

GRX Series

Self-Regulating Heating Cable
Gutter & Roof De-Icing



Key Features

- Suitable for de-icing on roofs, in gutters, and in downspouts
- Designed to withstand a harsh circumstance exposing for long term period to sun light containing high energy
- Low power consumption by adjusting heat output automatically based on surface temperature due to the self-regulating conductive polymer core
- Post-treated under elevated temperature in annealing process to give its stability in long-term operation without losing heat output
- Durable, flexible, and excellent heat resistant
- Cut to length installation

Ordering Information

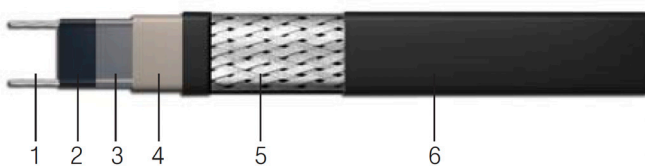
GRX40 - 1 CR
① ②

① Voltage	1	100 - 130V AC
	2	200 - 254V AC
② Material of Outer Jacket	CR	Modified Polyolefin
	CT	Fluoropolymer

Specifications

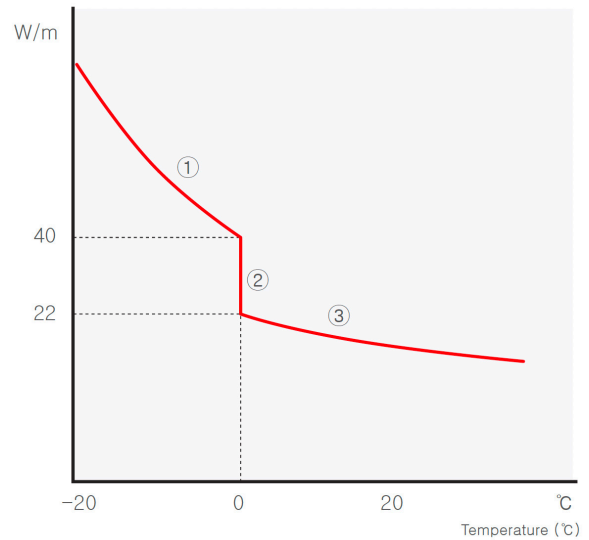
Nominal Power Output (In Iced Water)	40 W/m (12 W/ft)	
Bus Wires	15 AWG	
Continuous Maintenance Temperature	Max. 90°C (194°F)	
Installation Temperature	Min. -20°C (-4°F)	
Supply Voltage	GRX-1	100 - 130V AC
	GRX-2	200 - 254V AC

Product Construction



1. Copper bus wire
2. Self-regulating conductive core
3. Inner adhesive jacket
4. Modified polyolefin jacket
5. Tinned-copper braid
6. Outer jacket

Power Output Graph



1. Heating cable in snow at high power
2. Snow melts and drains away, heating cable in dry air at three quarters power
3. Then heating cable self-regulates in dry air

Max. Length vs. Circuit Breaker Size

[Unit: m]

	Start-up temp.	20A	30A	40A	50A
GRX40 - 1 CR/CT 110V	10°C	30	40	60	-
	0°C	28	37	55	60
	-20°C	23	30	45	55
GRX40 - 2 CR/CT 220V	10°C	60	80	120	-
	0°C	55	75	110	120
	-20°C	45	60	90	110

