

Technical specifications

Power supply	208-277V
Maximum continuous exposure temperature (power on)	120°C
Maximum intermittent exposure temperature, 1000 hours (power on or off)	200°C
Minimum installation temperature	-30°C
Protective braid resistance	< 18.2Ω/km
Bus wire gauge	16AWG
Approvals	Atex / IECEx / EAC / CE



Options

- HGS...C** Tinned copper braid provide additional mechanical protection and a positive ground path
- HGS...CT** High Temperature Fluoropolymer outer jacket are used for exposure to organic or corrosive solutions or vapor may be present.

Description

HGR is a parallel self-limiting heating cable used for freeze protection and temperature maintenance of pipes, valves, flanges and tanks. Self-limiting heating cables increase or decrease the heat output depending on the change of ambient temperature. Because of this a thermostat is not always necessary, the heating cable will never over heat. Heating Group International can provide all the calculations and engineering, the heating cables, accessories as termination kits and all the control equipment.

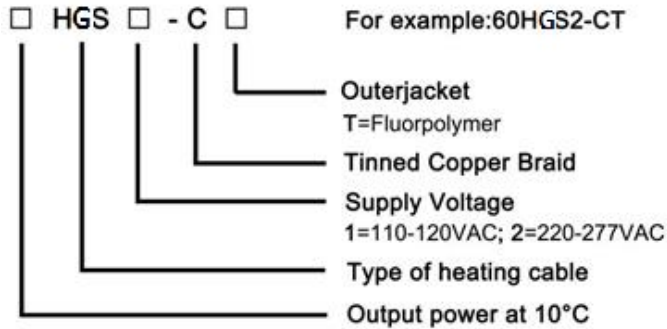
Features

- Energy efficient, automatically varies its power output in response to pipe temperature changes.
- Easy to install, can be cut to any length (up to max circuit length).
- Lower installation costs than steam tracing. Less maintenance costs and downtime.
- No overheat or burnout even when overlapped.
- Suitable for use in hazardous, non hazardous and corrosive environments.

Weight and dimensions

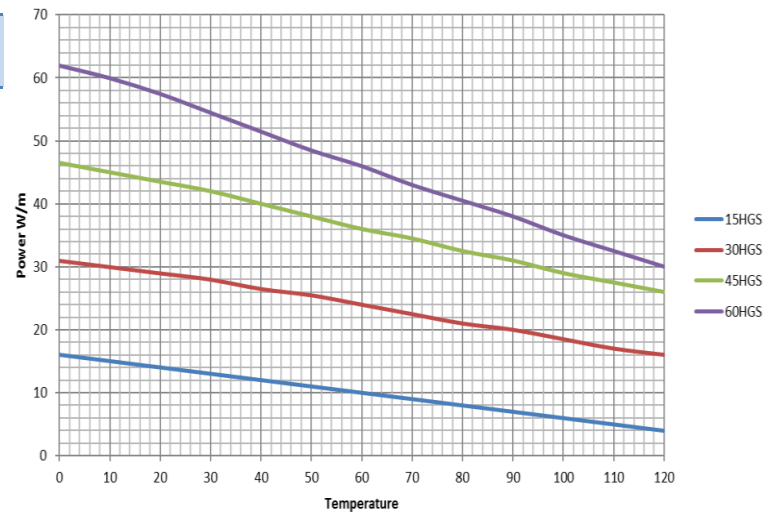
Type	Dimension	Min. Bending radius	Weight (kg/100m)
HGS...C	9,2x3,6mm	21mm	11,2
HGS...CT	10,2x4,6mm	27mm	14,2

Product ordering information



Power output curves

Nominal power output at 230V when HGS installed on insulated metal pipes.



Maximum length (m) vs circuit breaker size

Minimum start-up temperature	CB size Amps	15HGS	30HGS	45HGS	60HGS
		230V m	230V m	230V m	230V m
10°C	10	73	45	31	23
	16	109	72	46	35
	25	146	89	61	46
0°C	10	67	42	28	21
	16	106	67	39	34
	25	130	85	55	43
-20°C	10	64	39	25	20
	16	96	59	38	30
	25	115	79	50	41
-40°C	10	54	35	24	19
	16	87	53	36	29
	25	38	72	49	38