

# Heating cable for underfloor heating SH20 – 230 V, 20 W/m

Reference: AM7738  
EAN13: -  
HS code: 85168080



## Product attributes:

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

## Product features:

Voltage: 220-240 V AC  
Power consumption: 20 W/m  
Color: Blue  
Waterproof grade: IP67

## 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
- 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/m<sup>2</sup> 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 performance	Voltage	Resistance 20 °C	atCable length	Power length	cableOuter diameter	Color
SH20-5	100W	220V	484 Ω	5 meters	2.25m	4.6 ± 1mm	Blue
SH20-10	200W	220V	242 Ω	10 meters	2.25m	4.6 ± 1mm	Blue
SH20-15	300W	220V	161 Ω	15 m	2.25m	4.6 ± 1mm	Blue
SH20-20	400W	220V	121 Ω	20 m	2.25m	4.6 ± 1mm	Blue
SH20-25	500W	220V	97 Ω	25 m	2.25m	4.6 ± 1mm	Blue
SH20-30	600W	220V	81 Ω	30 m	2.25m	4.6 ± 1mm	Blue
SH20-35	700W	220V	69 Ω	35 m	2.25m	4.6 ± 1mm	Blue
SH20-40	800W	220V	61 Ω	40 m	2.25m	4.6 ± 1mm	Blue
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
SH20-100	2000W	220V	24 Ω	100 m	2.25m	4.6 ± 1mm	Blue
SH20-110	2200W	220V	22 Ω	110 m	2.25m	4.6 ± 1mm	Blue
SH20-120	2400W	220V	20 Ω	120 m	2.25m	4.6 ± 1mm	Blue
SH20-130	2600W	220V	19 Ω	130 m	2.25m	4.6 ± 1mm	Blue
SH20-140	2800W	220V	17 Ω	140 m	2.25m	4.6 ± 1mm	Blue

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



