

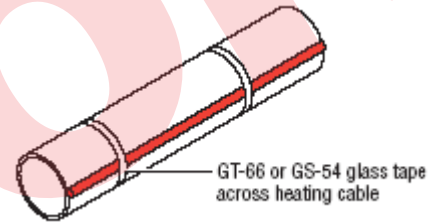
## EDISON ELECTRICAL HEAT TRACING BASIC INSTALLATION MANUAL

### 1) BEFORE LAYING THE CABLE:

- Be sure that all material needed for installation are complete and free of damage.
- Check the Isolation and Resistance values for heat tracing cables. Compare them with the expected values.
- Inspect the environment of application, pipes or tanks, working conditions.
- The surface, heat tracing cable will be applied should be clean, without dust etc. and completely dry. If not, before installation clean all these areas.

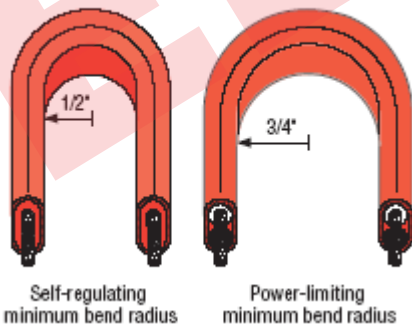
### 2) LAYING THE CABLE

- While laying the cable, the following information should be considered:
- Surface of the cable should be touching the surface of piping, completely.
- On pipelines, the cable should be applied to the bottom left or right position of the pipe, as seen on the Picture.

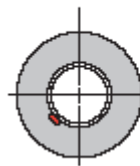


**While laying the cable, one should be extremely cautious not to squeeze, break or bend it. The problems, most frequently, arise from bending the cable more than the advised limit.**

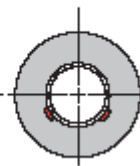
#### Bending the cable

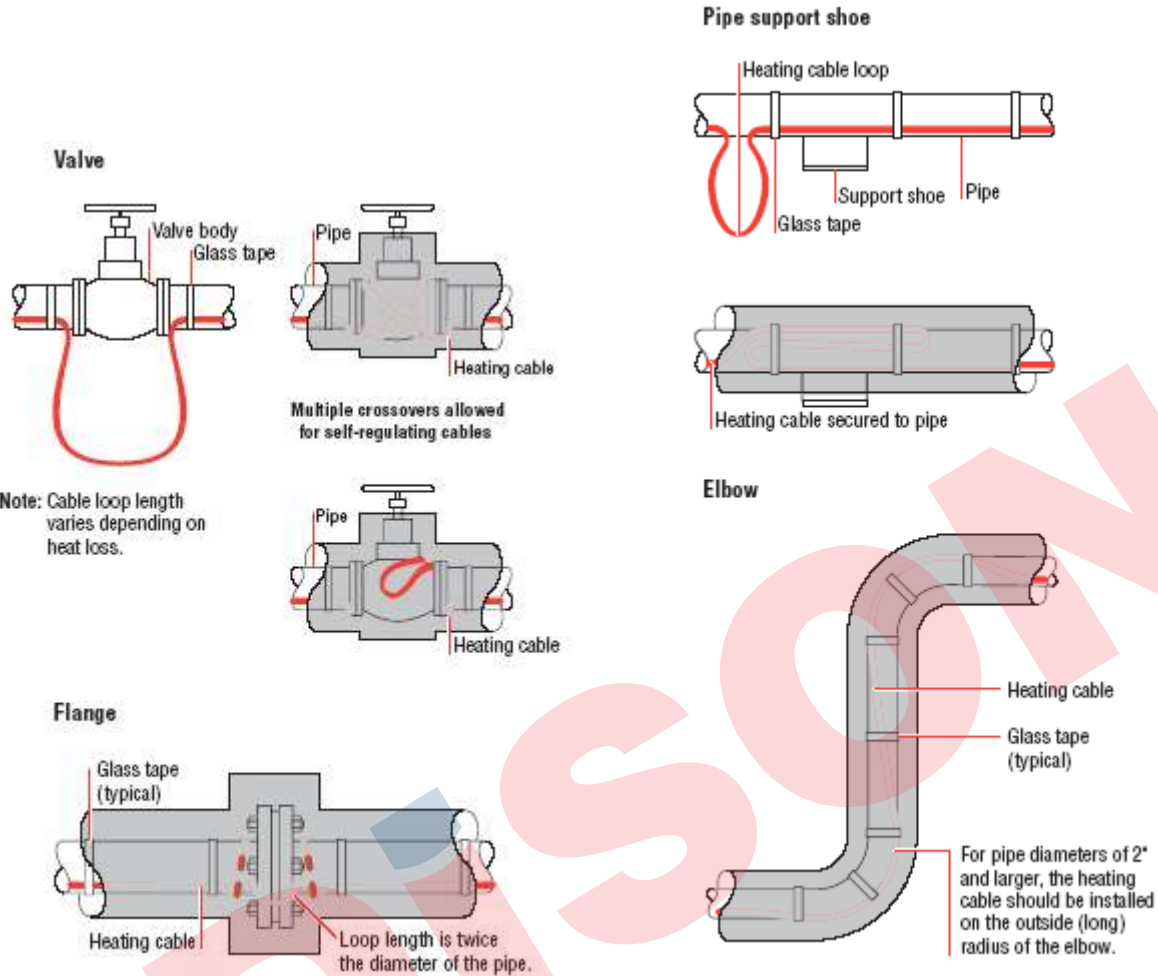


#### One heating cable



#### Two heating cables





On instruments (Valves, Filters, Pumps etc.), flanges and supports, heat loss is higher and on these regions the cable should be layed in S or noose shape. In this case, while laying, one should keep in mind that the cable may be removed to fix an instrument.

On pipelines, cables should be fixed with temperature resistive tapes in every 30 cms. On tanks, all of the cable should be covered with aluminium tape.

**During the insulation work, one should be extremely cautious not to damage the cable with screws. The shortest possible type of screws should be used in insulation.**