

Technical Data Sheet
ThimmTherm TSL 10.230 / 18.230

Technical Data Sheet
Self-Limiting Parallel Heating Tape
ThimmTherm TSL 10.230 / 18.230

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Product name: ThimmTherm TSL 10.230 / 18.230

Produkt type: Self-limiting parallel heating tape

Area of application: Frost protection within and outside pipe lines.
Within pipe lines only with external fluoropolymer oversheath.

Description:

Thimm Therm TSL 10.230 and 18.230 are self-limiting parallel heating tapes. The heat output varies in dependence on the ambient temperature which are effecting the heating tape (= workpiece temperature).

The heating tape reacts with a reduction of the heat output when temperatures are increasing. In case of falling temperatures the heat output will be raised.

Construction:

- Conductor made of tinned copper litz wire with 0.56 mm²
- Self-limiting plastic heating element
- Insulating covering made of thermoplastic elastomer
- Tinned copper braid with 2.44 mm²
- Oversheath made of fluoropolymer (FEP)

Technical Data:

Nominal voltage	220 – 240 V
Minimum bend radius	35 mm (radius at the inner side of the heating tape)
Minimum installation temperature	- 30° C
Max. permitted workpiece temperature	65° C switched on 65° C switched off
Max. protective braid resistance	< 18,2 Ω/km
Dimensions	7.3 x 5.3 mm
Heat output at 10° C	9,5 W/m for TSL 10.230 18 W/m for TSL 18.230

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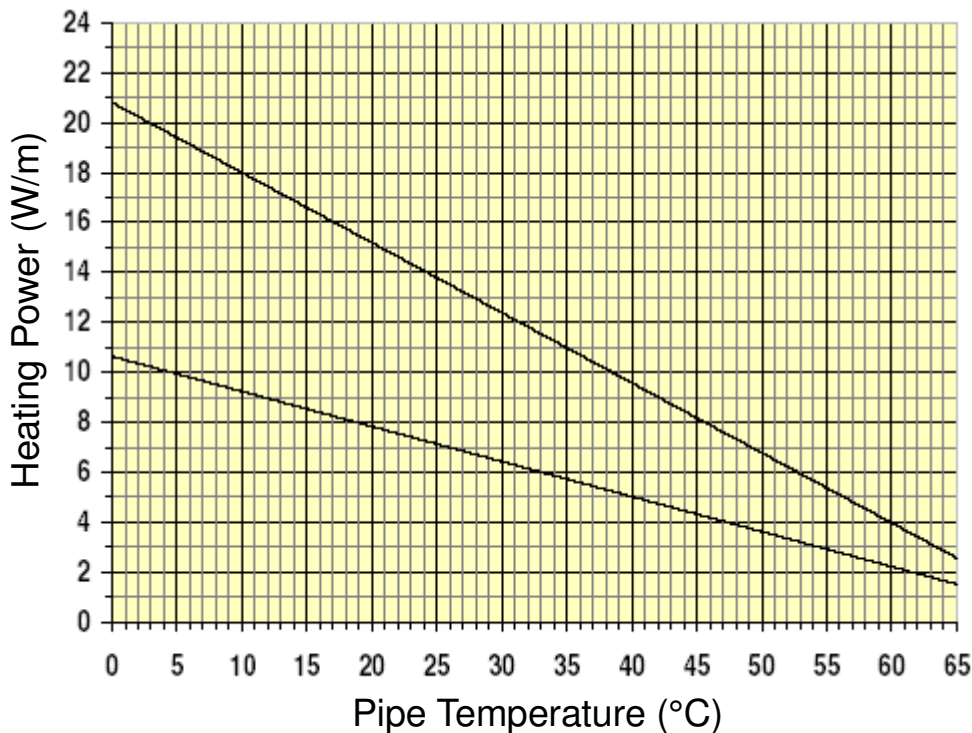
ThimmTherm TSL 10.230 / 18.230

Lengths of Heating Circuits TSL 10.230 / 18.230

Max. length of heating circuit **within** pipe lines for 10° C (max. 10 A) 60 m / 36 m
 Max. length of heating circuit **outside** pipe lines for 10° C (max. 10 A) 100 m / 60 m
 (miniature circuit-breakers (m.c.b.) with C-characteristic)

Performance Characteristic

ThimmTherm TSL 18.230
 ThimmTherm TSL 10.230



Version

Description	Order Number
TSL 10.230 with external fluoropolymer oversheath	TSL 10.230
TSL 18.230 with external fluoropolymer oversheath	TSL 18.230