

FlexiWarm 10 heating cables

Data sheet



FlexiWarm 10 carbon fibre heating cables with silicone elastomer insulation, double-sided powered.

Heating cables are very versatile products due to their wide heating temperature range, high flexibility and light weight. The heating cables can be arranged in the form of lamellas with a large bending radius, coils and strands, as well as being formed into flexible heating mats or encapsulated into panels. Such heating elements can be used in applications of various scales (without direct UV exposure).

If the supply voltage is higher than that specified by ELV, i.e. 50 VAC or 120 VDC (IEC 61140:2016 *Protection against electric shock – Common aspects for installation and equipment*), an earthing braid connected to a residual current device (RCD) with a tripping current of 30 mA must be used on the heating cables.

The heating cables should be supplied with a thermoregulator.

The bending radius of the FlexiWarm 10 heating cable should be at least equal to its diameter.

FlexiWarm 10 cables comply with the requirements of IEC 60800:2021.

Parameters of the cable

Supply voltage	up to 400 V
Resistance	10 Ω /m ^{+10%} / _{-5%}
Cable diameter	3,6 _{-0,2} mm
Insulation thickness	0,88 _{-15%} mm
Mechanical class	M1
Minimum section*	15,80 m
Maximum working temperature	150°C
Maximum temperature permitted for a short period (max 10 min)	200°C

* The minimum section length is given for a 230 V cable.

