



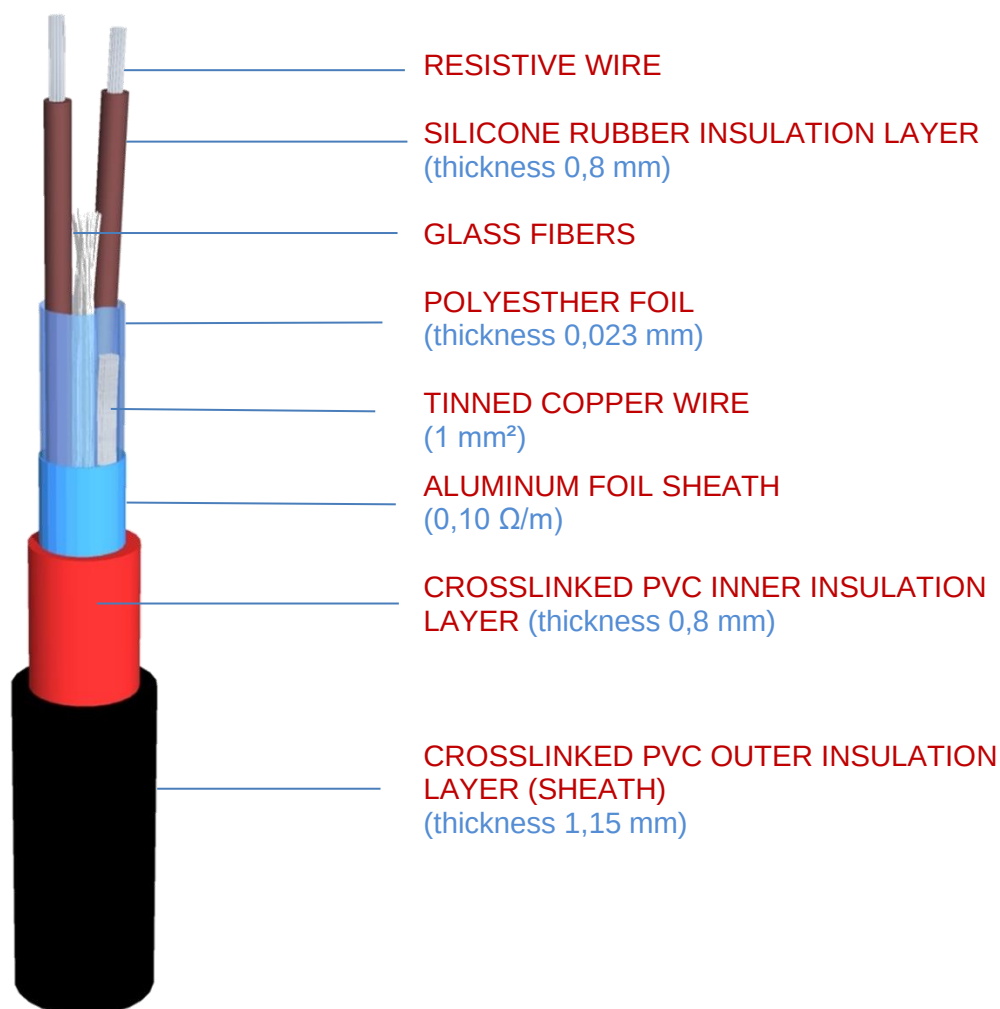
SSAPP

Resistive wire heating cable

ELECTRIC HEATING CABLES

SSAPP type heating cables are resistive-wire, two-core heaters with cores made of an electro-resistant alloy or copper (depending on cable length). They have a robust construction and circular cross-section, and excellent features provided by three-layer insulation with an aluminum foil sheath and an protective conductor made of tinned copper. Their special feature is the **temperature-resistant outer mantle**, which allows them to be installed in **asphalt** (they can tolerate a temperature of 200°C for up to 180 minutes). They are designed for loads of up to 40 W/m, and with good heat removal (e.g. installed in concrete) up to 50 W/m.

MAXIMUM ALLOWED CABLE TEMPERATURE IS 90°C



Application area

- snow melting and frost/ice protection in asphalt
- snow melting and frost/ice protection in concrete or similar materials
- ice buildup protection of gutters, drains and similar vertical drainages

Technical characteristics

Available heating cable unit resistances ρ [Ω/m]

0,048	0,078	0,1	0,12
0,16	0,20	0,28	0,36
0,4	0,5	0,6	

- cable dimensions: from 10,1 to 10,3 mm
- specific mass: 0,13 kg/m
- minimum bending radius: 90 mm

- working voltage: <500 V
- test voltage: 2500 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

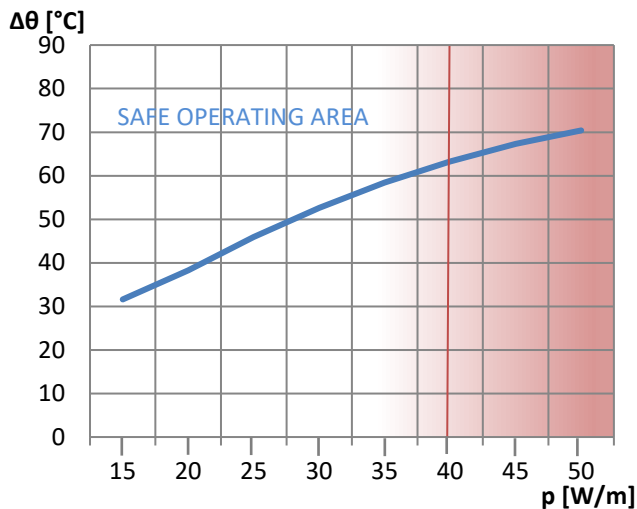
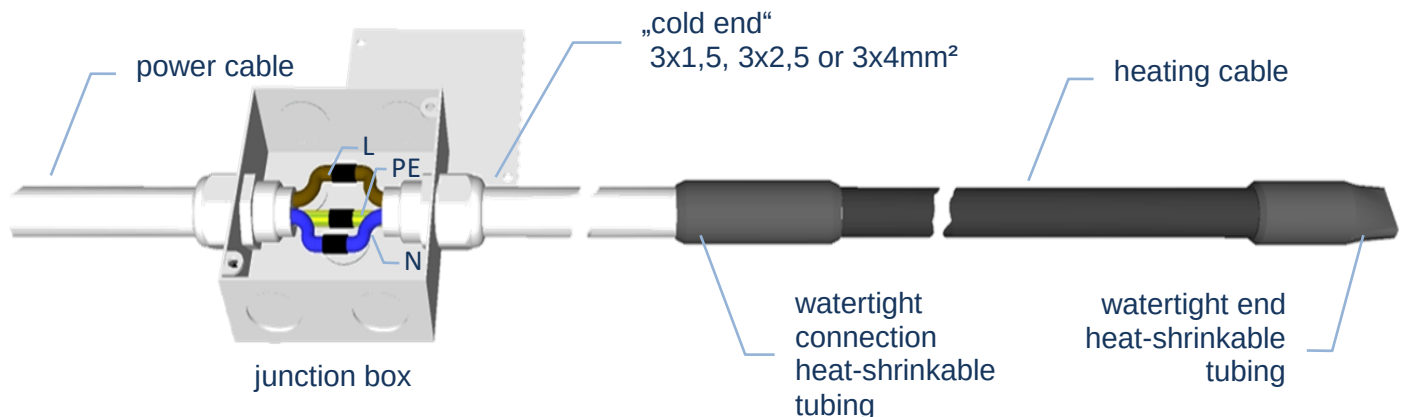


DIAGRAM DEPICTING CABLE TEMPERATURE ABOVE AMBIENT $\Delta\theta$ [°C] IN DEPENDANCE OF CABLE UNIT POWER p [W/m]
(cable temperature measured on outer sheath in still air)

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 H07RN-F or FG16OR16. The „cold end“ standard length is 2 m. The end of the heating cable is also water tight.



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