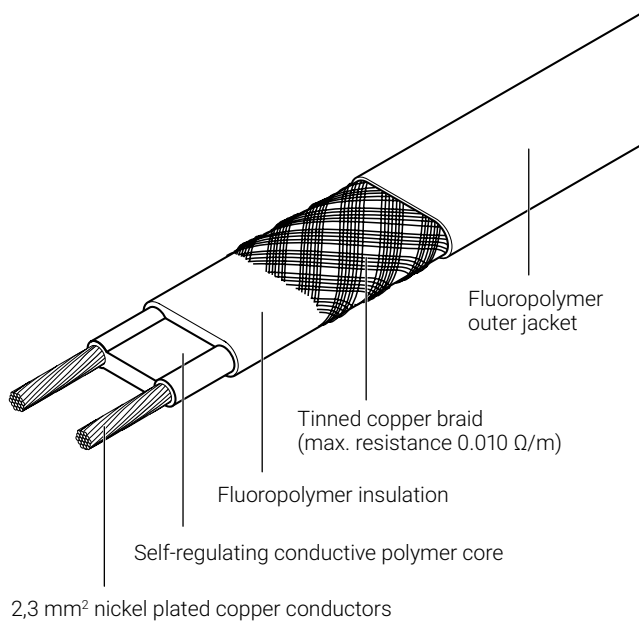


## Self-Regulating Heater



The nVent RAYCHEM 30TLT2-CT self regulating heating cable is designed for winterization applications in non-hazardous marine markets, such as under-deck heating of metal walkways on vessels. This heating cable demonstrates excellent thermal performance, long service life, easy installation, and low operating costs.

### SELF-REGULATING PERFORMANCE

The self-regulating feature enables the TLT heating cable to vary its power output in response to sensed changes in temperature at every point along its length. As temperatures increase, the heating cable automatically decreases its heat output, and vice versa. This feature provides dependable protection from overheating and results in significant energy savings.

### APPLICATION

Area classification	Ordinary / non-hazardous area
Traced surface type	Carbon steel / Stainless steel
Chemical resistance	Organics and corrosives For aggressive organics and corrosives consult your local nVent representative

### SUPPLY VOLTAGE

220-240 Vac

### APPROVALS

CE conformity: EN (IEC) 62395-1: 2013

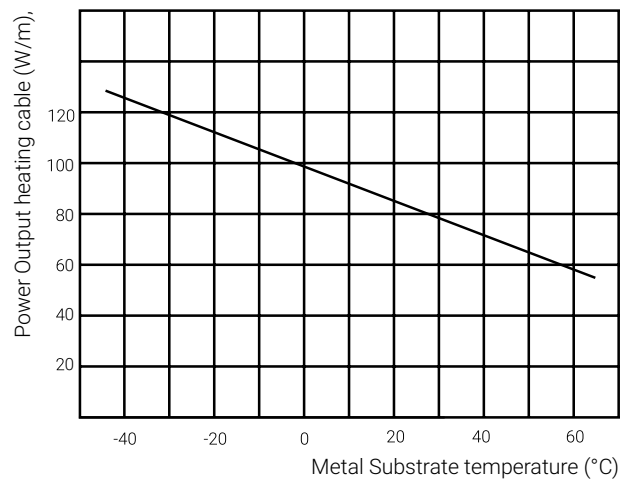
### SPECIFICATIONS

Maximum maintain or continuous exposure temperature (power on/off)	+90°C
Maximum intermittent exposure temperature (power on/off)	+100°C
Minimum installation temperature	-60°C
Minimum bend radius	at +20°C: 13 mm / at -60°C: 35 mm

## THERMAL OUTPUT RATING

Power output of 30TLT2-CT on steel substrate, attached with nVent RAYCHEM aluminum tape ATE-180

Nominal Power Output **30W/ft (98W/m)**  
**@ 0°C and 230Vac**



## PRODUCT DIMENSIONS (NOMINAL) AND WEIGHT

Thickness (mm)	5.1
Width (mm)	14
Weight (g/m)	180

## MAXIMUM CIRCUIT LENGTH BASED ON TYPE 'C' CIRCUIT BREAKERS ACCORDING TO EN 60898

Electrical Protection Sizing	Start-up Temperature	Maximum Circuit Length (m)
16 A	-20°C	24
	0°C	28
20 A	-20°C	30
	0°C	35
25 A	-20°C	39
	0°C	45
32 A	-20°C	41
	0°C	48
40 A	-20°C	41
	0°C	48

nVent requires the use of a 30 mA residual current device to provide maximum safety and protection from fire.

Where design results in higher leakage current, the preferred trip level for adjustable devices is 30 mA above any inherent capacitive leakage characteristic of the heating cable as specified by the heat tracing cable supplier or alternatively, the next common available trip level for non adjustable devices, with a maximum of 300 mA. All safety aspects need to be proven.

## COMPONENTS

The recommended nVent RAYCHEM components to be used with 30TLT2-CT are:

- Power connection kits C25-100, C25-100-METAL
- Splices: S-20
- End seal kits: E-20

These components must be used to ensure proper functioning of the product and compliance with electrical requirements.

## Europe, Middle East, Africa

Tel +32.16.213.511  
thermal.info@nVent.com



Our powerful portfolio of brands:

**CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER**