

# ROOF ULTRA

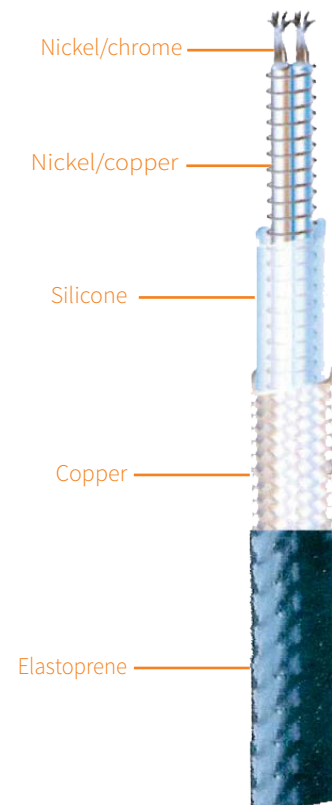
20, 30 & 40 W/m



## Technical data

Voltage	230 V ~ 50 Hz
Output	20, 30 & 40 W/m
Cable diameter (flat oval)	11.2 x 8.35 mm
Inner conductor	2x2 mm <sup>2</sup>
Distance between contact points	0.6 m
Min./Max temp.	120 °C / -40 °C
Min. bending radius	
Outer insulation	UV-resistant, Polyolefin
Warranty	10 years
Approval	CE
International standard	EN 62395

**We recommend that the Roof Ultra heating cable never operates at temperatures above 5°C.  
Monitor and adjust by means of thermostat or other control system.**



## Description

The parallel resistive heating cable is a resistance cable with a constant output.

The outer insulation of the cable is made of elastoprene which is specially designed for the protection of roofs, gutters and downspouts against frost. Elastoprene is very UV resistant, robust and flexible and therefore very easy to install.

The cable consists of short heating units placed one after another. The distance between the units is 60 cm. At the contact points, the built-in heating wire meets phase and neutral, which enables shortening of the cable to the desired length. The contact points can be seen and felt on the outer insulation of the cable. From the end of the cable to the first contact point, no heating is produced. The maximum length of the cold end therefore equals the distance between the contact points, i.e. 60 cm, and this part of the cable can be connected directly to a terminal or terminal block. The heating capacity of the cable does not change when the cable is shortened. Since the cable is a resistance cable, it does not require a large amount of starting current.

As a result, it is possible to install very long cables, which is one of the benefits of the parallel resistive cable. The maximum length of the cable is always the same, no matter the temperature conditions under which the cable is installed. Depending on the output of the cable, the maximum installation length is 100 – 150 m. The output is not reduced over the years as we know it from the self-limiting heating cable, and this means greater reliability and a longer service life. Furthermore, this high quality cable is made of the best raw materials - see the drawing of the structure. The cable should be connected to a thermostat for monitoring and, not least, energy-optimised operation.

Do not cross or overlap the cable during installation.

# Roof Ultra

Item no.	Type	Name	Output	Current	Max length
40012020	REL112E020	Roof Ultra	20 W/m	16 A	150 m
40012030	REL112E030	Roof Ultra	30 W/m	16 A	120 m
40012040	REL112E040	Roof Ultra	40 W/m	16 A	100 m

## Product benefits

- ❖ Can be shortened to desired length on-site.
- ❖ No issues regarding starting current as opposed to selflimiting cables and always the same output/power consumption no matter the ambient temperature.
- ❖ Built-in cold cable can be directly connected to thermostat.
- ❖ Cable design provides for easy connection to terminals.
- ❖ Elastoprene is very UV-resistant.
- ❖ Spans a large temperature range, from -40°C to +120°C.
- ❖ Very flexible and robust and thus very easy to install.
- ❖ No reduction of total output over time.
- ❖ High-quality materials provide for long service life.
- ❖ Available in many outputs, from 15 W/m to 90 W – not all types are stocked.
- ❖ 10-year product warranty.