

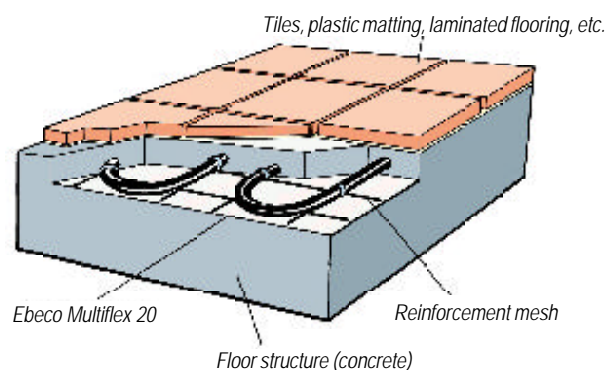
Installation instructions Multiflex 20

- HEATING CABLE FOR INSTALLATION IN CONCRETE FLOORS INDOORS OR CONSERVATORIES

NOTE! MULTIFLEX 20 MUST NOT BE INSTALLED BETWEEN TIMBER JOISTS.

NOTE! A QUALIFIED TECHNICIAN MUST INSTALL THE HEATING CABLE.

1. Check that the supplied material corresponds with the delivery note.
2. Measure the cable's insulation value, minimum 10 Mohm. Measure the cable's resistance, see the values in the table below, the value can vary with positive/negative 10%. Enter the values in the Guarantee Certificate.
3. When embedding in concrete the c-c spacing is normally 20-25 cm and the cable is cast about 50 mm under the completed floor surface. In conservatories the c-c spacing is usually 12-15 cm. Using this reduced centre-to-centre measurement (<15 cm) the cable can also be laid in a layer of screed with a minimum depth of 15 mm. In order to obtain more exact c-c spacing divide the installation area by the length of the cable.
4. If securing tape is used, secure this square to the cable's installation (c-c = 100 cm).
5. **You must not shorten the heating cable.** Only the cold cable may be shortened. The cable is manufactured with an integrated return, i.e. only one end (cold cable) needs to be connected to 230V.
6. Roll out the cable; start by the connection box. The cable is fixed to the securing tape (E 89 603 91 or E 89 609 68) or secured to the reinforcement bar using cables ties or the like. By the outer wall or windows it may be beneficial to lay the cable in half the c-c spacing (c-c = 100 mm) to minimize any draught. The cable's cold cable joint **must** be cast into the concrete.
7. One cable section must not lie over another section or be crossed. Minimum spacing 50 mm.
8. The heating cable must not cross expansion joints in the concrete.
9. The cable should be insulation and resistance measured once again both before and after it has been embedded. This is to ensure that the cable has not been damaged during laying. The values has to be entered in the Guarantee Certificate.
10. Control of the room temperature takes place using a thermostat with a floor sensor (thermostat EB-Therm 100, E 85 816 62 or EB-Therm 200, E 85 816 63). The sensor should be placed inside a conduit pipe, which is then laid in the screed or concrete between two runs, at least 0.5 m from the wall. Tape over the end of the conduit.
11. Secure the supplied sign by the distribution box also include a sketch of the cable installation.
12. The cable must not be used for at least 4 weeks after the completed jointing work, or according to the manufacturer's instructions.



E number	Designation	Length	Floor area		Output	Resistance
			Indoors	Conservatory		
E 89 607 00	Multiflex 20	10 m	2-3 m ²	1-1,5 m ²	200 W	260 Ohm
E 89 607 02	Multiflex 20	14 m	3-4 m ²	1,5-2 m ²	270 W	200 Ohm
E 89 607 04	Multiflex 20	17 m	4-5 m ²	2-2,5 m ²	350 W	150 Ohm
E 89 607 06	Multiflex 20	23 m	5-6 m ²	2,5-3 m ²	440 W	120 Ohm
E 89 607 08	Multiflex 20	27 m	6-8 m ²	3,5-4,5 m ²	550 W	97 Ohm
E 89 607 10	Multiflex 20	36 m	7-10 m ²	4,5-6 m ²	720 W	73 Ohm
E 89 607 12	Multiflex 20	44 m	9-12 m ²	6-7 m ²	870 W	61 Ohm
E 89 607 14	Multiflex 20	53 m	11-15 m ²	7-8 m ²	1090 W	49 Ohm
E 89 607 16	Multiflex 20	64 m	13-18 m ²	8-10 m ²	1290 W	41 Ohm
E 89 607 18	Multiflex 20	79 m	16-22 m ²	10-12 m ²	1560 W	33 Ohm
E 89 607 20	Multiflex 20	93 m	18-26 m ²	12-14 m ²	1840 W	29 Ohm
E 89 607 22	Multiflex 20	115 m	23-33 m ²	14-19 m ²	2350 W	23 Ohm

All loops are supplied with 1x 2,5 m cold cable. Voltage 230V.