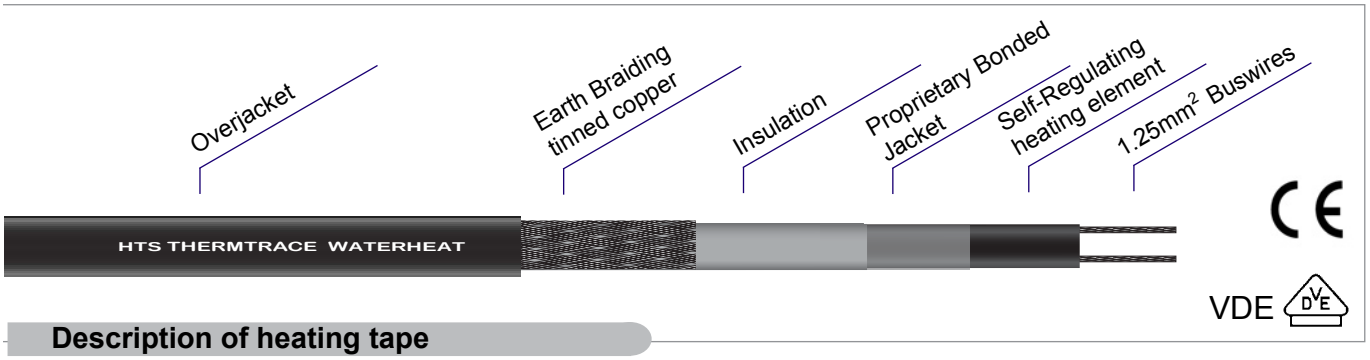
ThermTrace® WaterHeat
Self-Regulating parallel heating tape

up to 100°C



Description of heating tape

- Self-regulating
- 9 W/m @ 55°C
- Cut-to-length

Applications:

ThermTrace®WaterHeat is a constuction grade self-regulating heating tape that may be used for temperature maintenance of hot water systems.

Function:

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

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

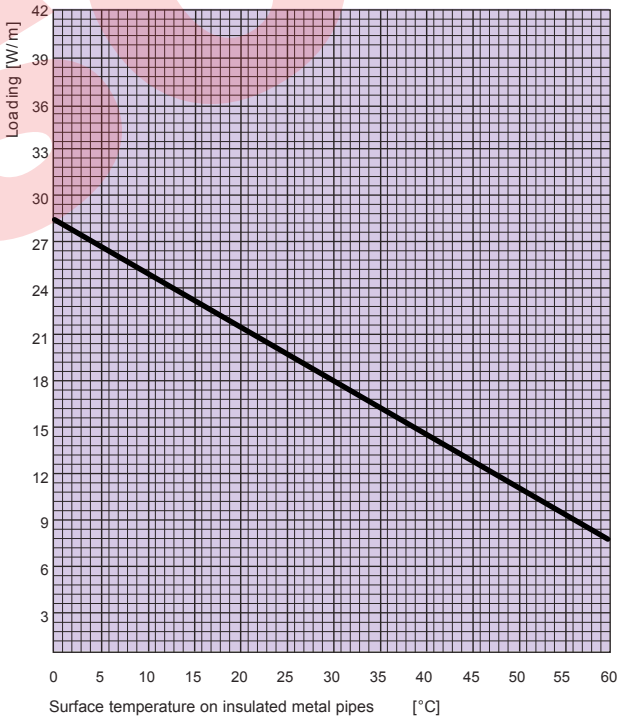
Thus, the heating power varies according to the temperature of the surface the heating tape is applied to.

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

Technical Data:

Maximum exposure temperature (unpowered) Intermittent, 1000 cumulative hours	100°C
Maximum operating temperature (powered)	80°C
Nominal voltage	230V (120V available to order)
Minimum bending radius	25mm
Minimum installation temperature	-30°C
Maximum resistance of braid	18.2 Ohms/km

Temperature/Loading diagram WaterHeat



WaterHeat exposure up to 100°C

Start-up temp. +10°C	230V 16A	230V 20A	230V 30A	120V 16A	120V 20A	120V 30A
25 TTWH	88	117	126	43	58	63

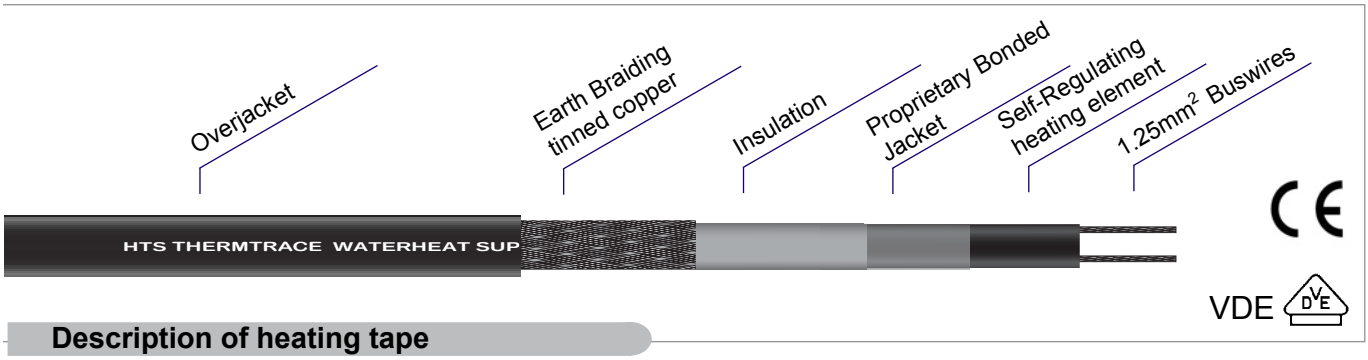
Maximum recommended length of heating circuits using Type-C circuit breakers

Name	Power Output on Insulated Metal Pipes at 10°C (W/m)	Maximum Permissable Temperatures powered (°C)	unpowered (°C)	Earth Braid Description	Nominal Dimensions (mm)	Nominal Weight kg/100m
25-TTWH-2-BO	25	80	100	tinned copper	11.5 x 5.5	12

BO: Braid and thermoplatic overjacket

ThermTrace® WaterHeat Super
Self-Regulating parallel heating tape

up to 100°C



Description of heating tape

- Self-regulating
- 12 W/m @ 60°C
- Cut-to-length

Applications:

ThermTrace®WaterHeat Super is a constuction grade self-regulating heating tape that may be used for temperature maintenance of hot water systems.

Function:

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

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

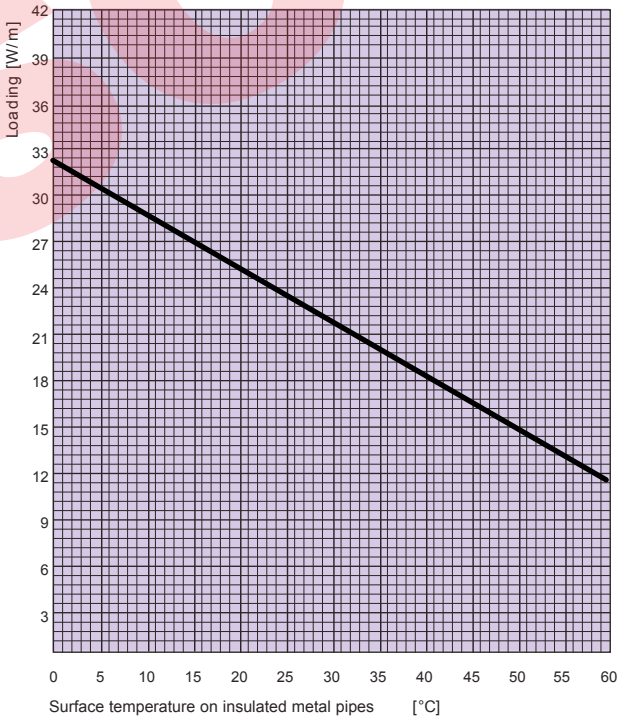
Thus, the heating power varies according to the temperature of the surface the heating tape is applied to.

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

Technical Data:

Maximum exposure temperature (unpowered) Intermittent, 1000 cumulative hours	100°C
Maximum operating temperature (powered)	80°C
Nominal voltage	230V (120V available to order)
Minimum bending radius	25mm
Minimum installation temperature	-30°C
Maximum resistance of braid	18.2 Ohms/km

Temperature/Loading diagram WaterHeat Super



WaterHeat exposure up to 100°C

Start-up temp. +10°C	230V 16A	230V 20A	230V 30A	120V 16A	120V 20A	120V 30A
33 TTWH	70	90	108	33	45	54

Maximum recommended length of heating circuits using Type-C circuit breakers

Name	Power Output on Insulated Metal Pipes at 10°C (W/m)	Maximum Permissable Temperatures powered (°C)	unpowered (°C)	Earth Braid Description	Nominal Dimensions (mm)	Nominal Weight kg/100m
33 TTWH-2-BO	33	80	100	tinned copper	11.5 x 5.5	12

BO: Braid and thermoplatic overjacket