

# GRX

## Self-Regulating Heating Cable Gutter & Roof De-Icing

**FINE GRX Series** is a heating cable effective for de-icing on roofs, in gutters, and in downspouts. **GRX Series** is designed to withstand a harsh circumstance exposing for long term period to sun light containing high energy.

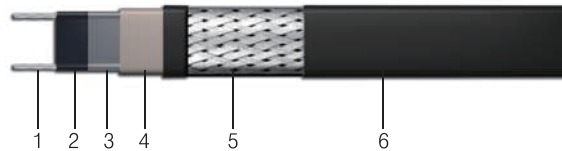
**GRX Series** consists of a continuous core of conductive polymer extruded between two copper bus wires. **GRX Series** regulates its own heat output depending on ambient temperature, as electrical current flows through the core.

The self-regulating function of **GRX Series** is due to PTC (Positive Temperature Coefficient) property, by which the electrical consumption of **GRX Series** is reduced in the application.

Unlike ordinary metal resistance wire which produces heat output corresponding to its length, the core of **GRX Series** is composed of the infinite parallel connection of carbon particles. The parallel circuitry allows the cable to be cut to the exact length required, with no wasted cable.

### Product construction

1. Copper bus wire (15AWG)
2. Self-regulating conductive core
3. Inner adhesive jacket
4. Modified polyolefin jacket
5. Tinned-copper braid
6. Modified polyolefin outer jacket (-CR)  
Fluoropolymer outer jacket (-CT)



### Product characteristics and design information

Nominal power output	40 W/M	in iced water
Max. maintenance temperature	90°C	
Min. installation temperature	-20°C	
Service voltage	GRX1	100 – 120 Vac
	GRX2	200 – 277 Vac

