



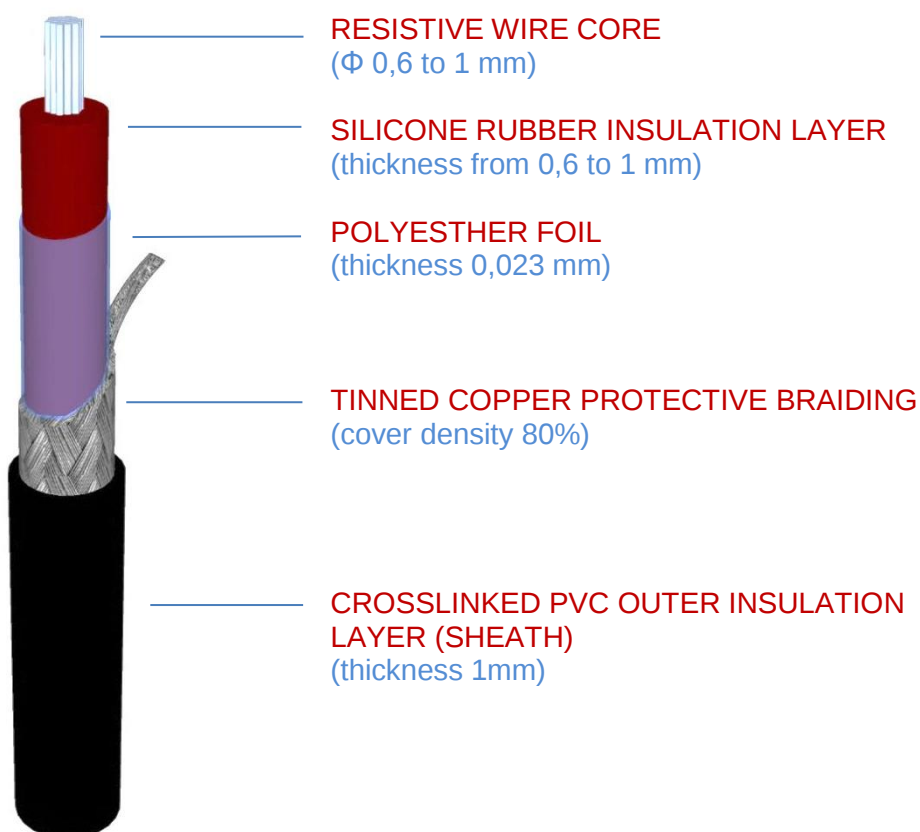
SPCA

Resistive wire heating cable

ELECTRIC
HEATING CABLES

Cables type SPCA are single core, resistive wire heating cables. The cables have a circular cross section and are very durable because of two-layer insulation and tinned copper protective braiding. Their special advantage is an **outer insulation layer that is resistant to high temperatures** (short term up to 180°C), which enables their **installation into asphalt**. The cables are used for per unit length power of up to 25 W/m.

MAXIMUM ALLOWED CABLE TEMPERATURE IS 90°C



Application area

- snow melting and deicing of outdoor asphalted surfaces
- snow melting and frost/ice protection of similar outdoor surfaces
- ice buildup protection of gutters, drains and similar vertical drainages

Technical characteristics

Available heating cable unit resistances $p[\Omega/m]$

0,14	0,20	0,30	0,45
0,65	1,00	2,04	6,00

- maximum allowed ambient temperature: from 6 to 7 mm
- specific mass: 0,07 kg/m
- minimum bending radius: 30 mm

- working voltage: up to 500 V
- test voltage: 3000 V
- insulation resistance: >1000 M Ω
- nominal resistance tolerance: -5 %/+10%

- resistance against ice, water and moisture: EXCELLENT
- resistance against most acids and lye: VERY GOOD
- resistance against UV: GOOD

$\Delta\theta [^{\circ}\text{C}]$

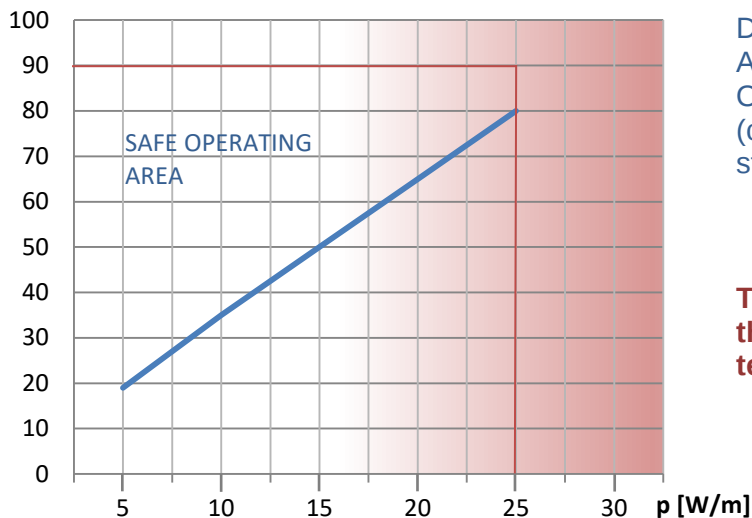
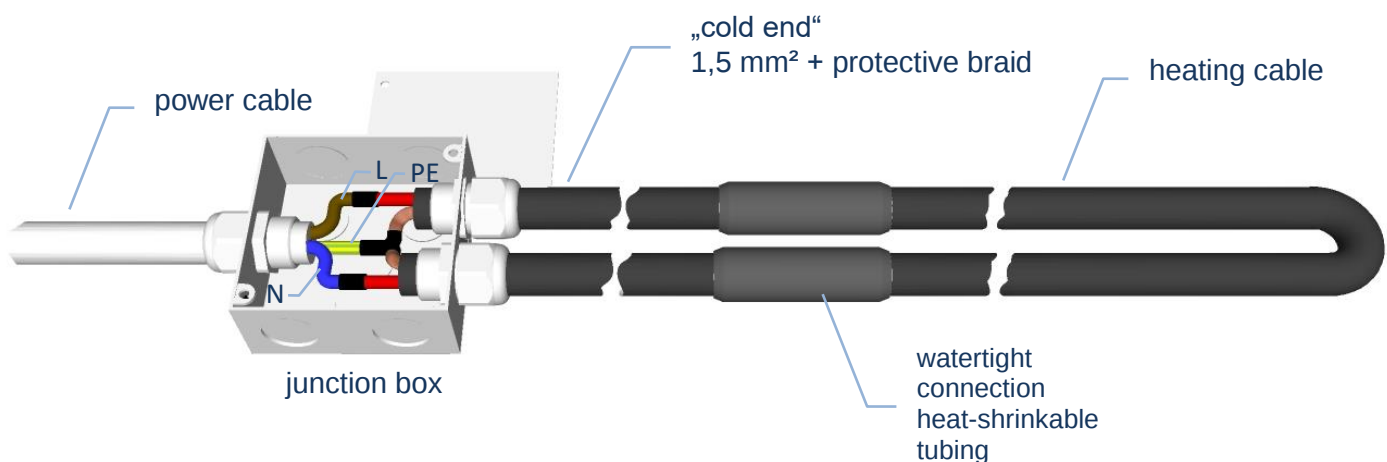


DIAGRAM DEPICTING CABLE TEMPERATURE ABOVE AMBIENT $\Delta\theta [^{\circ}\text{C}]$ IN DEPENDANCE OF CABLE UNIT POWER p [W/m] (cable temperature measured on outer sheath in still air)

The heating cable must be protected against thermal destruction with a thermostat set at temperature lower than 90°C.

At their beginning, all heating cables have a water tight connection (IP 68) between the heating cable and the so called „cold end“. The „cold end“ is the non-heating part of the cable made of standard power cable type Ga1,5. The „cold end“ standard length is 5 m.



With proper use the product is not harmful to humans or animals and is environmentally friendly.



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