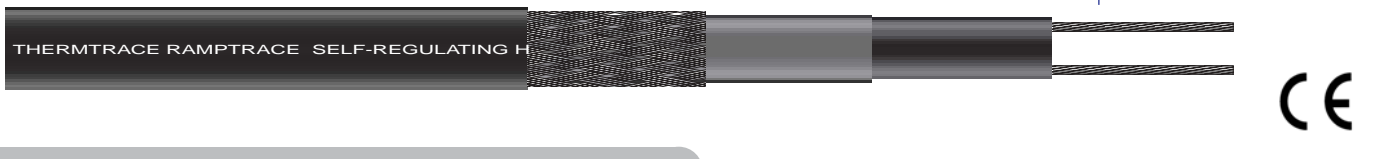


# ThermTrace® RampTrace Super Self-Regulating parallel heating tape

up to 120°C

TPPE Overjacket  
Earth braiding  
finned copper  
Fluoropolymer Insulation  
Self-Regulating  
heating element  
1.25 mm Buswires



## Description of heating tape

- Designed for use in concrete
- Self-regulating
- Cut to length

### Applications:

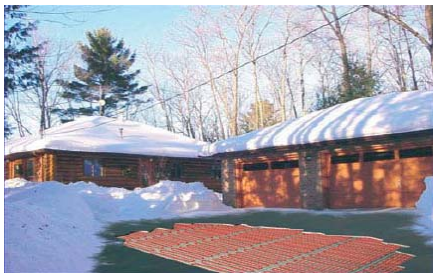
ThermTrace Ramptrace Super is a construction grade self-regulating heating tape that may be used for freeze protection of ramps built of concrete.

### 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.



### Product Ordering Information

Power output + 65 TTRTS-Voltage-(Overjacket)  
Example with tinned copper braiding  
and thermoplastic jacket (230V):

**65 TTRTS-2-BO**

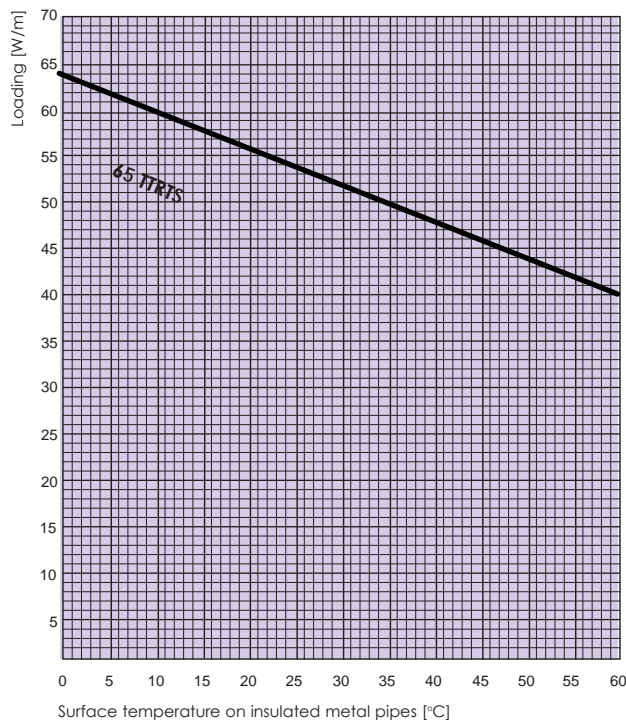
\*Please note that TTRTS is only in 230V available

BO: finned copper braiding and thermoplastic overjacket

### Technical Data:

Power output	65 W/m @0°C
Power output in concrete	90 W/m @0°C
Nominal voltage	230V
Maximum exposure temperature (unpowered)	120°C
Maximum operating temperature (powered)	120°C
Minimum bending radius	25mm
Minimum installation temperature	-30°C
Dimensions	10.4x4.5mm

### Temperature/Loading diagram TTRTS



Maximum recommended length of heating circuit:

Start-up temp. (°C)	Circuit Breaker (230V)		
	16A	20A	30A
65 TTRTS +10	50m	64m	
-25	38m	52m	64m