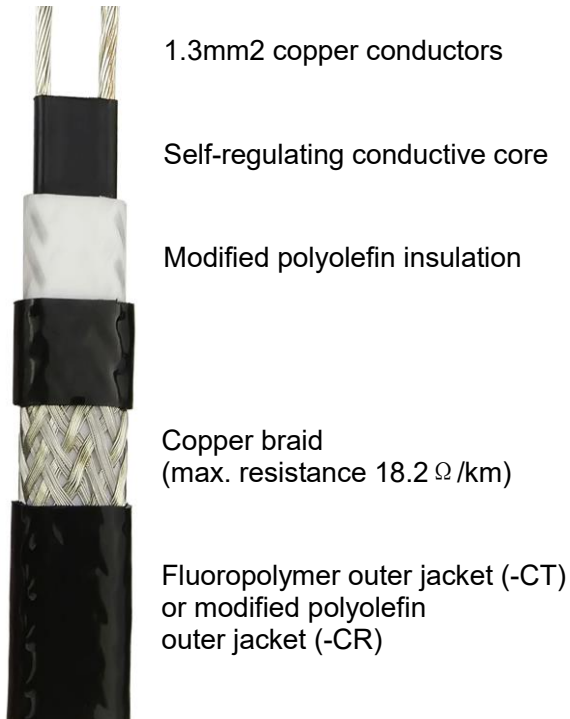


Heating cable construction



Description

The LTV family of self-regulating heating cables provides the solution to freeze-protection, temperature maintenance for pipes, tanks, valves, vessels and roof and gutter de-icing. LTV heating cables maintain process temperatures up to 65°C and can withstand intermittent exposure to temperatures up to 85°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 its 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

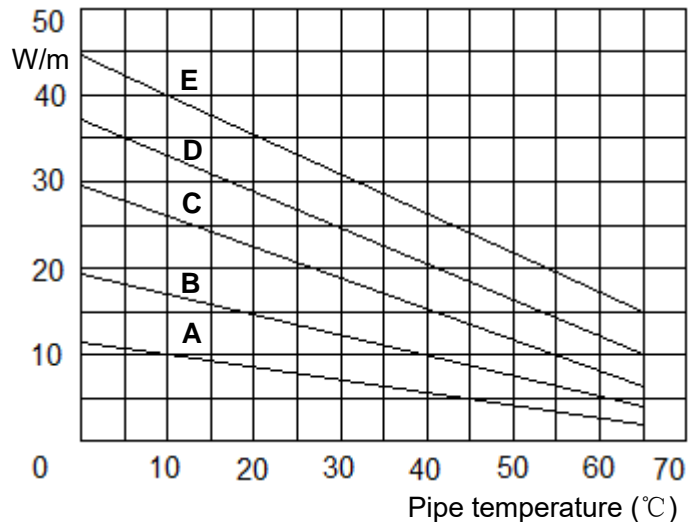
Area classification	Hazardous, Zone 1, Zone 2 (Gas), Zone 21, Zone 22 (Dust) Ordinary
Traced surface type	Carbon steel, Stainless steel Plastic Painted or unpainted metal
Chemical resistance	For organic corrosives: use -CT (fluoropolymer outer jacket) For mild inorganic solutions: use -CR (modified polyolefin outer jacket) 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)	65°C	
Maximum intermittent exposure temperature (power on/off)	85°C Maximum cumulative exposure 1000 hours	
Temperature classification	T6	
Minimum installation temperature	-40°C	
Minimum bend radius	at 20°C: 13mm at -40°C: 35mm	
Product	LTV-CR	LTV-CT
Thickness (mm)	5.5	5
Width (mm)	12	11.5
Weight (g/m)		

Thermal output rating

Nominal power output at 230Vac on insulated steel pipes @ 10°C		W/m
A	3LTV2-CT, 3LTV2-CR	10
B	5LTV2-CT, 5LTV2-CR	17
C	8LTV2-CT, 8LTV2-CR	26
D	10LTV2-CT, 10LTV2-CR	33
E	12LTV2-CT, 12LTV2-CR	40



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)				
		3LTV2	5LTV2	8LTV2	10LTV2	12LTV2
16A	+10°C	200	150	100	65	50
	-15°C	150	100	60	45	35
	-30°C	120	70	45	40	30
20A	+10°C	200	160	120	85	65
	-15°C	190	130	100	55	50
	-30°C	150	100	60	50	35
25A	+10°C	200	160	120	100	90
	-15°C	200	150	100	70	60
	-30°C	170	130	80	65	50
32A	+10°C	200	160	125	110	95
	-15°C	200	160	120	90	75
	-30°C	195	150	100	80	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.