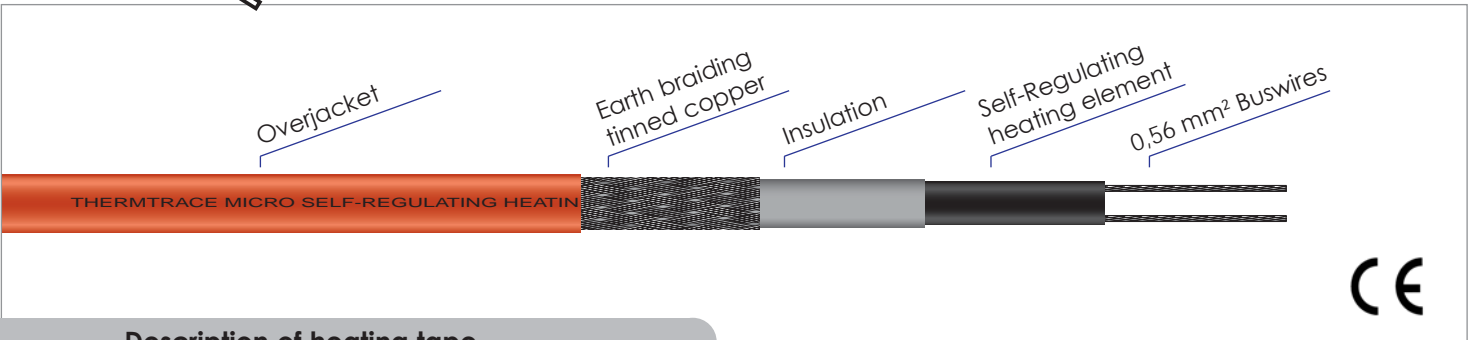


ThermTrace Micro (TTM)

up to 65°C

Self-Regulating parallel heating tape



Description of heating tape

- Self-regulating
- 2 temperature ranges
- Variable loading
- Cut to length

Applications:

ThermTrace Micro is a light construction grade self-regulating heating tape that may be used for freeze protection, or low temperature maintenance of pipework and vessels.

Function:

Self-regulating heating tapes consist of two parallel buswires, embedded semi-conductive self-regulating matrix. This means that the heating cable automatically responds to changes in ambient conditions.

With increase in temperature, the synthetic material expands by molecular force, and the connections between the carbon particles diminish, reducing the load. Conversely, as the temperature decreases, so the load increases as the connections between the carbon particles increases accordingly.

Thus, the heating power varies according to the temperature of the surface the heating tape is applied to.

Self-regulating heating tapes will not overheat or burnout - even when overlapped.

Technical Data:

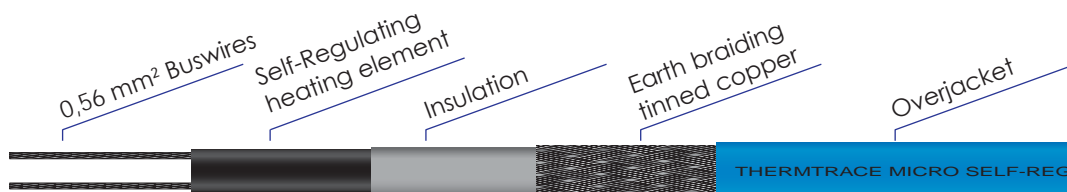
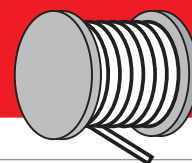
Maximum temperature	65°C
Nominal voltage	230V (115V available to order)
Minimum bending radius	TTM-BO 35mm TTM-BOT 35mm
Minimum installation temperature	-30°C
Moisture protected	Yes

Name	Power Output on Insulated Metal Pipes at 5°C (W/m)	Maximum Permissible Temperature (°C)	Earth Braid Description	Nominal Dimensions (mm)	Nominal Weight kg/100m
11TTM-2-BO	11	65	tinned copper	7.9 x 5.6	7
11TTM-2-BOT	11	65	tinned copper	7.9 x 5.6	7
17TTM-2-BO	17	65	tinned copper	7.9 x 5.6	7
17TTM-2-BOT	17	65	tinned copper	7.9 x 5.6	7

BO: Braid and thermoplastic overjacket
BOT: Braid and fluoropolymer overjacket

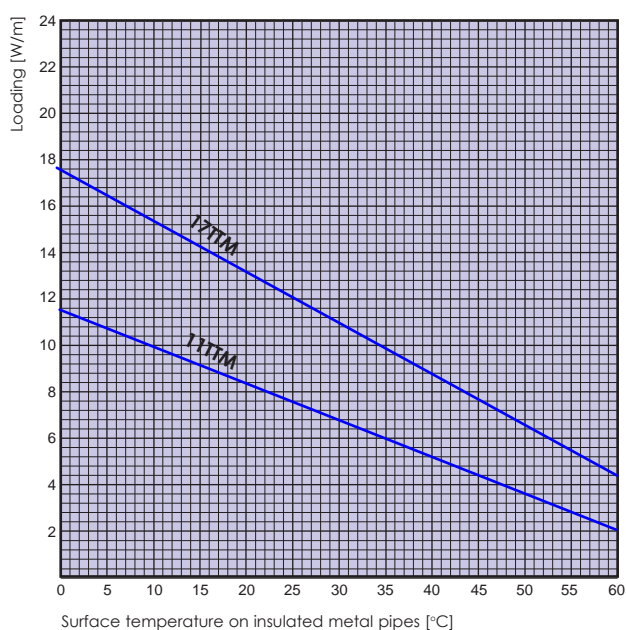
up to 65°C

ThermTrace Micro (TTM) Self-Regulating parallel heating tape



Description of heating tape

Temperature/Loading diagram TTM



Product Reference	Switch on Temp	Circuit Breaker Size (A)			
		6	10	16	20
11TTM	+5°C	70m	100m	110m	-
	0°C	65m	95m	105m	-
	-20°C	44m	77m	90m	-
	-30°C	38m	67m	80m	-
17TTM	+5°C	39m	60m	70m	-
	0°C	37m	58m	65m	-
	-20°C	25m	44m	50m	-
	-30°C	23m	41m	47m	-

Maximum recommended length of heating circuit at 230VAC using Type-C circuit breakers.

Approval Details

SEMCO



Product Ordering Information

Power output + TTM-Voltage-(Overjacket)

Example 11W/m@5°C with tinned copper braiding and fluoropolymer jacket (230V):

11 TTM-2-BOT

Example 17W/m@5°C with only insulation (115V):

17 TTM-1

BO: tinned copper braiding and thermoplastic overjacket
BOT: tinned copper braid and fluoropolymer overjacket