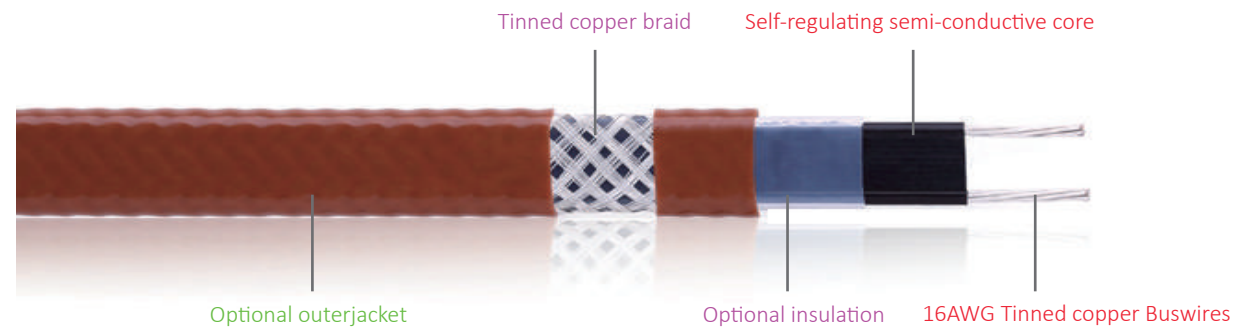


HTP

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) required on site with no wasted cable.
- Lower installed cost than steam tracing, less maintenance expense and less downtime.
- No overheat or burnout even when wrapped over itself (overlapped).
- Suitable for use in non-hazardous, hazardous
- Jiahong power connection, splice, tee and end seal kit will reduce installation time.



Description

HTP increasing or decreasing the heat output in a self-regulating way depending on the change of the ambient temperature, so a thermostat may not necessary in some applications and it will never overheat or burnout even when wrapped over itself (overlapped). With optional outer-jacket, the heating cable is resistant to watery and inorganic chemicals and protects against abrasion and impact damage. HTP is suitable for use in explosion-hazardous areas up to a maximally admissible work-piece temperature of 225 °F (110 °C). Jiahong provides termination, power connection, splice, tee and end seal kit will reduce installation time and require no special skills or tools.

Appliance

HTP, a UL listed self-regulating parallel heating cable (heating tape), is designed for pipe heat tracing in industrial applications, it is configured for use in hazardous and non-hazardous locations, including areas where corrosives may be present. It can provide process-temperature maintenance up to 225 °F (110 °C) and it can also be used for frost protection of large pipes and freeze protection in systems having high heat loss.

Options

- HTP...C** Tinned copper braid provides additional mechanical protection and a positive ground path.
- HTP...CR** Flame retardant thermoplastic outer jacket protects against certain inorganic chemical solutions, it also protects against abrasion and impact damage.
- HTP...CT** High-Temperature Fluoropolymer outer jacket is used for exposure to organic or corrosive solutions or vapors may be present

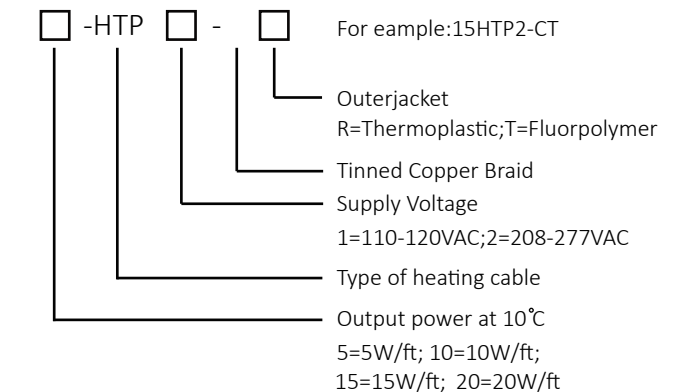
Technical data

Service voltage	110-120V, 208-277V
Maximum maintain or continuous exposure temperature(power on)	+110 °C (225 °F)
Maximum intermittent exposure Temperature, 1000 hours (power on or off)	+135 °C (275 °F)
Minimum installation temperature	-30 °C (-22 °F)
Protective braid resistance	< 18.2 Ω /km
Bus wire gauge	16AWG
Approvals	IECEX / ATEX / EAC / CE

Dimension and weight

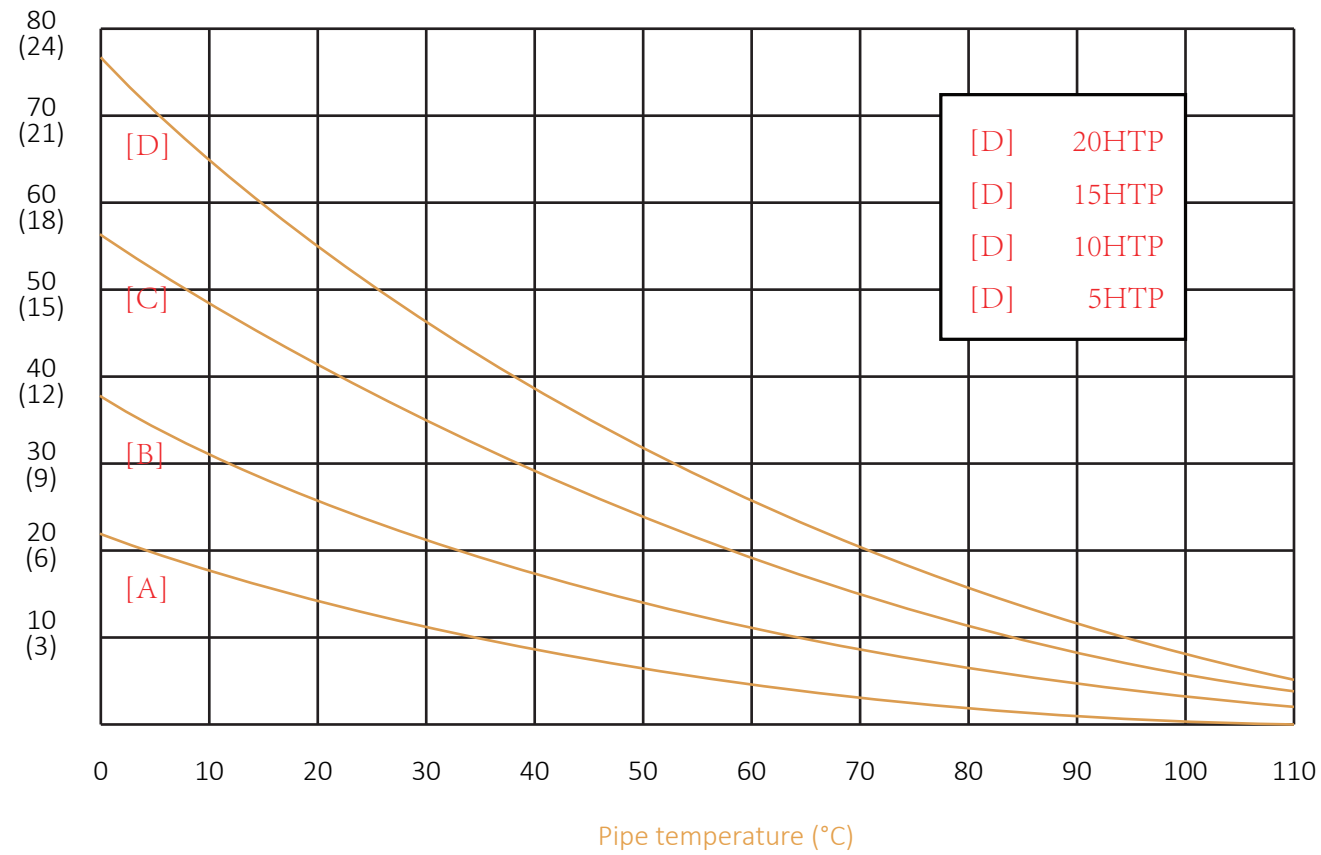
Type	Dimension	Weight (kg/100m)
HTP□	11.4*3.8mm	9.5
HTP□	13.6*6.0mm	11.0
HTP□ T	12.4*4.8mm	13.9

Product ordering information



Power output curves

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



Adjustment factors

Minimum Start-up temperature	Power output		Circuit length	
	208V	277V	208V	277V
5HTP	0.82	1.20	0.96	1.04
10HTP	0.85	1.18	0.94	1.06
15HTP	0.91	1.09	0.91	1.10
20HTP	0.90	1.07	0.91	1.11

Maximum circuit length (in feet) per circuit breaker

	Ambient temperature at start-up		120V				240V			
			15A	20A	30A	40A	15A	20A	30A	40A
5HTP	50 F (10 C)		195	195	195	195	390	390	390	390
	32 F (0 C)		195	195	195	195	390	390	390	390
	14 F (-10 C)		195	195	195	195	370	390	390	390
	0 F (-18 C)		170	170	195	195	340	370	390	390
	-20 F (-29 C)		160	160	195	195	320	340	390	390
10HTP	50 F (10 C)		100	100	195	195	200	265	390	390
	32 F (0 C)		95	95	185	195	190	240	370	390
	14 F (-10 C)		90	90	175	195	180	220	350	390
	0 F (-18 C)		80	80	160	195	160	210	320	390
	-20 F (-29 C)		70	70	145	195	145	195	295	390
15HTP	50 F (10 C)		75	75	150	200	160	210	320	340
	32 F (0 C)		70	70	140	190	140	190	280	340
	14 F (-10 C)		65	65	130	170	135	175	260	340
	0 F (-18 C)		60	60	120	160	125	170	255	340
	-20 F (-29 C)		55	55	110	145	115	155	235	315
20HTP	50 F (10 C)		60	60	120	160	120	160	240	320
	32 F (0 C)		55	55	110	150	110	150	220	300
	14 F (-10 C)		50	50	100	135	100	140	200	270
	0 F (-18 C)		45	45	95	125	95	125	190	255
	-20 F (-29 C)		40	40	85	115	85	115	175	235
		-40 F (-40 C)	40	40	80	110	80	110	165	220

Approvals

