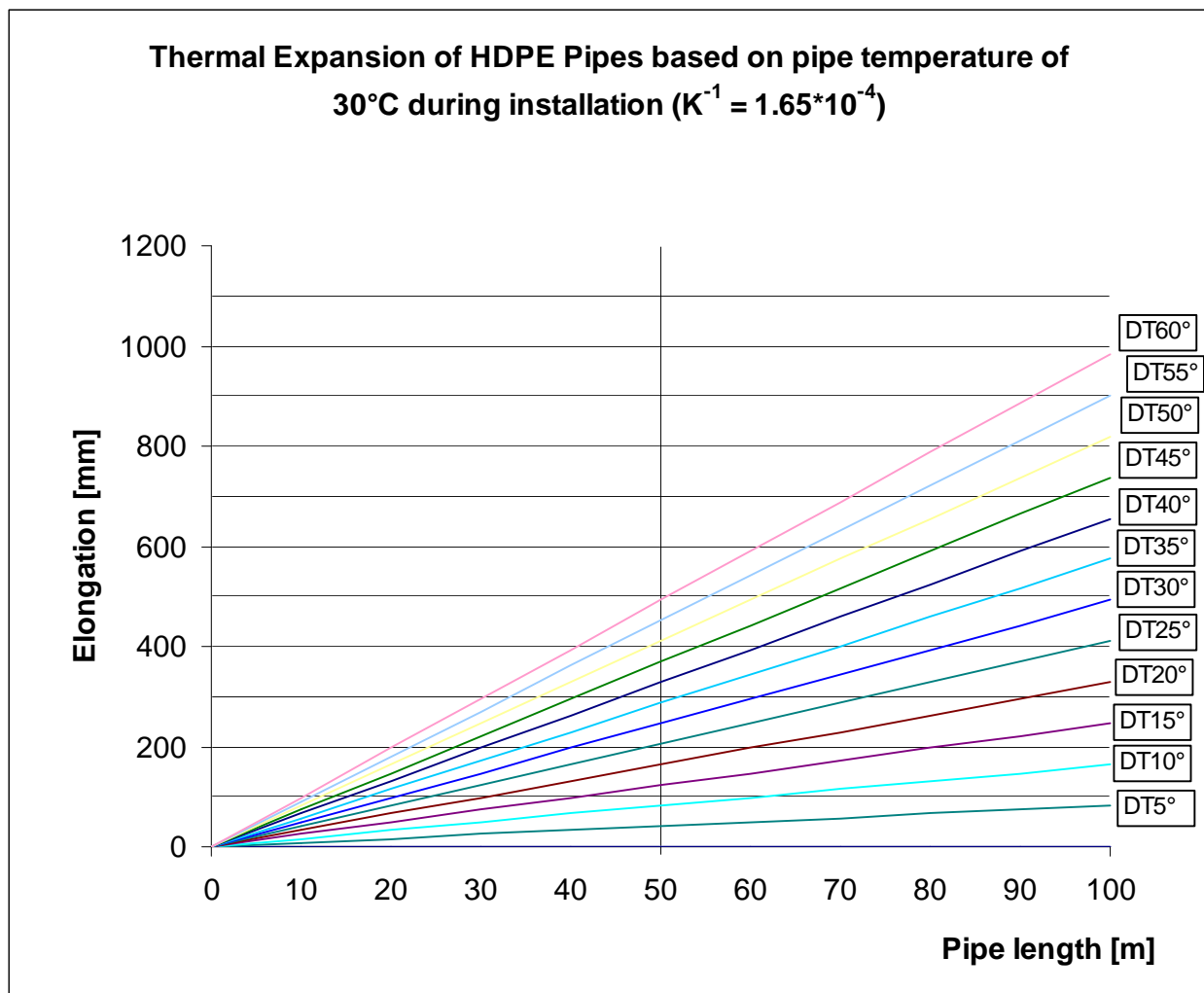


$\Delta T =$  Change of Temperature

Elongation: positive or negative change in length of pipe

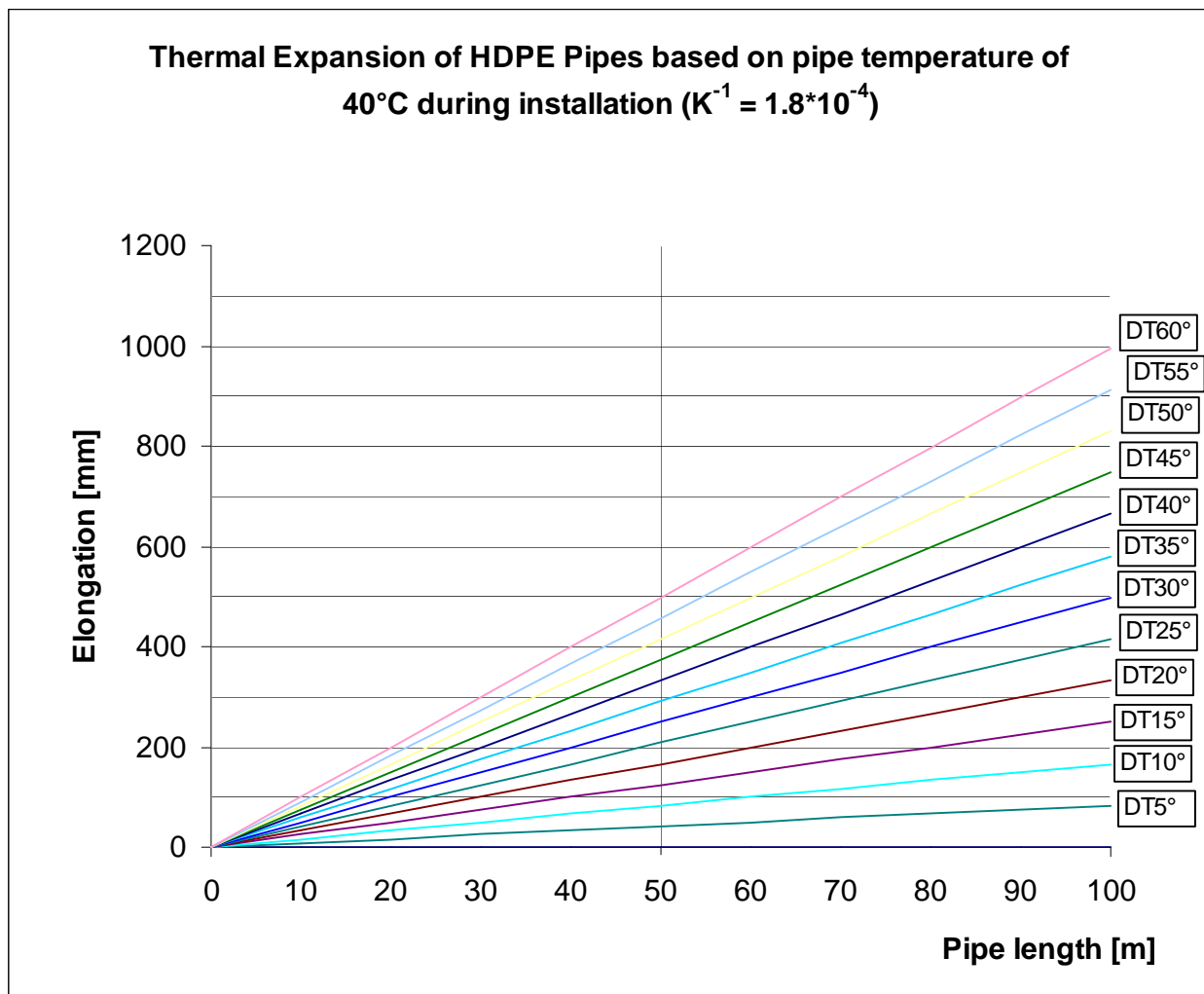
Remark:  $K^{-1}$  is assumed as linear over change of temperature



$\Delta T =$  Change of Temperature

Elongation: positive or negative change in length of pipe

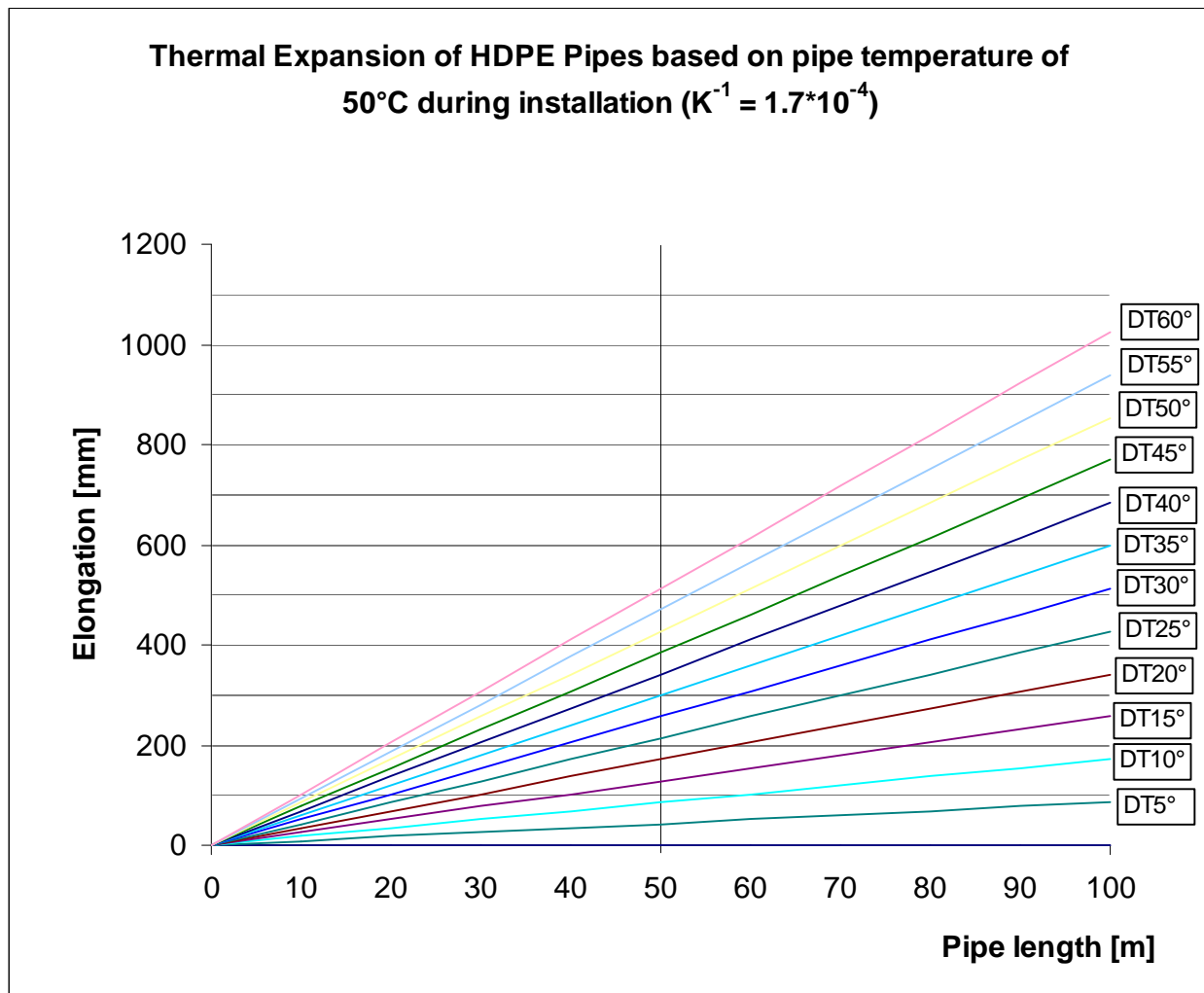
Remark:  $K^{-1}$  is assumed as linear over change of temperature



$\Delta T =$  Change of Temperature

Elongation: positive or negative change in length of pipe

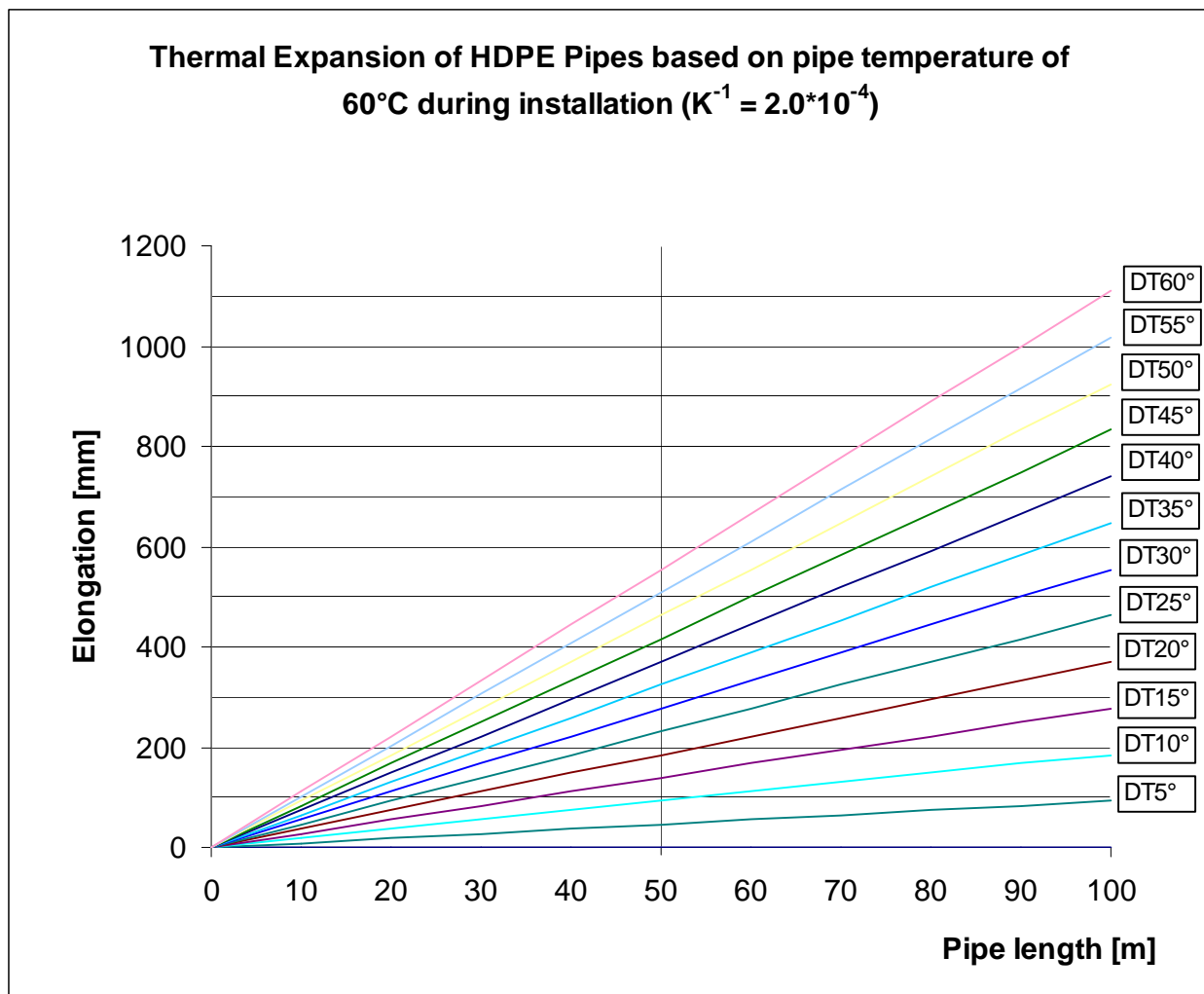
Remark:  $K^{-1}$  is assumed as linear over change of temperature



$\Delta T =$  Change of Temperature

Elongation: positive or negative change in length of pipe

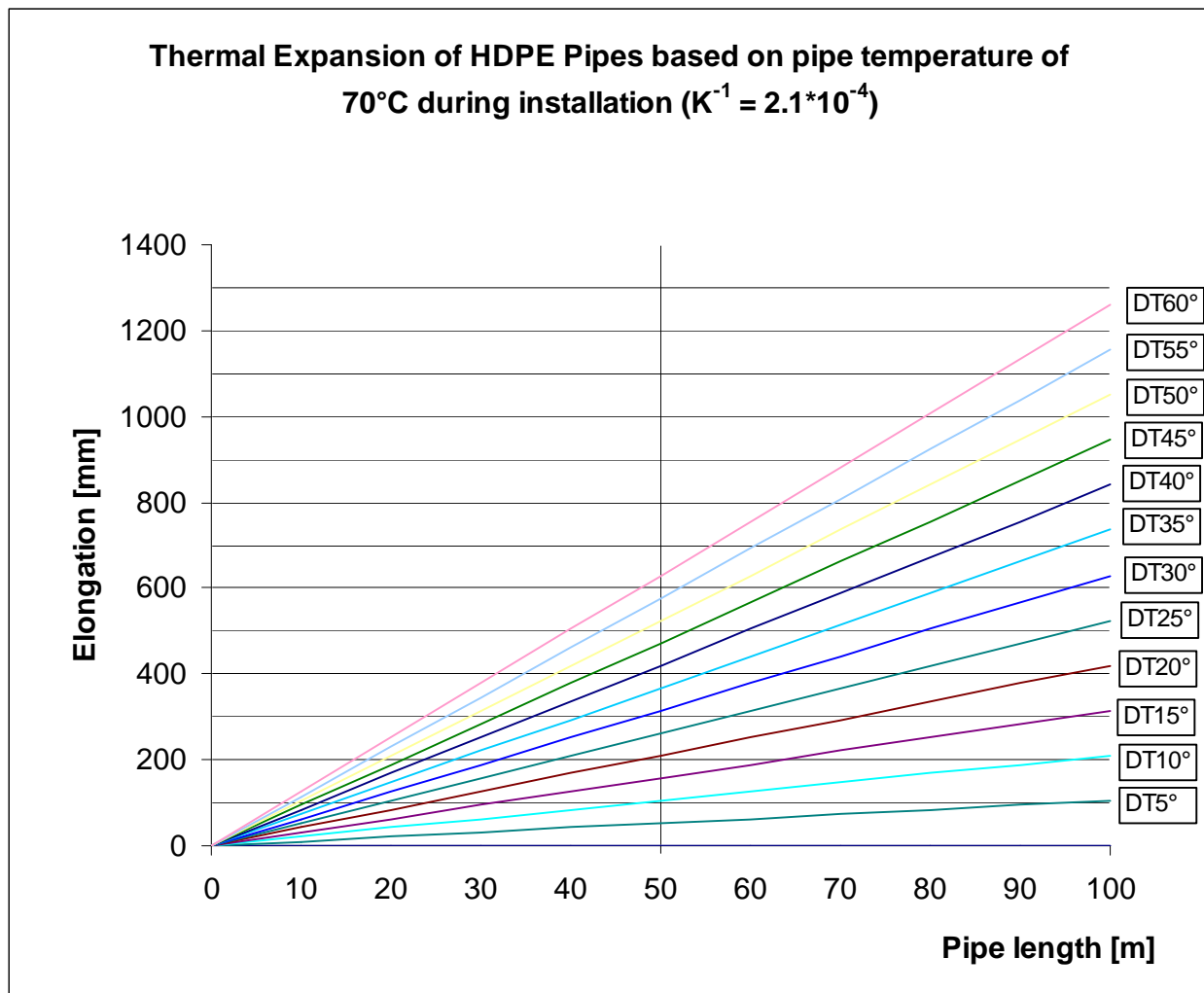
Remark:  $K^{-1}$  is assumed as linear over change of temperature



$\Delta T =$  Change of Temperature

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