

Heating cable for underfloor heating

SH20 – 230 V, 20 W/m

Product codes:

Reference: AM7738

EAN13: -

UPC: 85168080



Product features:

Voltage: 220-240 V AC

Power consumption: 20 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

Product description:

The SH20 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 20 W per meter, it ensures even heat distribution and long-term stable operation at 230 V AC power supply.

Technical specifications

- Model: SH20
 - Type: heating cable for underfloor heating
 - Supply voltage: 230 V AC $\pm 10\%$
 - Specific power: 20 W/m
 - Number of wires: 2
 - Conductor material: copper
 - Wire type: stranded
 - Insulation: fluoropolymer
 - Outer sheath: PVC
 - Maximum ambient temperature: 105 °C
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- 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 heating cable length

Choosing the right length of heating cable depends on the total power required and the size of the heated area. The SH20 cable has a fixed power of 20 W per meter of length, so the total power is calculated simply by multiplying the cable length.

- 10 m cable = 200 W
- 15 m cable = 300 W
- 20 m cable = 400 W
- 25 m cable = 500 W
- 50 m cable = 1000 W

For underfloor heating, an area output of 100–150 W/m² is commonly used, depending on the type of room, the floor structure and the level of thermal insulation. The cable length must be selected so that the total output 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 SH20 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 SH20 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 SH20 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 20 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 |
|---------|-------------|---------|--------------------|--------------|--------------------|----------------|-------|
| SH20-5 | 100W | 220V | 484 Ω | 5 meters | 2.25m | 4.6 mm | ±Blue |
| SH20-10 | 200W | 220V | 242 Ω | 10 meters | 2.25m | 4.6 mm | ±Blue |
| SH20-15 | 300W | 220V | 161 Ω | 15 m | 2.25m | 4.6 mm | ±Blue |
| SH20-20 | 400W | 220V | 121 Ω | 20 m | 2.25m | 4.6 mm | ±Blue |
| SH20-25 | 500W | 220V | 97 Ω | 25 m | 2.25m | 4.6 mm | ±Blue |
| SH20-30 | 600W | 220V | 81 Ω | 30 m | 2.25m | 4.6 mm | ±Blue |
| SH20-35 | 700W | 220V | 69 Ω | 35 m | 2.25m | 4.6 mm | ±Blue |
| SH20-40 | 800W | 220V | 61 Ω | 40 m | 2.25m | 4.6 mm | ±Blue |

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|---------------|------|------|-------|-------|------------|-------|
| SH20-45 900W | 220V | 54 Ω | 45 m | 2.25m | 4.6 1mm | ±Blue |
| SH20-50 1000W | 220V | 48Ω | 50 m | 2.25m | 4.6 1mm | ±Blue |
| SH20-60 1200W | 220V | 40 Ω | 60 m | 2.25m | 4.6 1mm | ±Blue |
| SH20-70 1400W | 220V | 35 Ω | 70 m | 2.25m | 4.6 1mm | ±Blue |
| SH20-80 1600W | 220V | 30 Ω | 80 m | 2.25m | 4.6 1mm | ±Blue |
| SH20-90 1800W | 220V | 27 Ω | 90 m | 2.25m | 4.6 1mm | ±Blue |
| SH20-10 2000W | 220V | 24 Ω | 100 m | 2.25m | 4.6 1mm | ±Blue |
| SH20-11 2200W | 220V | 22 Ω | 110 m | 2.25m | 4.6 1mm | ±Blue |
| SH20-12 2400W | 220V | 20 Ω | 120 m | 2.25m | 4.6 1mm | ±Blue |
| SH20-13 2600W | 220V | 19 Ω | 130 m | 2.25m | 4.6 1mm | ±Blue |
| SH20-14 2800W | 220V | 17 Ω | 140 m | 2.25m | 4.6 1mm | ±Blue |

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

Product gallery:

