and end seal kit, heat-shrink |
| 1244-003202 | TE-01-CR | T-connection and end seal kit, heat-shrink |
| 912791-000 | GM-RAKE | Fixing bracket, stainless steel, includes cable ties |
| 153651-000 | GMK-RC | IceStop fixing plate, aluminium, 50 pc / box |
| 1244-022835 | ELEXANT 650c-Modbus | Din rail mounted controller for Surface Snow Melting & Roof and Gutter De-icing, 2 zones, touchscreen, Modbus, no sensor included |
| 1244-022795 | E650C-R | Moisture and temperature sensor for roof and gutter de-icing, 6 m with zinc mounting bracket |
| 1244-022440 | RAYSTAT V5 | Raystat V5 thermostat, 180 - 253 VAC, IP65 |

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