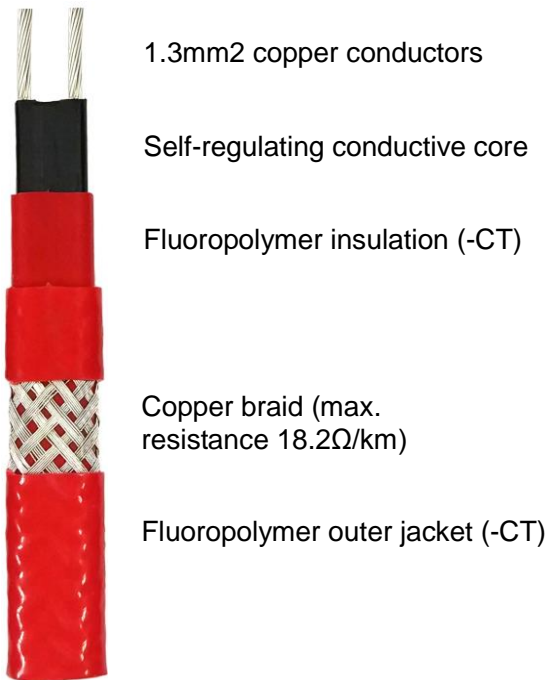


**Heating cable construction**



1.3mm<sup>2</sup> copper conductors

Self-regulating conductive core

Fluoropolymer insulation (-CT)

Copper braid (max. resistance 18.2Ω/km)

Fluoropolymer outer jacket (-CT)

**Description**

The HTV family of self-regulating heating cables provides the solution to freeze-protection, temperature maintenance for pipes, tanks, valves, vessels. HTV heating cables maintain process temperatures up to 120 °C and can withstand intermittent exposure to temperatures up to 200°C.

**Features**

- Lower installed cost than steam tracing, less maintenance expense and less downtime.
- Easy installation due to on-site assembly and can be cut to any length (up to max circuit length) required on site with no wasted cables
- Energy efficient, automatically varies it's power output in response to pipe temperature changes
- Self-limiting, without overheating or burnout even while overlapping
- Installation in residential, commercial, industrial and Ex-area
- 5-year limited warranty against manufacturing defects

**Application**

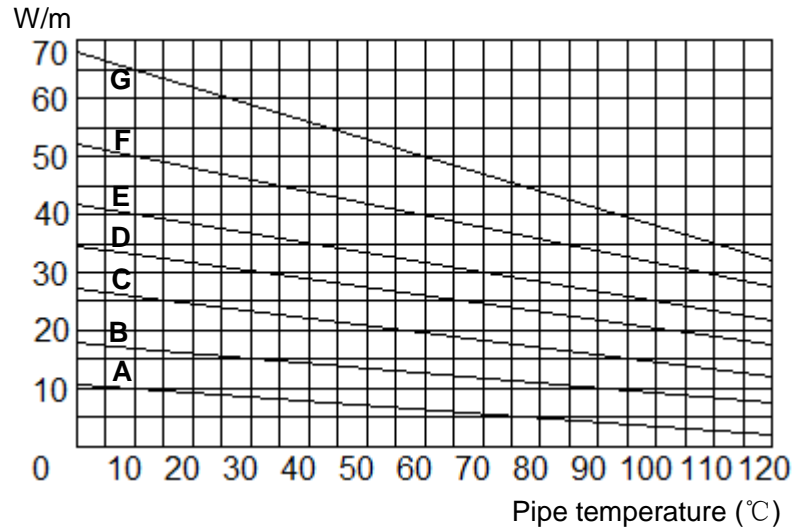
Area classification	Hazardous, Zone 1, Zone 2 (Gas), Zone 21, Zone 22 (Dust) Ordinary
Traced surface type	Carbon steel Stainless steel Painted or unpainted metal
Chemical resistance	For organic corrosives For aggressive organics and corrosives consult your local Xuhui representative

**Specifications**

Supply voltage	230V Contact your local Xuhui representative for data on other voltages
Maximum maintain or continuous exposure temperature (power on/off)	120°C
Maximum intermittent exposure temperature	120°C (power on) 200°C (power off) Maximum cumulative exposure 1000 hours
Temperature classification	T3
Minimum installation temperature	-40°C
Minimum bend radius	at 20°C: 13mm at -40°C: 35mm
Product	HTV-CT
Thickness (mm)	5
Width (mm)	10.5
Weight (g/m)	

**Thermal output rating**

Nominal power output W/m at 230Vac on insulated steel pipes @ 10°C		
A	3HTV2-CT	10
B	5HTV2-CT	17
C	8HTV2-CT	26
D	10HTV2-CT	33
E	12HTV2-CT	40
F	15HTV2-CT	50
G	20HTV2-CT	65



**Maximum circuit length (m)**

based on type “C” circuit breakers according to EN 60898

Electrical protection sizing	Start-up temperature	Maximum heating cable length per circuit (m)						
		3HTV2	5HTV2	8HTV2	10HTV2	12HTV2	15HTV2	20HTV2
16A	10°C	190	150	110	85	70	55	45
	-20°C	160	110	85	70	55	45	35
20A	10°C	220	180	140	100	85	70	55
	-20°C	200	150	110	85	65	55	45
25A	10°C	235	190	140	110	90	75	60
	-20°C	235	170	130	100	80	65	55
32A	10°C	235	190	140	110	90	75	60
	-20°C	235	190	140	110	90	75	60

The above numbers are for circuit length estimation only. For more detailed information please contact your local Xuhui representative. Xuhui requires the use of a 30 mA residual current device to provide maximum safety and protection from fire. Where design results in higher leakage current, the preferred trip level for adjustable devices is 30 mA above any inherent capacitive leakage characteristic of the heater as specified by the trace heater supplier or alternatively, the next common available trip level for non adjustable devices, with a maximum of 300 mA. All safety aspects need to be proven.

**Components**

Xuhui offers a full range of components for power connections, splices and end seals. These components must be used to ensure proper functioning of the product and compliance with electrical requirements.