

Electrical heating tape for roof and gutter protection from snow and ice buildup.

Self-Regulating Heating Tape non-Ex

85°C



- High UV-resistance
- Will not overheat, even when overlapped
- Can be cut to length with minimal wastage
- Available for different voltages
- Temperature resistant up to 85°C
- Available with fluoro-polymer outerjacket

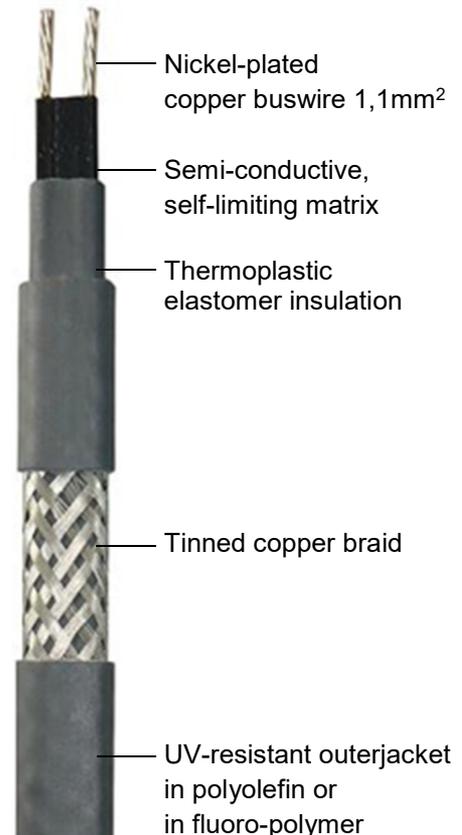
## Description

Quintherm CLD is a special self-limiting heating cable for gutter heating and to prevent formation of snow slab on roofs areas.

Thanks to the UV resistance, these heating tapes are well suitable to the requirements of this particular application. By the temperature resistance of 85°C this heating tape resists even hot surfaces caused by sun exposure.

Its self-regulating characteristics improve safety and reliability. Quintherm CLD will not overheat or burnout, even when overlapped. The power output is self-regulated in response to the ambient temperature.

On the characteristics can be seen that the heating tape can reach a power output of 36W/m in ice water to ensure the required defrost ability.



## Possible Applications

- Gutter heating
- Roof valley heating
- Downspout heating
- Roof area heating
- Roof draining heating
- Facade heating

## Technical Data

Max. Allowed Temperature:  
 Power On: 85°C  
 Power Off: 85°C

Min. Installation Temperature: -40°C

Power Supply: 208 - 277VAC  
 Cross Section: 1.1mm<sup>2</sup>  
 Maximum Resistance of Protective Braid: ≤ 18.2Ohm/km

Type	Nominal Dimensions (mm)	Weight Kg/100m	Min. Bending Radius (mm)
CLD	10.5 x 5.9	10.0	35

## Power Output

at 0°C

In air: 18W/m

In ice water: 36W/m

## Cold Start Data

Values for 300 seconds

Starting Temperature	Current (A/m) at 230V AC
-15°C	0.295
0°C	0.259
+15°C	0.236

## Ordering Information

Example:

Quintherm CLD \_\_\_\_\_ CLD182 CT/CF

Nominal Output 18W/m at 0°C \_\_\_\_\_

Supply Voltage 208 – 277VAC \_\_\_\_\_

Tinned Copper Braid (C) \_\_\_\_\_

Outerjacket Polyolefin (T) or Fluoro-Polymer (F) \_\_\_\_\_

## Max. Length of Heating Circuit (m)

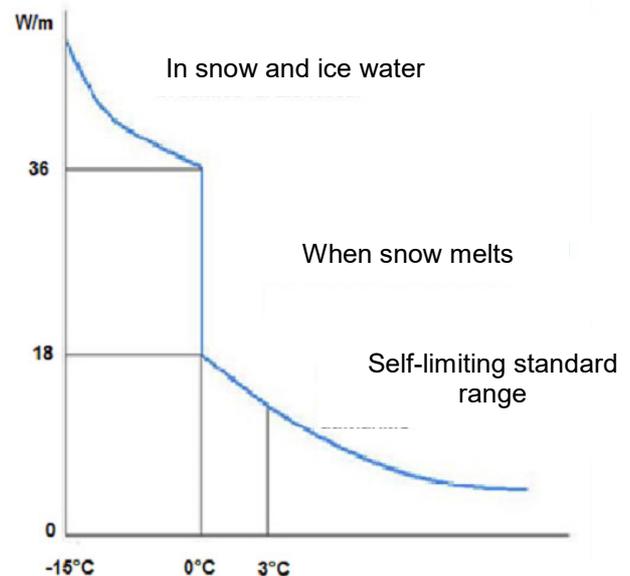
In relationship to used circuit breaker.

Start Temp.	10A	16A	20A	32A
+10°C	56	88	92	-
0°C	48	76	92	-
-15°C	36	58	74	92

Circuit breaker Type C to IEC 60898

## Thermal Ratings

Nominal output at 230V AC



## Power Output Multiplying Factors

Supply Voltage	Multiplying Factors
208VAC	0.93
220VAC	0.97
230VAC	1.00
240VAC	1.03
250VAC	1.06
277VAC	1.15