HEAT TRACING SYSTEMS
Griffith House, North Mall, Cork.
Tel : 021 4309722 Fax : 021 4395326
www.heattracingsystems.ie
total competence in electric surface heating

KTV Raychem

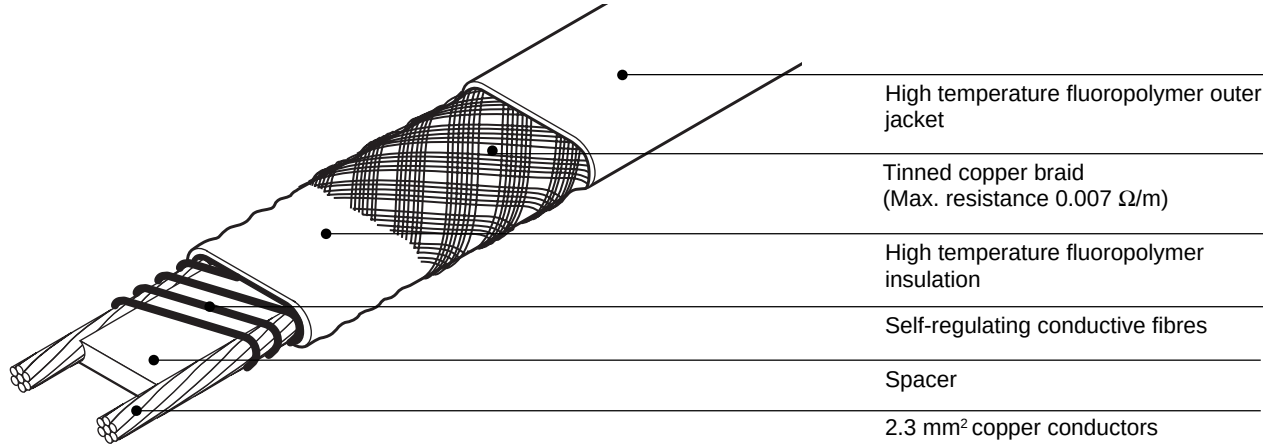
Self-regulating heating cables

Electrical trace-heating for process temperature maintenance applications up to 150°C which may be subject to steam cleaning.

The KTV family of self-regulating, parallel circuit heating cables is used for process temperature maintenance of pipes and vessels.

It can also be used for frost protection of large pipes and for applications requiring high temperature exposure capability.

Heating cable construction

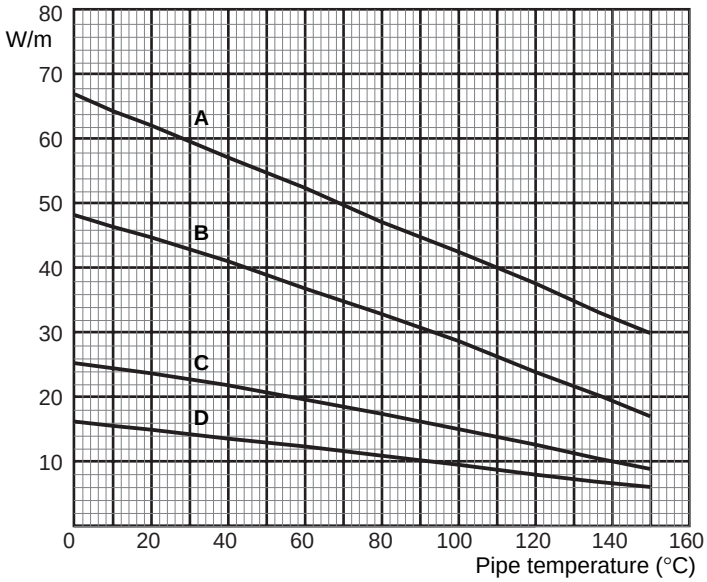


Application	
Area classification	Hazardous, Zone 1 or Zone 2 Ordinary
Traced surface type	Carbon steel Stainless steel Painted
Chemical resistance	Organics and corrosives For aggressive organics and corrosives consult your local Raychem Representative
Supply voltage	230 Vac (Contact your local Raychem Representative for data on other voltages)
Approvals	The KTV heating cables are approved for use in hazardous areas Zone 1 and Zone 2 by PTB and BASEEFA. They are also VDE approved. Ex II 2 G EEx e(m) II 226°C(T2)/T3/T4 PTB 98 ATEX 1104 X Ex II 2 G EEx e II 226°C (T2) BAS98ATEX2336X
Specifications	
Maximum exposure temperature (continuous power on)	150°C
Maximum exposure temperature (intermittent power on)	215°C (20 bar saturated steam) Maximum cumulative exposure 1000 hours
Temperature classification	T2 in accordance with European Standard EN 50 014
Minimum installation temperature	–30°C
Minimum bend radius	at 20°C: 25.4 mm at –30°C: 50.8 mm

Thermal output rating

Minimum power output at 230 Vac on insulated steel pipes

A 20KTV2
B 15KTV2
C 8KTV2
D 5KTV2



To choose the current heating cable for your application use the Selection guide for industrial trace-heating systems: For more detailed information, use the TraceCalc software.

	5KTV2-CT	8KTV2-CT	15KTV2-CT	20KTV2-CT
Power output (W/m at 10°C)	16	25	47	65
Product dimensions (nominal) and weight				
Thickness (mm)	7.6	7.6	7.6	7.6
Width (mm)	13.3	13.3	13.3	13.3
Weight (g/m)	250	250	250	250

Maximum circuit length

Electrical protection sizing	Start-up temperature	Maximum heating cable length per circuit (m)			
16A	–20°C	125	90	55	40
	+10°C	145	105	65	45
25A	–20°C	200	145	90	65
	+10°C	225	165	100	75
32A	–20°C	225	180	115	80
	+10°C	225	180	130	95
40A	–20°C	225	180	130	100
	+10°C	225	180	130	110

The above numbers are for circuit length estimation only. For more detailed information please use the Raychem TraceCalc software or contact your local Raychem representative.
Raychem requires the use of a 30 mA residual current device to provide maximum safety and protection from fire.

Components Raychem 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.