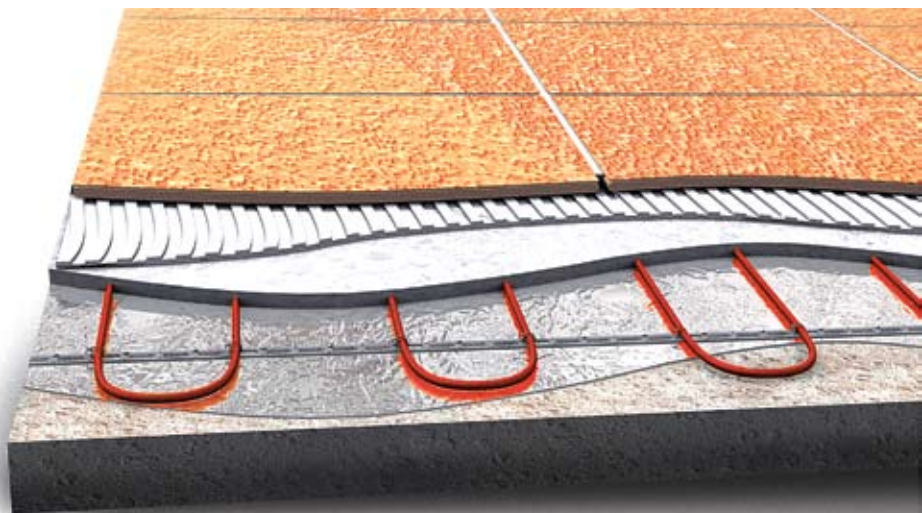


FEATURES

- Maximum cost and energy saving
- Wide range of heating cable power outputs
- Wide range of application possibilities
- Long-life performance
- Easy handling



DESCRIPTION

Application

The TLBE heating sections are applied as a basic heating system in thermal insulated buildings when it is impossible to use a central heating system and as a supplementary system for comfortable floor heating. These systems are excellently applicable for installation in screeded floors and can be used under any covering of your choice: tile, marble or carpet.

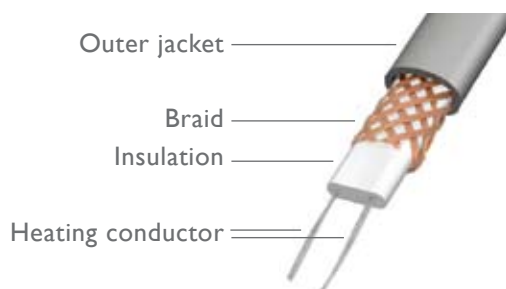
Construction

The double-core heating section TLBE consists of a shielded heating cable with two cores, one coupling, one cold lead and a cable termination. Due to the double-core design of the heating cable, the electric power is supplied from one end of the section, which makes the installation process easier.

The TLBE heating sections are used in combination with thermostats. Therefore the consuming power of the system will be less than the installed power (up to 70% in winter and about 10% in spring and in autumn).

CABLE DESIGN

Double-core heating cable BNK



TECHNICAL DATA

Rated voltage	230VAC
Maximum operation temperature	80 °C
Minimum operation temperature	- 10 °C
Minimum storage temperature	- 20 °C
Minimum installation temperature	- 10 °C
Minimum bending radius	30 mm
Cold lead length	3 m
Cable diameter	5,5-7,8 mm

PRODUCT REFERENCES

Double-core heating section TLBE				
Section type	Heating area recommended, m ²	Rated power, W	Nominal power output, W/m	Section length, m
TLBE-7-105	0,7–1,0	105	15,0	7,0
TLBE-9,5-150	1,0–1,5	150	15,8	9,5
TLBE-12,5-210	1,5–2,0	210	16,8	12,5
TLBE-15,5-260	1,7–2,6	260	16,8	15,5
TLBE-21-350	2,3–3,4	350	16,7	21,0
TLBE-27-460	3,0–4,3	460	17,0	27,0
TLBE-33-560	3,7–5,5	560	17,0	33,0
TLBE-42-730	4,8–7,2	730	17,4	42,0
TLBE-55-980	6,5–9,6	980	17,8	55,0
TLBE-71-1265	8,0–12,0	1265	17,8	71,0
TLBE-84-1500	10–14,8	1500	17,9	84,0
TLBE-102-1855	12,3–17,0	1855	18,2	102,0
TLBE-131-2530	16,8–25	2530	19,3	131,0
TLBE-159-2680	17,8–26	2680	16,9	159,0

DELIVERY SET



Temperature sensor TST02



Corrugated tube



Assembly tape

INSTALLATION

For evenly heat distribution the heating sections are installed in loops with constant spacing by using the assembly tape. For the installation of the heating section an additional thermostat with an appropriate temperature sensor is required. The temperature sensor is also embedded in the cement mortar. It should be placed in a corrugated tube in the middle of one cable loop. The thermostat should be mounted on the wall in the most suitable place for you.

Applicable norms, rules and data sheets as well as instructions and manuals are to be followed!

Please use for detailed installation instructions the "I-WARM Cable heating system installation manual" INST-1001

APPROVAL DETAILS

The compliance with all necessary requirements is approved by appropriate Certificates:



RoHS Directive