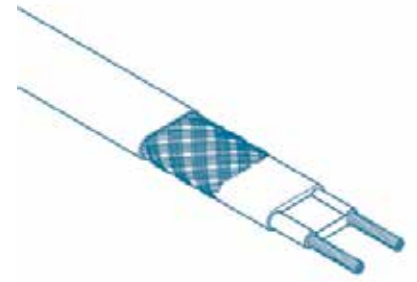


## BTV

The BTV range of self-regulating heating cables is mainly used for frost protection of pipes and vessels but can also be used to maintain processes up to 65°C. These heating cables are available in two different outer jacket materials. The polyolefin outer jackets (-CR) are suitable for use in areas where the cables will only be exposed to mild inorganic solutions whereas the fluoropolymer outer jackets (-CT) offer a high general chemical resistance.

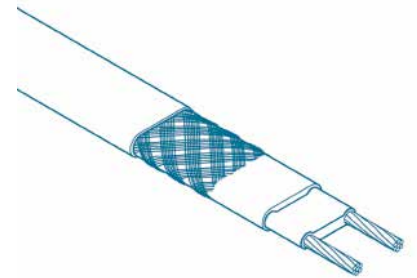
The products are approved for use in hazardous areas Zone 1, Zone 2 (Gas), Zone 21 and Zone 22 (Dust) and have an absolute temperature classification of T6 in accordance with European Standard EN 60079-30-1.



## QTVR

The QTVR range of self-regulating heating cables is mainly used for frost protection of pipes and vessels requiring a higher power output than the BTV heating cables can supply. They can also be used to maintain processes up to 110°C. These heating cables all have fluoropolymer outer jackets offering a high chemical resistance.

The products are approved for use in hazardous areas Zone 1, Zone 2 (Gas), Zone 21 and Zone 22 (Dust) and have an absolute temperature classification of T4 in accordance with European Standard EN 60079-30-1.



## XTV

The XTV range of self-regulating heating cables is used for frost protection of pipes and vessels that require steam cleaning. They can also be used to maintain processes up to 120°C. These heating cables all have fluoropolymer outer jackets offering a high chemical resistance.

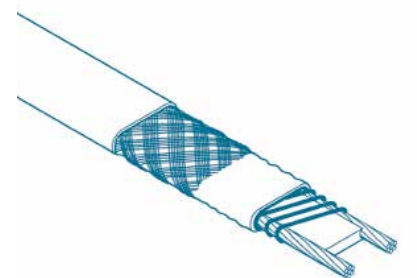
The products are approved for use in hazardous areas Zone 1, Zone 2 (Gas), Zone 21 and Zone 22 (Dust) and have an absolute temperature classification of T3 (except 20XTV2-CT-T2) in accordance with European Standard EN 60079-30-1.



## KTV

The KTV range of self-regulating heating cables is mainly used for frost protection of pipes and vessels that require steam cleaning. They can also be used to maintain processes up to 150°C. These heating cables all have fluoropolymer outer jackets offering a high chemical resistance.

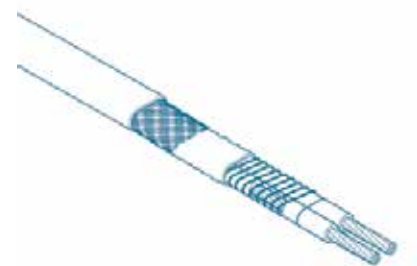
The products are approved for use in hazardous areas Zone 1, Zone 2 (Gas), Zone 21 and Zone 22 (Dust) and have an absolute temperature classification of T2 in accordance with European Standard EN 60079-30-1.

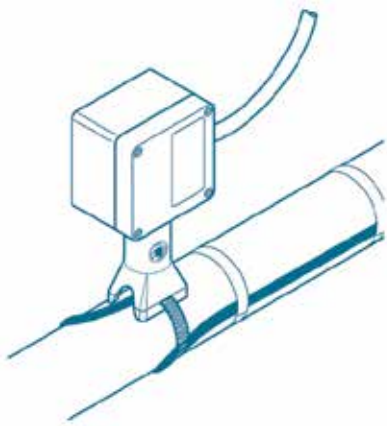


## VPL

The VPL range of power-limiting heating cables is mainly used for temperature maintenance of processes and offers the advantage of a high power output at high temperatures which can reduce the number of heating cables required. They can also be used for frost protection of pipes and vessels that require steam cleaning. These heating cables all have fluoropolymer outer jackets offering a high chemical resistance. The VPL products are available in various voltages, 110 Vac, 230 Vac and 480 Vac. The 480 V version offers the further advantage of long circuit lengths potentially reducing the number of supply points required.

The products are approved for use in hazardous areas Zone 1, Zone 2 (Gas), Zone 21 and Zone 22 (Dust). Unlike the self-regulating heating cables the T-classification for these products has to be calculated and will depend on the design conditions, this may also result in the need to use a safety temperature limiter.





### **JBS-100-E**

Cold applied integrated power connection for 1 heating cable. One power cable gland included. Suitable for use with all industrial self-regulating or power-limiting heating cables in hazardous and non-hazardous areas. Requires 1 pipe strap, to be ordered separately.

Also available with a green light for basic monitoring, order reference:

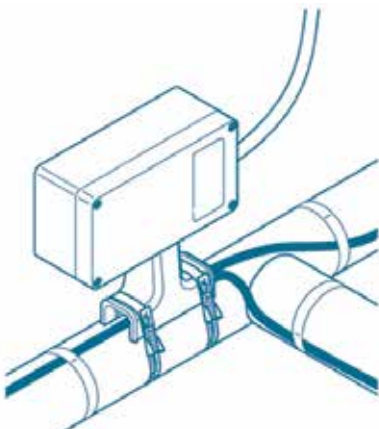
**JBS-100-L-E.**

### **JBS-100-EP**

Cold applied integrated power connection for 1 heating cable. Includes earth plate and earth stud for use with armoured cables. Suitable for use with all industrial self-regulating or power-limiting heating cables in hazardous and non-hazardous areas. Requires 1 pipe strap and 1 metal power cable gland to be ordered separately.

Also available with a green light for basic monitoring, order reference:

**JBS-100-L-EP.**



### **JBM-100-E**

Cold applied integrated power connection for up to 3 heating cables. May also be used for tee and splice connections. One power cable gland included. Suitable for use with all industrial self-regulating or power-limiting heating cables.

Requires 2 pipe straps, to be ordered separately.

Also available with a green light for basic monitoring, order reference:

**JBM-100-L-E.**

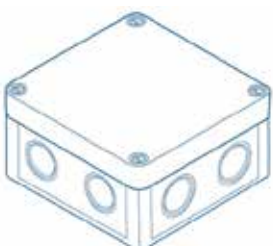
### **JBM-100-EP**

Cold applied integrated power connection for up to 3 heating cables. Includes earth plate and earth stud for use with armoured cables. May also be used for tee and splice connections. Suitable for use with all industrial self-regulating or power-limiting heating cables in hazardous and non-hazardous areas.

Requires 2 pipe straps and 1 metal power cable gland, to be ordered separately.

Also available with a green light for basic monitoring, order reference:

**JBM-100-L-EP.**



### **JB-82**

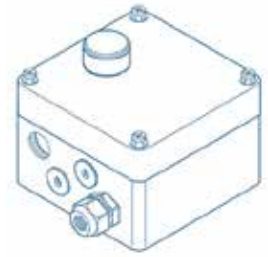
The JB-82 is a standard, non-hazardous polycarbonate junction box. Up to four heating cables or three heating cables and the appropriate size power cable can be accommodated through the four entries and connected to the rail mounted terminals.

## JBU-100-E

This junction box provides four M25 threaded entries, stopping plugs and one plastic power cable gland. Suitable for use with all industrial self-regulating or power-limiting heating cables in hazardous and non-hazardous areas. Connection kits (M25), insulation entry kits and support bracket have to be ordered separately.

Also available with a green light for basic monitoring, order reference:

**JBU-100-L-E (shown)**



## JBU-100-EP

This junction box provides four M25 threaded entries, an earthing plate and an external earth stud. It is designed for use with armoured power cables and metal glands. Suitable for use with all industrial self-regulating or power-limiting heating cables in hazardous and non-hazardous areas. Metal power cable gland, connection kits (M25), insulation entry kits and support bracket have to be ordered separately.

Also available with a green light for basic monitoring, order reference:

**JBU-100-L-EP (shown)**

## C25-100

This cold applied connection kit is designed for terminating all self-regulating and power-limiting industrial parallel heating cables to a junction box in hazardous and non-hazardous areas, whilst maintaining electrical insulation of the heating cable conductors and core.



## C25-21

This hot applied connection kit is designed for terminating all self-regulating and power-limiting industrial parallel heating cables to a junction box in hazardous and non-hazardous areas, whilst maintaining electrical insulation of the heating cable conductors and core.



## C25-100-METAL and C3/4-100-METAL

These cold applied connection kits are designed for terminating all self-regulating and power-limiting industrial parallel heating cables to a junction box with an internal earth plate, whilst maintaining electrical insulation of the heating cable conductors and core. These kits are made from brass, but are also available in a nickel plated version (contact Supermec for more information).

