

Design Guide, Control Units and Accessory

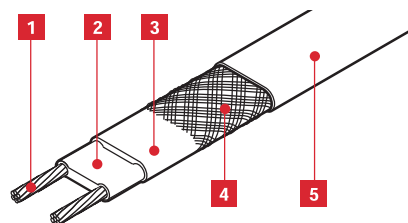
1 HEATING CABLE SELECTION

GM-2X, GM-2XT

Self-regulating heating cable for gutters, drain pipes and roof surfaces:

- 39 W/m in iced water and 18 W/m in air at 0°C

2 COMPOSITION OF GM-2X AND GM-2XT



- 1 Copper conductor (1.2 mm²).
- 2 Self-regulating heating element.
- 3 Insulation made of modified polyolefin.
- 4 Tinned copper braid.
- 5 Protective jacket (UV-resistant) (Modified polyolefin jacket for GM-2X and fluoropolymer jacket for GM-2XT).

Important note: When laying cables on asphalt, bitumen, roofing felt, etc., the cable with the special fluoropolymer jacket (GM-2XT) must be used.

Technical data: see page 78

3 CABLE LENGTH

- The heating cable should be installed in a straight line in the gutter
- The cable lengths should be adjusted according to the geographical situation and the gutters.
- More than one cable should be laid in wide valley, parapet or box gutters.

Gutter length
+ drainpipe length
+ 1 m per connection
+ 1 m in the soil (frost line)
= required heating cable length

4 ELECTRICAL PROTECTION

- The length of heating cable determines the number and size of the circuit breakers.
- Residual current device (rcd) : 30 mA required, max. 500 m heating cable per rcd.
- Installation according to local regulations.
- The power connections must be carried out by an approved electrical installer.
- Use C type circuit-breakers.

Max. length of the heating circuit is based on a minimum switch-on temperature of –10°C, 230 VAC.

	GM-2X, GM-2XT
6A	25 m
10 A	40 m
13 A	50 m
16 A	60 m
20 A	80 m

Snow melting and
deicing of gutters
and downpipes