

# Installation of heating tapes on pipes

## Important hints for installation and operation

Use selflimiting heating tapes in accordance to your application and within the operation data of Quintex .

Inappropriate installation or damage of the heating tape can lead to a short circuit or to a failure of the system

Selflimiting heating tapes shall protected by a RCDS with a switch off current  $\leq 30\text{mA}$  by general

All circuit breaker must have a characteristic called C

Never connect the two parallel current leading wires together; this will cause a **short circuit!**

The carbon black heating element of the uninstalled heating circuit must be protected against environmental attacks especially against moisture. It is recommended to install the connection set immediately to protect the core material

Minimal working temperature:  $-25^{\circ}\text{C}$

Use only original connection sets and accessories of Quintex for use with the heating tapes.

Do not use PVC/VC tapes or material (with plastizer) to fix the heating tapes.

Pay attention to your nation installation requiremnts

The insulation thickness of pipes must be thick enough to reduce heat losses or shall be in accordance to the heat loss calculation

Follow the installation manuals of all materials exactly. It is a duty to fill out the inspection document to fulfil warranty requirements.

Temperature controller and all safety equipment must be maintained on a regular basis to test setpoints and functions (minmium once a year)

## How to stock on site

After getting the material inspect it directly for transportation damages

Heatingtaoes s must stocked clean and dryn.

Avoid contact to any chemical substance in the stock



# Installation of heating tapes on pipes

Installation of one or more layers:



Exception: maintain temperatures of fat contenting pipes

Here the tapes must placed upper side of the pipe!



Tabelle 1 Befestigungsarten und zugehöriges Material

Decription	QUINTEX TYPE	Copper/steel pipes	Platic paipes	Gcast pipe Stainless steel	Speciall heating pipes
Textile tapes	GWK	x			
Polyester tapes	PEK	x			
Glasfibre tapes	GSK	<b>x</b>			x
Aluminium tapes	ALK	<b>x</b>	x	x	x

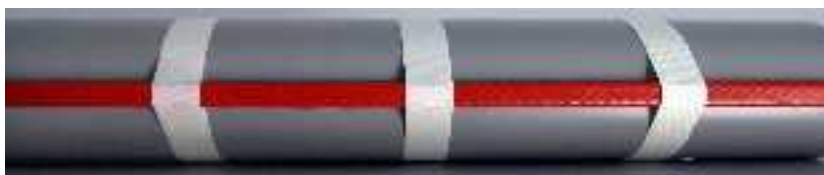
\*At plastic pipes we recommend the use of aluminium tapes under! The heating tape to get a better hat transfer to the pipe

For stell or copper pipes use polyester tapes, textile tapes or wire straps

For temperature > 60°C use glafibre tapes

## Installation of heating tapes on pipes

Fix the heating tapes along the pipe in a distance of 20 cm  
Use only QUINTEX fixing materials ( see table 1)



For plastic, cast and stainless steel pipes use aluminium tapes(ALK)

At plastic tape use aluminium tape also under the heating tape to increase heat transfer



# Installation of heating tapes on pipes

## Insulation thickness

Before installation of the insulation inspect the heating circuit for fiction or damage

A good and professional installation of the insulation is a precondition of proper function system

The insulation must be in accordance to your national requirements

If you use a weather cladding of the insulation, the use of insulation through feed is important to protect the outer sheath of the heating tape or the power cable

Mark the heating system outside the insulation in a distance of 3m with warning labels 'electrical heated'