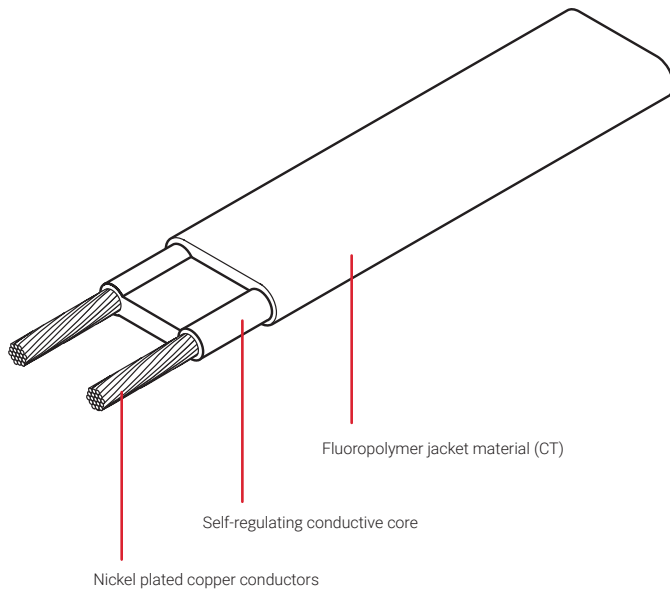


## SELF-REGULATING HEATER



The nVent Raychem Thermolimit TLT Series consists of self-regulating cable heaters for general rail heating applications. This state-of-the-art, self-regulating heater demonstrates excellent thermal performance, long service life, easy installation, and low operating costs

### **SELF-REGULATING PERFORMANCE**

The self-regulating feature enables the Thermolimit TLT heater to vary its power output in response to sensed changes in temperature at every point along its length. As temperatures increase, the heater automatically decreases its heat output, and vice versa. This feature provides dependable overtemperature protection.

### **RELIABILITY**

Simple design and rugged construction ensure long life and minimum maintenance.

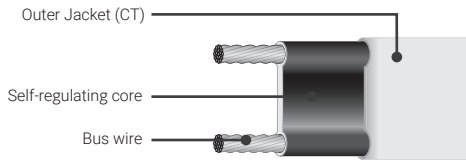
### **EASE OF INSTALLATION**

Each metre of the conductive-polymer core of the TLT heater operates as though it contains millions of parallel resistors between its bus wires. Because of this parallel-circuit design, TLT heaters can be cut to length without affecting heat output per metre, making design, installation, and repair fast and simple.

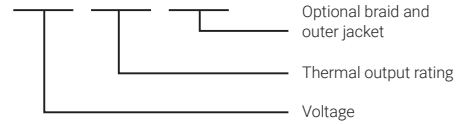
### **ENERGY EFFICIENCY**

TLT heaters conserve energy by providing heat when and where it is needed over the entire circuit length. Their power consumption varies with changes in surrounding temperature, unlike conventional constant-wattage heaters that draw the same power regardless of temperature changes or localised needs.

## PRODUCT DESCRIPTION AND ORDERING DATA



TLT-XXX-XX-CR



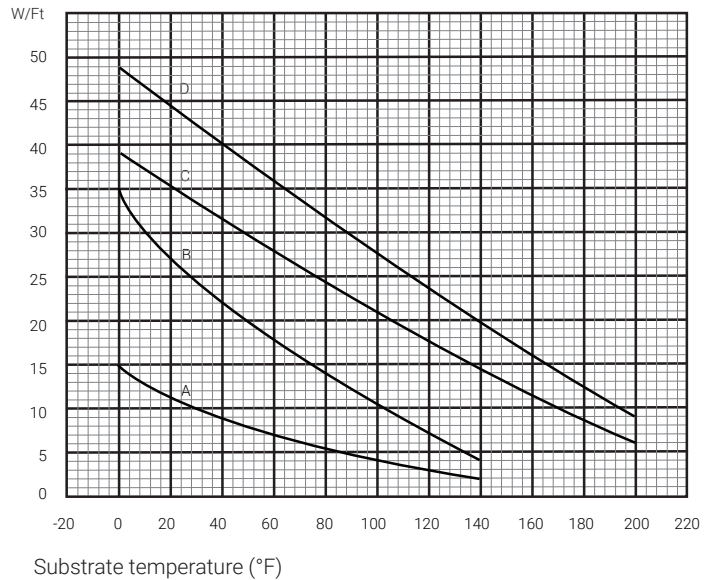
## THERMAL OUTPUT RATING

Power output on aluminum substrate with aluminum tape

- |          |                  |
|----------|------------------|
| <b>A</b> | <b>CB</b>        |
| <b>B</b> | <b>CG</b>        |
| <b>C</b> | <b>QF</b>        |
| <b>D</b> | <b>QL and DN</b> |

$$W/m = 3.28 \times Wft$$

$$^{\circ}C = 5/9 (^{\circ}F - 32)$$



Temperature rating	Type CB & CG	Types QF, QL & DN
Maximum maintenance temperature	65°C, (150°F)	110°C, (225°F)
Maximum intermittent exposure	85°C, (185°F)	135°C, (275°F)

## PRODUCT SELECTION

	Type CB			Type CG			Type QF			Type QL			Type DN	
Available voltage	120	240	490	120	240	440	120	240	440	120	240	440	12	24
Max circuit length (m)	64	128	240	52	103	189	52	103	189	55	110	204	5.5	11

## DESIGN ASSISTANCE

For further assistance on product selection, performance and electrical design, contact your local representative .

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