

Heating cable for underfloor heating

SH10 – 230 V, 10 W/m

Product codes:

Reference: AM8148

EAN13: -

UPC: 85168080



Product features:

Voltage: 220-240 V AC

Power consumption: 10 W/m

Color: Blue

Waterproof grade: IP67

Product attributes:

Length: 10 m, 15 m, 20 m, 25 m, 30 m,
35 m, 40 m, 50 m, 80 m, 100 m, 120 m,
150 m

Product description:

The SH10 heating cable is designed for electric underfloor heating in interiors. It is a reliable and proven solution for comfortable temperature control and the main source of heating of floor surfaces. Thanks to the constant power of 10 W per meter, it ensures even heat distribution and long-term stable operation at 230 V AC power supply.

Technical specifications

- Model: SH10
 - Type: heating cable for underfloor heating
 - Supply voltage: 230 V AC $\pm 10\%$
 - Specific power: 10 W/m
 - Number of wires: 2
 - Conductor material: copper
 - Wire type: stranded
 - Insulation: fluoropolymer
 - Outer sheath: PVC
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- Maximum ambient temperature: 105 °C
- Minimum installation temperature: 5 °C
- Minimum bending radius: 38 mm
- Cable outer diameter: 5 mm
- Power supply cable length: 2 m (black)
- Certification: CE, RoHS
- Application: indoor floor heating

How to choose the right length of heating cable

Choosing the right length of heating cable depends on the total power required and the size of the heated area. The SH10 cable has a fixed power of 10 W per meter of length, therefore the total power is calculated simply by multiplying the cable length.

- 10 m cable = 100 W
- 15 m cable = 150 W
- 20 m cable = 200 W
- 25 m cable = 250 W
- 50 m cable = 500 W

For underfloor heating, a surface power of 50–75 W/m² is commonly used, depending on the type of room, the composition of the floor and the level of thermal insulation. The cable length must be selected so that the total power corresponds to this value. The cable is never shortened – the correct length is always selected according to the design.

Expert explanation of the function

The SH10 heating cable works on the principle of resistance heating. After connecting to a 230 V AC network, an electric current flows through the conductor, which is converted into heat due to electrical resistance. This heat is evenly transferred to the floor structure, where it is accumulated and gradually radiated into the space.

The cable is intended for installation in screed, self-leveling compound or under tiles. For proper function and safe operation, it must always be used in conjunction with a floor thermostat and temperature sensor, which provide regulation and protection against overheating.

Ideal for

- Electric underfloor heating in bathrooms
- Living rooms and hallways
- Kitchen and utility rooms
- Additional and main interior heating

Package contents

- Heating cable SH10 of selected length
- Attached power cable 2 m

Important notice - working with 230 V voltage

- The product is powered by a mains voltage of 230 V AC.
- Installation may only be carried out by a qualified person in accordance with applicable electrical regulations.
- The heating cable must not be shortened, crossed or mechanically damaged.
- The connection must be made via a suitable thermostat and protective elements.
- Incorrect installation may result in damage to the device, electric shock, or fire.

Why choose this product?

- Proven heating cable with constant output
- Even and efficient heat distribution
- Suitable for long-term continuous operation
- Quality materials and CE certification
- Professional solutions for underfloor heating

Overview of available SH10 heating cable variants

The table below is used to quickly select the correct length of heating cable according to the required power. Each model has a fixed power of 10 W per meter and is designed for 230 V AC power supply.

Model	Total power	Voltage	Resistance at 20°C	Cable length	Power cable length	Outer diameter	Color
SH10-5	50W	220V	968 Ω	5 meters	2.25m	4.6 mm	±Blue
SH10-10	100W	220V	484 Ω	10 meters	2.25m	4.6 mm	±Blue
SH10-15	150W	220V	323 Ω	15 m	2.25m	4.6 mm	±Blue
SH10-20	200W	220V	242 Ω	20 m	2.25m	4.6 mm	±Blue
SH10-25	250W	220V	194 Ω	25 m	2.25m	4.6 mm	±Blue
SH10-30	300W	220V	161 Ω	30 m	2.25m	4.6 mm	±Blue
SH10-35	350W	220V	138 Ω	35 m	2.25m	4.6 mm	±Blue
SH10-40	400W	220V	121 Ω	40 m	2.25m	4.6 mm	±Blue

SH10-45	450W	220V	108 Ω	45 m	2.25m	4.6 1mm	±Blue
SH10-50	500W	220V	97 Ω	50 m	2.25m	4.6 1mm	±Blue
SH10-60	600W	220V	81 Ω	60 m	2.25m	4.6 1mm	±Blue
SH10-70	700W	220V	69 Ω	70 m	2.25m	4.6 1mm	±Blue
SH10-80	800W	220V	61 Ω	80 m	2.25m	4.6 1mm	±Blue
SH10-90	900W	220V	64 Ω	90 m	2.25m	4.6 1mm	±Blue
SH10-10	1000W	220V	48Ω	100 m	2.25m	4.6 1mm	±Blue
SH10-11	1100W	220V	44 Ω	110 m	2.25m	4.6 1mm	±Blue
SH10-12	1200W	220V	40 Ω	120 m	2.25m	4.6 1mm	±Blue
SH10-13	1300W	220V	37 Ω	130 m	2.25m	4.6 1mm	±Blue
SH10-14	1400W	220V	35 Ω	140 m	2.25m	4.6 1mm	±Blue
SH10-15	1500W	220V	32 Ω	150 m	2.25m	4.6 1mm	±Blue
SH10-20	2000W	220V	24 Ω	200 m	2.25m	4.6 1mm	±Blue

Some models may be made to order, contact us for more information!

Product gallery:

