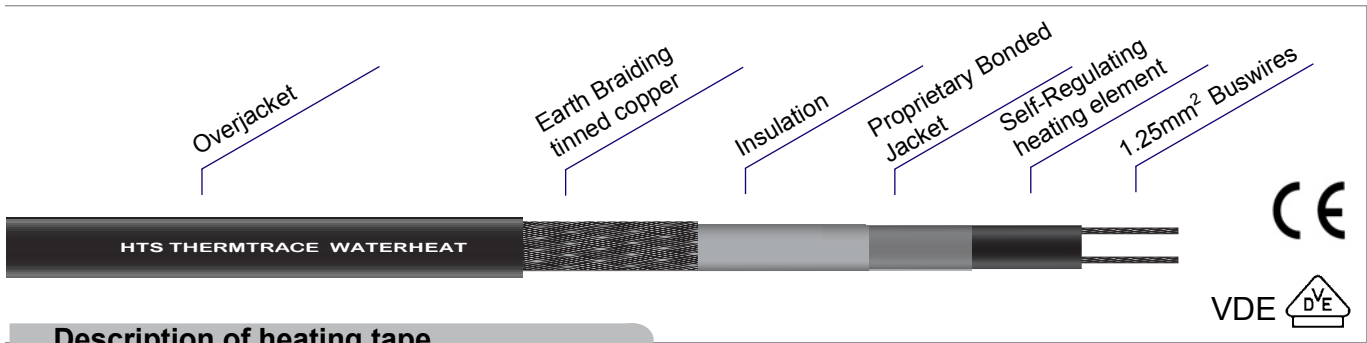


ThermTrace® WaterHeat Self-Regulating parallel heating tape

up to 100°C



Description of heating tape

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

Applications:

ThermTrace® WaterHeat is a construction 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 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, 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.

WaterHeat exposure up to 100°C

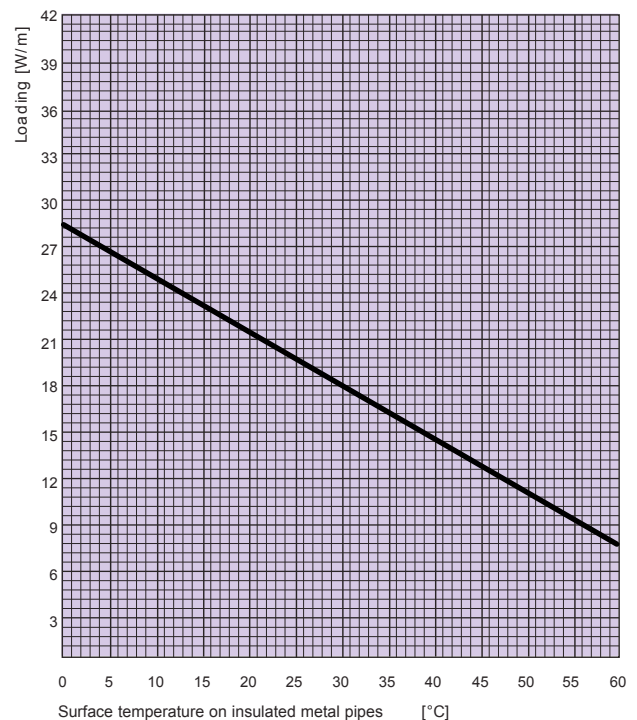
Start-up temp. +10°C	230V			120V		
	16A	20A	30A	16A	20A	30A
25 TTWH	88	117	126	43	58	63

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

Technical Data:

Maximum exposure temperature (unpowered)	100°C
Intermittent, 1000 cumulative hours	
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

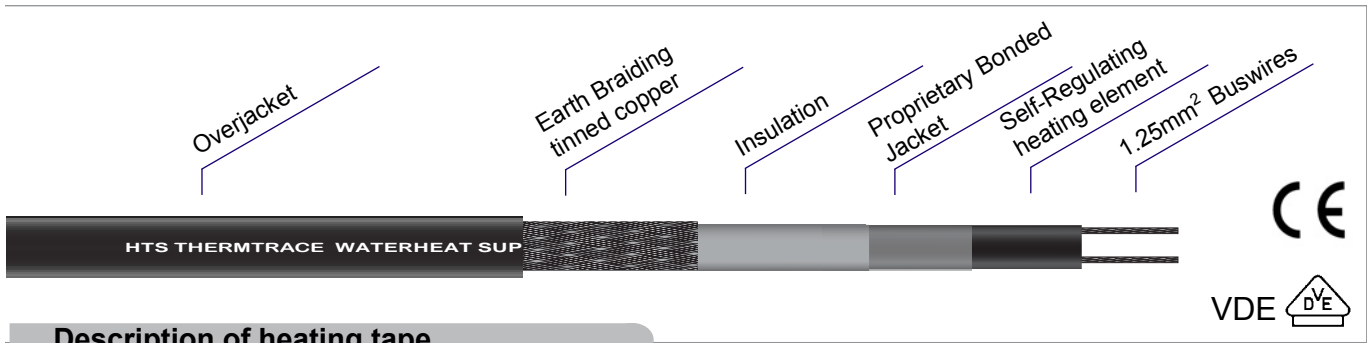


Name	Power Output on Insulated Metal Pipes at 10°C (W/m)	Maximum Permissible Temperatures powered (°C)	Maximum Permissible Temperatures unpowered (°C)	Earth Braid Description	Nominal Dimensions (mm)	Nominal Weight kg/100m
25-TTWH-2-BO	25	80	100	tinned copper	11.5 x 5.5	12

BO: Braid and thermoplastic 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 construction 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 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, 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.

WaterHeat exposure up to 100°C

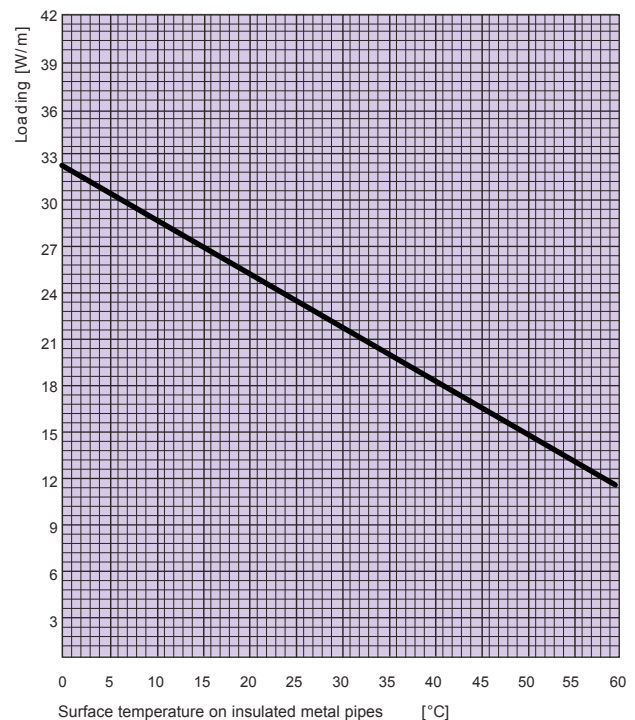
Start-up temp. +10°C	230V			120V		
	16A	20A	30A	16A	20A	330AA
333 TTWHS	70	890	1088	333	4545	54

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

Technical Data:

Maximum exposure temperature (unpowered)	100°C
Intermittent, 1000 cumulative hours	
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



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

BO: Braid and thermoplastic overjacket