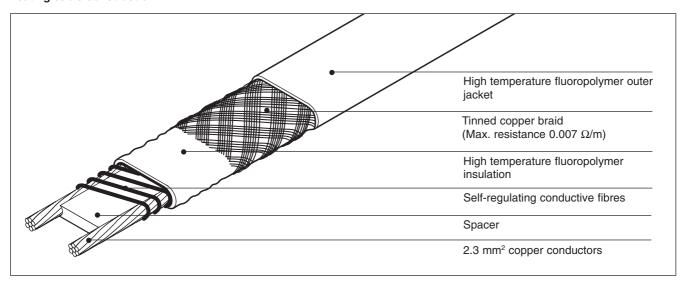
## $\mbox{\ensuremath{\boxtimes}}$ Self-regulating heating cable

Electrical heat-tracing 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, Zone 2 (Gas), Zone 21, Zone 22 (Dust) Ordinary				
Traced surface type	Carbon steel Stainless steel Painted or unpainted metal				
Chemical resistance	Organics and corrosives For aggressive organics and corrosives consult your local Tyco Thermal Controls representative				
Supply voltage	230 Vac (Contact your local Tyco Thermal Controls representative for data on other voltages)				
Approvals	The KTV heating cables are approved for use in hazardous areas by PTB and Baseefa 2001 Ltd.				
	PTB 98 ATEX 1104 X BAS98ATEX2335X				
	The KTV heating cables are approved by DNV for use on ships and mobile off shore units. DNV Certificate No. E-6968 They are also VDE approved.				
Specifications					
Maximum exposure temperature (continuous power on)	150°C				
Max. exposure temperature (intermittent power on and off)	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	−60°C				
Minimum bend radius	at 20°C: 26 mm at –60°C: 51 mm				

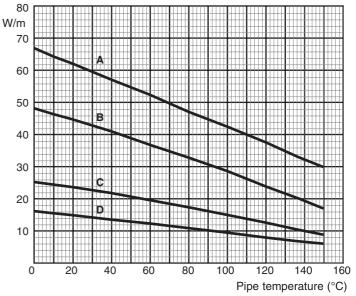
## Thermal output rating

 Nominal power output at
 A
 20KTV2-CT

 230 Vac on insulated
 B
 15KTV2-CT

 steel pipes
 C
 8KTV2-CT

 D
 5KTV2-CT



		5KTV2-CT	8KTV2-CT	15KTV2-CT	20KTV2-CT
Nominal power output (W/m at 10°C)		16	25	47	65
Product dimen	sions (nominal) and wei	ght			
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
Electrical protection sizing	Start-up temperature	Maximum heating	g cable length per circu	uit (m)	
16A	-20°C	130	95	60	40
	+10°C	145	105	65	45
25A	-20°C	145 205	105 150	90 90	
25A					45
25A 32A	-20°C	205	150	90	45 65
	−20°C +10°C	205 230	150 165	90 100	45 65 75

The above numbers are for circuit length estimation only. For more detailed information please use the Tyco Thermal Controls TraceCalc software or contact your local Tyco Thermal Controls representative.

230

Tyco Thermal Controls requires the use of a 30 mA residual current device to provide maximum safety and protection from fire. Where design results in a higher leakage current, a maximum 300 mA residual current device may be used. All safety aspects need to be proven.

180

130

110

Ordering details				
Part description	5KTV2-CT	8KTV2-CT	15KTV2-CT	20KTV2-CT
Part No.	866752-000	196865-000	368748-000	790842-000

## Components

+10°C

Tyco Thermal Controls 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.