



# TEPLOLUXE<sup>®</sup>

LIVE IN COMFORT



Catalogue of products



The Company "Special systems and technologies" ("SST") is one of the leading world manufacturers and distributors of the systems ensuring comfort and house safety, industrial electrical heating systems, radioelectronic and regulating equipment.

The "SST" ensures competitive advantages for its partners by providing high quality services and innovative products, integrated services and all-around support of business development.

## Our values

Customers, staff and society are priority values of the company "Special systems and technologies":

- We build long-term partner relations with our customers offering high quality service during the whole life-cycle of our products.
- We appreciate the creative and scientific potential of our staff thanks to whom all innovative solutions and projects of the company come true.
- We aim to improve life of the community and preserve the environment, manufacturing products that are eco- and human-friendly, safe and energy saving.

## The world's leading authority in the field of electrical heating since 1991

The "SST" plant in Moscow region is the largest European enterprise manufacturing heating cables and systems. During more than 20-year history, the company "SST" has manufactured more than one million kilometers of heating cable, about 4 million "warm floor" systems and more than 3.5 million thermostats. A chain of "SST" offices and service centers operates in all Russian regions and CIS countries. The heating systems manufactured by SST, are supplied into 40 countries all over the world including Germany, France, China, United Arab Emirates, Brazil. The quality management system of "SST" is approved on compliance with standards ISO 9001:2008 and GOST ISO 9001-2011. The products of "SST" meets international standard requirements, which is approved by the largest world Certification Bodies.



## Electrical warm floors

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# Teploluxe

Made in Russia –  
internationally known!



### A trustworthy trademark

"Teploluxe" embodies comfort and reliability for millions of consumers all over the world. In 2010, the "Teploluxe" was acknowledged as the most recognizable trademark of warm floors in Russia. The warm floor "Teploluxe" is one of the most reliable and durable heating systems, its life period is at least 50 years, and the manufacturer warranty is 25 years. A unique "Teploluxe Profi" series – the first warm floor with a life-time warranty.

### A unique line of equipment for a home comfort

At the present day, under the trademark "Teploluxe", "Special systems and technologies" company offers the widest range of electrical warm floors: heating sections and heating mats based on single-core and double-core cables. A model line-up of "Teploluxe" thermostats including remotely controlled models, has no analogues in Russia. The "Teploluxe-Express", "Teploluxe-Carpet" and "Teploluxe-Mirror" have become popular among consumers. A range of products for home comfort is conveniently completed with stylish metal towel dryers and elegant glass towel dryers "Teploluxe".

### Key component of successful business

Representing "Teploluxe" equipment is prestigious and advantageous. The steady monitoring of our clients' needs allows the "SST" company to design topical and asked-for products, trustworthy for customers. The recognizable trademark among consumers, technical and marketing sales support, regular advertising campaigns in the federal mass media, wide service centres chain are the main components of successful business for partners and resellers of the "SST" company.



# Warm floor



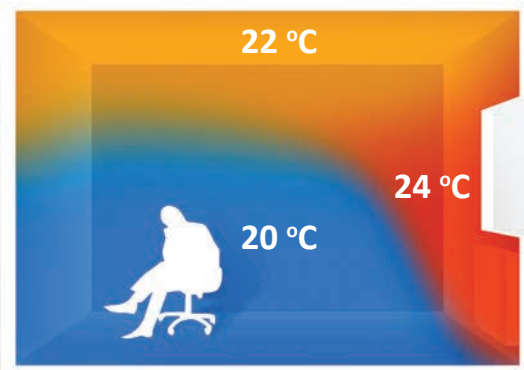
## **Installation of the "warm floor" system –**

a modern and ecological solution for optimal maintenance of a specified temperature in the house or office. Warm floor creates cosy and warm atmosphere in your flat, country house or summer cottage.

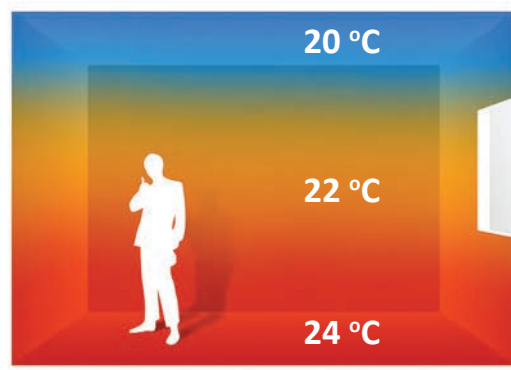
The application of a thermostat makes the warm floor a cost-effective solution.

## Premium Class Comfort

Installation of an electrical warm floor is an excellent way to create warm comfortable conditions in premises. Warm floor can be applied as a main or supplementary heating system.



Central heating



Cable warm floor

## Ecologically clean warmth

Warm floor has a favorable influence on the whole family health. Kids play with pleasure on its kindly warm surface.

## Aesthetic and design

As compared with traditional heat sources, the "warm floor" systems are completely invisible. You get more possibilities for interior decoration.

## Simple installation

The "warm floor" systems are easy to install even onto an existing floor base. These systems are compatible with all types of decorative coverings.

## Cost effectiveness and longevity

The warm floor allows to reduce heating costs – application of thermostats with heating programming function allows to reduce power consumption by 70%. The warm floor is one of the safest heating systems, its service life is more than 50 years.

## Solutions for any ideas

### Main heating

#### Single-core cable

Heating section  
TLOE

#### Double-core cable

Heating mat  
TROPIX 200 W/m<sup>2</sup>

Heating mat  
ProfiMat 160

Heating section  
TLBE

Heating section  
ProfiRoll

### Comfortable heating

#### Single-core cable

Heating mat  
MiNi

Heating section  
TLOE

#### Double-core cable

Heating mat  
TROPIX 130–160 W/m<sup>2</sup>

Heating mat  
ProfiMat 120

Heating section  
TLBE

Heating section  
ProfiRoll

# Teploluxe TROPIX

## Double-core heating mats

The double-core heating mats Teploluxe TROPIX are designed for comfortable floor heating in premises of any type. The mat is easily laid in a thin (8–10 mm) tile adhesive layer and can be used under any floor covering: tile, marble, laminate, linoleum or carpet covering. The mat can be mounted both onto a new floor base and the existing floor in case of repair of premises, especially when it is important to hold a small floor thickness.



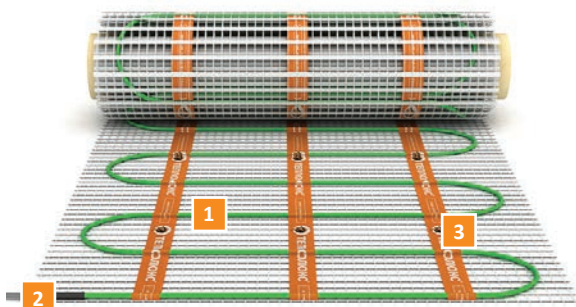
### Advantages

- **25 years warranty**
- Availability of the line of increased power mats (200 W/m<sup>2</sup>) for "cold premises" (first floors, loggias, balcony, winter garden) as well as for use as the main heating.
- Optimal to ensure comfortable temperature of a floor surface of such floor coverings as tile, ceramic granite.
- Installation convenience – the cable is already laid and fixed on a mesh

### Technical data of the cable

Rated voltage	220 VAC
Maximum operating temperature	90 °C
Minimum operating temperature	-10 °C
Minimum storage temperature	-20 °C
Minimum installation temperature	-10 °C
Length of installation wire	2 m
Cable diameter	3,5–5,0 mm

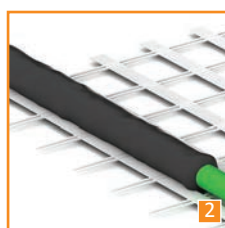
### Construction



1. The risks of multi-wire cores' breaking and contact loss in a coupling are minimized.
2. Screen made of aluminium-polyester band – an important element of electromagnetic safety of a warm floor.
- 3, 4. Insulation and jacket ensure an extended service life.



The cable thickness is less than 4 mm, which allows to apply a minimum layer of tile adhesive.



Space-saving pressed coupling – innovative solution ensuring the highest reliability.



Cable is reliably fixed on a synthetic fiberglass mesh which is not deformed at the laying.



# Technical data of mats Teploluxe TROPIX

## Double-core heating mat Teploluxe TROPIX 130 W/m<sup>2</sup>

Mat type	Area, m <sup>2</sup>	Power, W	Length of cable, m	Current, A
MHH-130-1,00	1,00	130	10,5	0,6
MHH-170-1,30	1,30	170	14,0	0,8
MHH-215-1,50	1,50	215	17,0	1,0
MHH-285-2,00	2,00	285	24,0	1,3
MHH-375-2,50	2,50	375	30,0	1,7
MHH-480-3,00	3,00	480	35,0	2,2
MHH-535-3,50	3,50	535	42,0	2,4
MHH-630-4,50	4,50	630	51,0	2,9
MHH-770-5,50	5,50	770	64,0	3,5
MHH-900-6,50	6,50	900	73,0	4,1
MHH-1010-7,50	7,50	1010	81,0	4,6
MHH-1180-8,50	8,50	1180	97,0	5,4
MHH-1455-10,50	10,50	1455	119,0	6,6
MHH-1655-12,00	12,00	1655	131,0	7,5
MHH-1895-13,50	13,50	1895	160,0	8,6

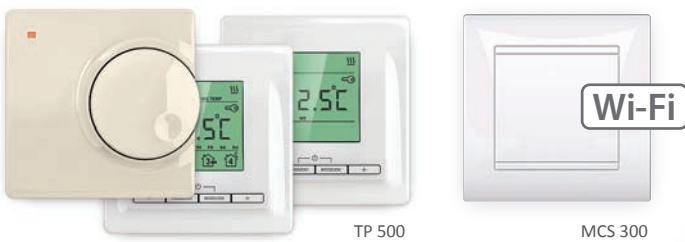
## Double-core heating mat Teploluxe TROPIX 200 W/m<sup>2</sup>

Mat type	Area, m <sup>2</sup>	Power, W	Length of cable, m	Current, A
MHH-200-1,00	1,00	200	12,0	0,9
MHH-260-1,30	1,30	260	19,0	1,2
MHH-300-1,50	1,50	300	21,5	1,4
MHH-400-2,00	2,00	400	28,0	1,8
MHH-500-2,50	2,50	500	34,0	2,3
MHH-600-3,00	3,00	600	38,0	2,7
MHH-700-3,50	3,50	700	45,0	3,2
MHH-900-4,50	4,50	900	59,0	4,1
MHH-1100-5,50	5,50	1100	74,0	5,0
MHH-1300-6,50	6,50	1300	88,0	5,9
MHH-1500-7,50	7,50	1500	100,0	6,8
MHH-1700-8,50	8,50	1700	111,0	7,7
MHH-2100-10,50	10,50	2100	140,0	9,5
MHH-2400-12,00	12,00	2400	154,0	10,9
MHH-2700-13,50	13,50	2700	178,0	12,3

## Delivery kit

- Double-core heating mat Teploluxe TROPIX
- Corrugated tube for sensor with a blanking plug
- Manual
- Technical certificate

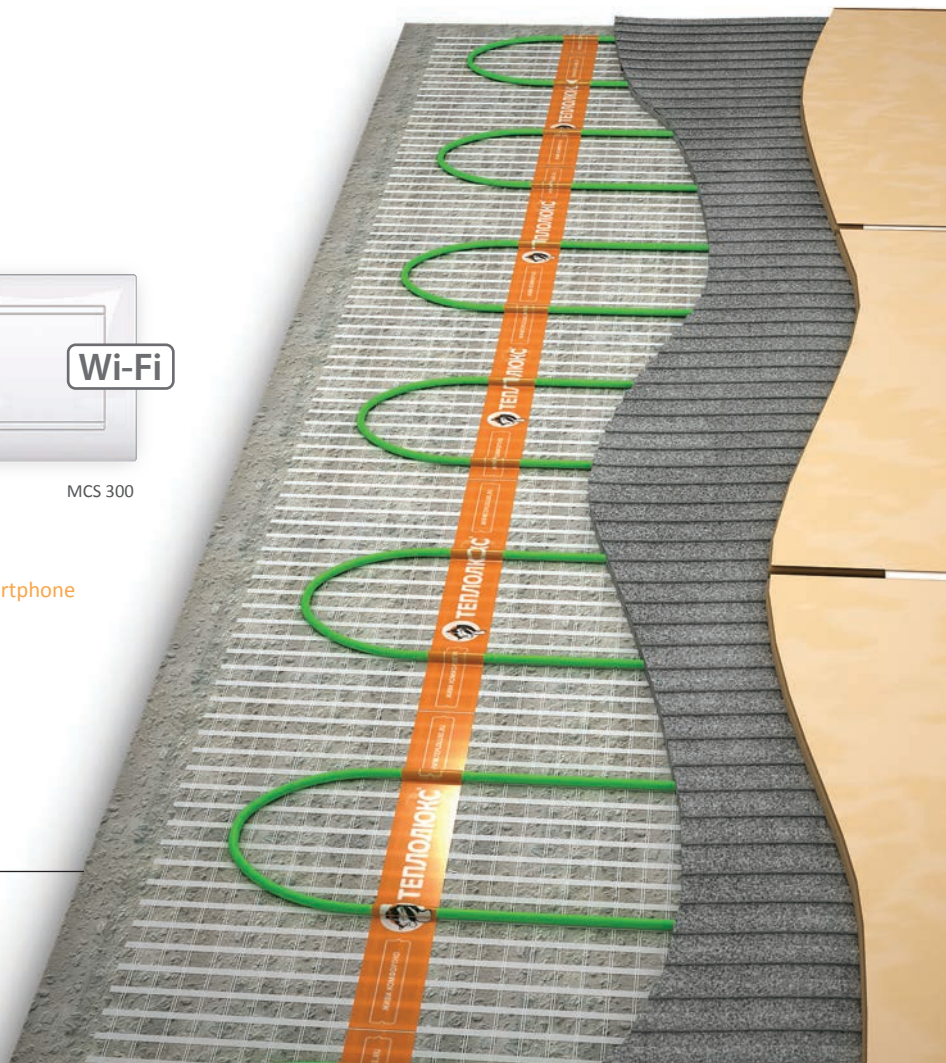
## We recommend:



Thermostats of **TP 500** series  
and **MCS 300** – remote control system by using of a smartphone

Details on page 20

## Approval details



# Teploluxe MINI

## Single-core heating mats

The single-core heating mats Teploluxe MiNi are applied for comfortable floor heating. They can be used under any covering of your choice: tile, marble, laminate, linoleum or carpet covering. Acceptable for any type of premises and can be mounted both onto a new floor base and onto the existing floor in case of repair of premises, especially when it is important to hold small thickness of the floor construction.



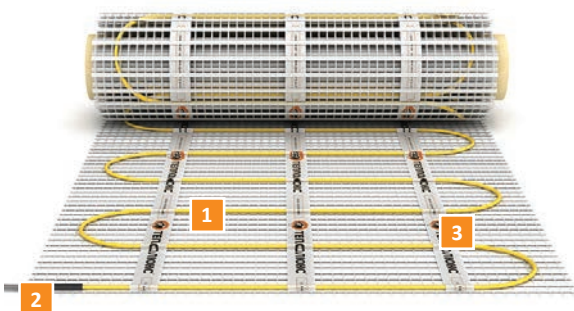
### Advantages

- 25 years warranty
- Classical solution for not screed coated floors
- Installation convenience – the cable is already laid and fixed on a mesh
- Affordable price
- Fast and uniform heating

### Technical data of cable

Rated voltage	220 VAC
Maximum operating temperature	70 °C
Minimum operating temperature	-10 °C
Minimum storage temperature	-20 °C
Minimum installation temperature	-10 °C
Length of installation wire	4 m+4 m (for mats with the heating area up to 3,6 m <sup>2</sup> ) 4 m+8 m (for mats with the heating area up to 4,2 m <sup>2</sup> and more)
Cable diameter	3,6–4,1 mm

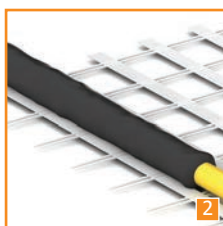
### Construction



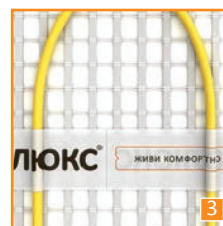
1. The risks of multi-wire cores' breaking and contact loss in a coupling are minimized.
2. Screen made of aluminium-polyester band – an important element of electromagnetic safety of a warm floor.
- 3, 4. Insulation and jacket ensure an extended service life.



The cable thickness allows to apply a minimum layer of tile adhesive.



Space-saving pressed coupling – an innovative solution ensuring the highest reliability.



Cable is reliably fixed on a synthetic fiberglass mesh which is not deformed at the laying.

# Technical data of mats Teploluxe MiNi

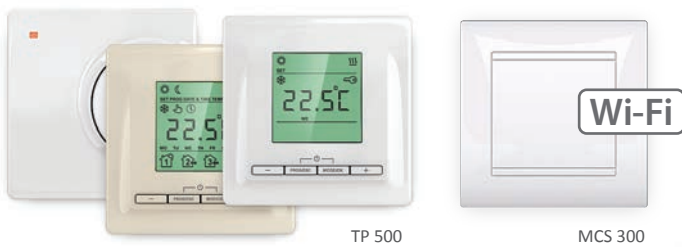
## Single-core heating mat Teploluxe MiNi 140-160 W/m<sup>2</sup>

Mat type	Area, m <sup>2</sup>	Power, W	Length of cable, m	Current, A
MH-105-0,65	0,65	105	12,7	0,5
MH-155-1,00	1,00	155	17,0	0,7
MH-200-1,40	1,40	200	23,5	0,9
MH-250-1,80	1,80	250	29,0	1,1
MH-345-2,30	2,30	345	39,0	1,6
MH-440-3,00	3,00	440	51,0	2,0
MH-540-3,60	3,60	540	62,0	2,5
MH-640-4,20	4,20	640	70,0	2,9
MH-760-5,00	5,00	760	85,0	3,5
MH-930-6,00	6,00	930	105,0	4,2
MH-1070-7,00	7,00	1070	122,0	4,9
MH-1180-8,00	8,00	1180	137,0	5,4
MH-1420-9,50	9,50	1420	160,0	6,5
MH-1700-11,50	11,50	1700	200,0	7,7
MH-1960-13,00	13,00	1960	220,0	8,9
MH-2300-15,30	15,30	2300	261,0	10,5

## Delivery kit

- Single-core heating mat Teploluxe MiNi
- Corrugated tube for sensor with a blanking plug
- Manual
- Technical certificate

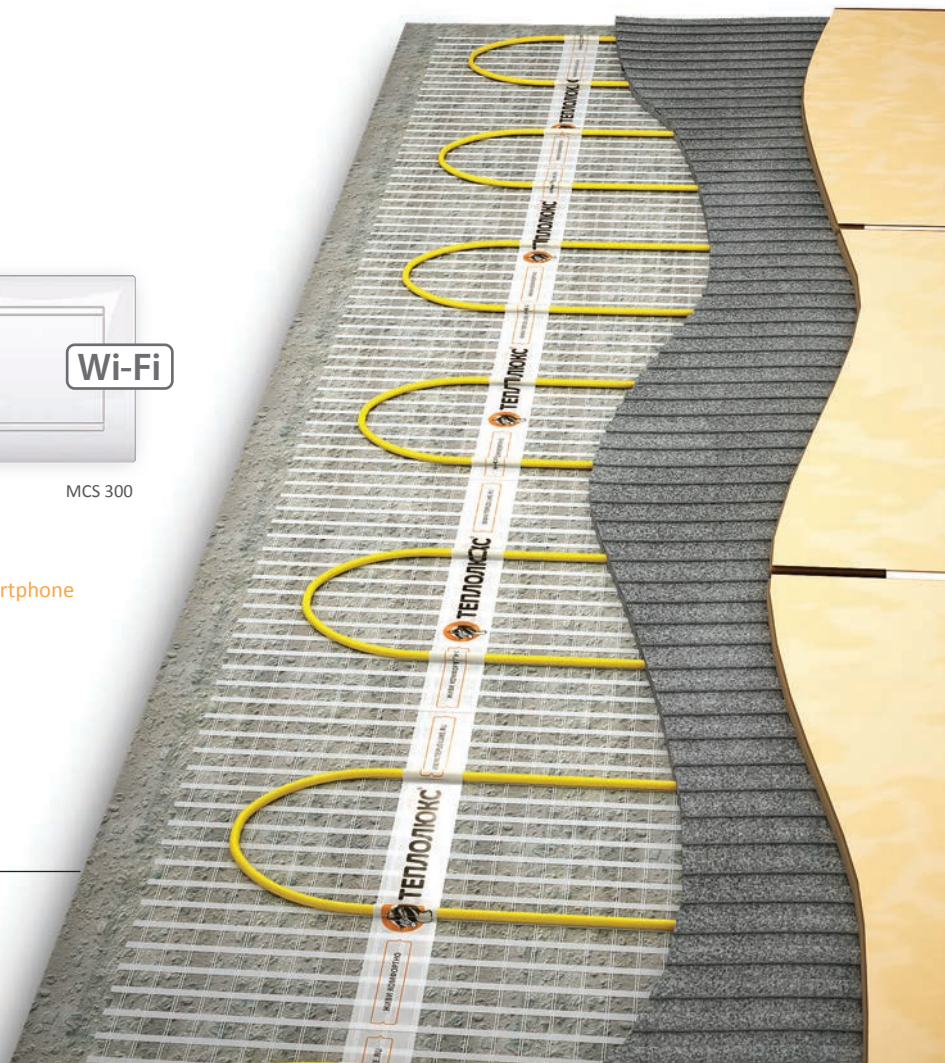
## We recommend:



Thermostats of **TP 500** series and **MCS 300** – remote control system by using of a smartphone

Details on page 20

## Approval details



# Teploluxe TLBE

## Double-core heating sections

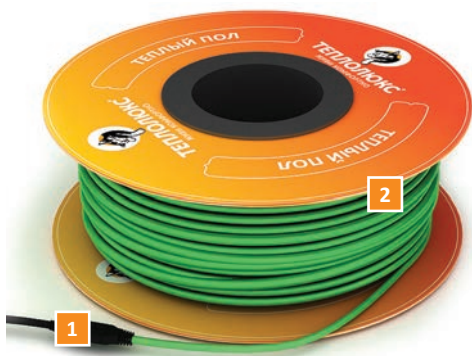
The double-core heating sections Teploluxe TLBE are applied as a main heating system and as a comfortable warming system for cold floors. These systems are perfectly suitable for installation into screed coated floors and under any decorative coverings: tile, marble, laminate, linoleum or carpet covering.



### Advantages

- **Multi-purpose** – the section can be installed in premises of various purpose and configuration
- 25 years warranty
- Double-core cable ensures installation convenience

### Construction



A reliable pressed coupling is made on automated line by compound filling under pressure.

### Technical data of cable

Rated voltage	220 VAC
Maximum operating temperature	70 °C
Minimum operating temperature	-10 °C
Minimum storage temperature	-20°C
Minimum installation temperature	-10°C
Minimum bending radius	30 mm
Length of installation wire	2 m
Cable diameter	5,40–7,67 mm



1. The risks of multi-wire cores' breaking and contact loss in a coupling are minimized.
2. Screen made of aluminium-polyester band – important element of electromagnetic safety of a warm floor.
- 3,4. Insulation and jacket ensure a long-term durability.



For unwinding convenience at installation, sections are delivered on a reel.

# Technical data of sections Teploluxe TLBE

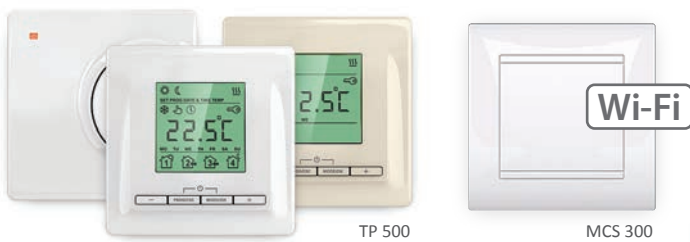
## Double-core heating section TLBE 15-20 W/m

Section type	Power, W	Length of cable, m	Current, A
20TLBE2-5-100	100	5,0	0,5
15TLBE2-13-190	190	13,0	0,9
15TLBE2-18-270	270	18,0	1,2
17TLBE2-21-340	340	21,0	1,5
18TLBE2-23-420	420	23,0	1,9
20TLBE2-26-520	520	26,0	2,4
20TLBE2-32-630	630	32,0	2,9
20TLBE2-42-800	800	42,0	3,6
20TLBE2-48-900	900	48,0	4,1
20TLBE2-63-1200	1200	63,0	5,5
20TLBE2-75-1400	1400	75,0	6,4
20TLBE2-100-2000	2000	100,0	9,1
20TLBE2-127-2540	2540	127,0	11,5
20TLBE2-161-3220	3220	161,0	14,6

## Delivery kit

- Double-core heating section Teploluxe TLBE
- Corrugated tube for sensor with a blanking plug
- Mounting tape
- Manual
- Technical certificate

## We recommend:



Thermostats of **TP 500** series and **MCS 300** – remote control system by using of a smartphone

Details on page 20

## Approval details



Certificate of Conformity



# Teploluxe TLOE

## Single-core heating sections

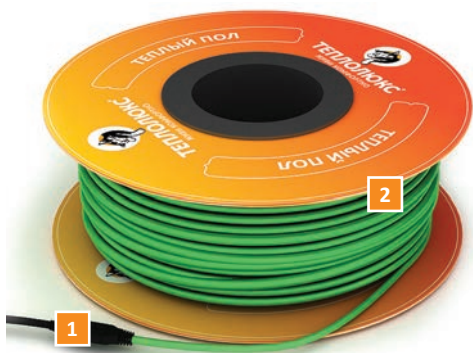
The single-core heating sections Teploluxe TLOE are applied as a main heating system and as a comfortable warming system for cold floors. These systems are perfectly suitable for installation into screed coated floors and can be applied with any decorative covering: tile, marble, laminate, linoleum or carpet covering.



### Advantages

- **Affordable price**
- 25 years warranty
- Multi-purpose – can be installed in premises of various purpose and configuration
- Durability and safety

### Construction



A reliable space-saving pressed coupling is made on automated line by compound filling under pressure.

### Technical data of cable

Rated voltage	220 VAC
Maximum operating temperature	70 °C
Minimum operating temperature	-10 °C
Minimum storage temperature	-20 °C
Minimum installation temperature	-10 °C
Minimum bending radius	30 mm
Length of installation wire	2 m
Cable diameter	5,4–6,2 mm



1. The risks of multi-wire cores' breaking and contact loss in a coupling are minimized.
2. Screen made of aluminium-polyester band – important element of electromagnetic safety of a warm floor.
- 3,4. Insulation and jacket ensure a long-term durability.



For unwinding convenience at installation, sections are delivered on a reel.

# Technical data of sections Teploluxe TLOE

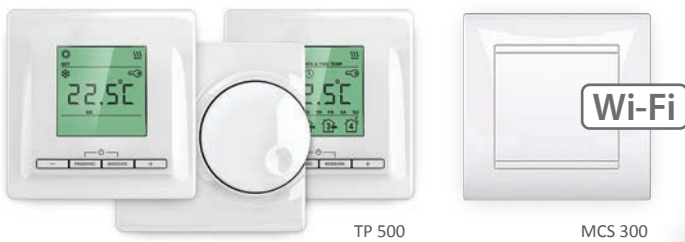
## Single-core heating section TLOE 14-20 W/m

Section type	Power, W	Length of cable, m	Current, A
14TLOE2-10-140	140	10,0	0,6
15TLOE2-13-190	190	13,0	0,9
15TLOE2-18-270	270	18,0	1,2
15TLOE2-21-330	330	21,0	1,5
20TLOE2-30-590	590	30,0	2,7
18TLOE2-38-700	700	38,0	3,2
20TLOE2-42-800	800	42,0	3,6
20TLOE2-48-900	900	48,0	4,1
21TLOE2-50-1050	1050	50,0	4,8
20TLOE2-63-1200	1200	63,0	5,5
20TLOE2-75-1400	1400	75,0	6,4
20TLOE2-90-1800	1800	90,0	8,2
20TLOE2-105-2100	2100	105,0	9,5
20TLOE2-125-2500	2500	125,0	11,4
20TLOE2-170-3400	3400	170,0	15,5

## Delivery kit

- Single-core heating section Teploluxe TLOE
- Corrugated tube for sensor with a blanking plug
- Mounting tape
- Manual
- Technical certificate

## We recommend:



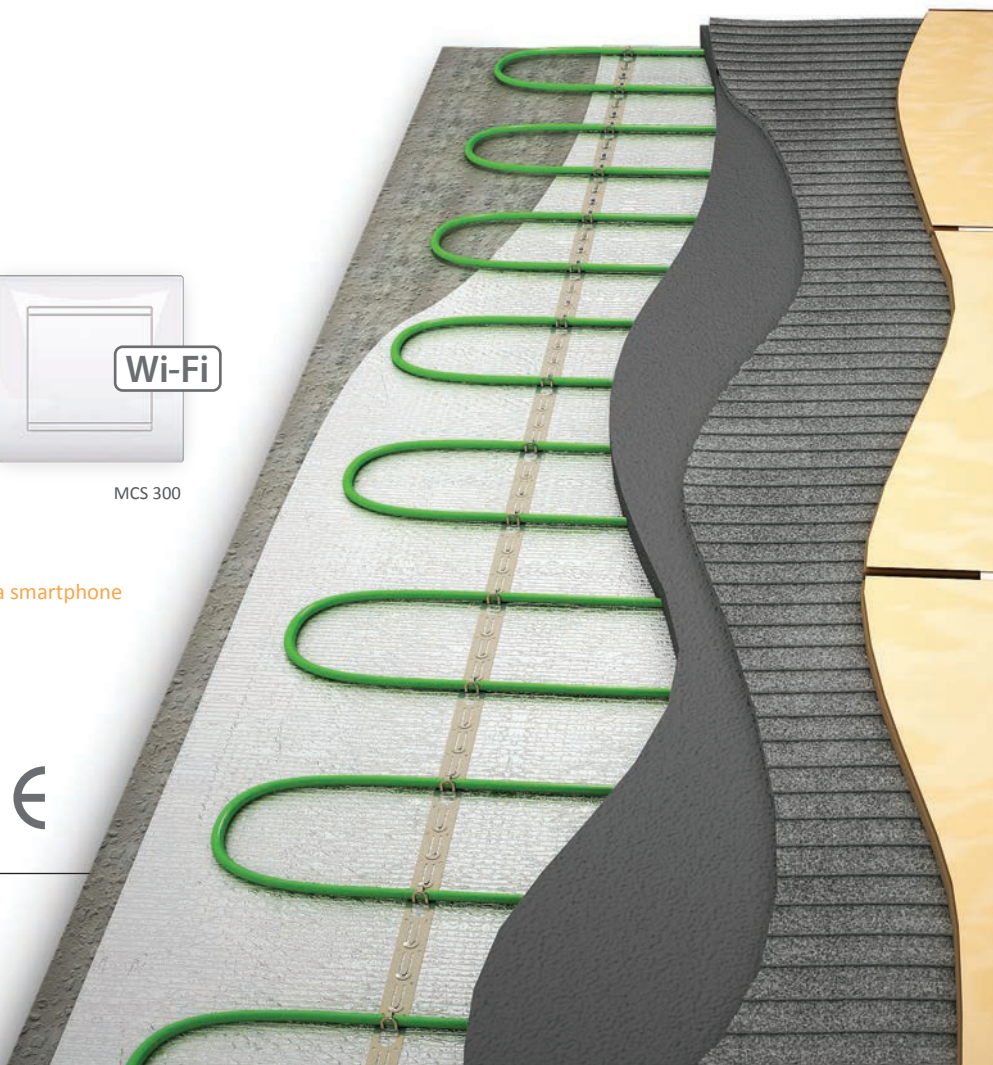
Thermostats of **TP 500** series and **MCS 300** – remote control system by using of a smartphone

Details on page 20

## Approval details



Certificate of Conformity



# TeploLuxe ProfiRoll

## Double-core heating sections

The double-core heating sections TeploLuxe ProfiRoll are applied as a main heating system for premises and as a comfortable warming system for floor surfaces. These systems are perfectly suitable for installation into screed coated floors and can be applied with any decorative covering of your choice: tile, marble, laminate, linoleum or carpet covering in a flat, house, summer cottage, industrial and office premises.



### Advantages

- **Lifetime warranty**
- Innovative construction of a connection coupling ensures increased reliability
- Extended line of sections (18 dimension types) allows to choose a kit depending on the premises purpose, covering and heating type

### Technical data of cable

Rated voltage	220 VAC
Maximum operating temperature	90 °C
Minimum operating temperature	-10 °C
Minimum storage temperature	-20 °C
Minimum installation temperature	-10 °C
Minimum bending radius	30 mm
Length of installation wire	2 m
Cable diameter	5,7–6,5 mm

### Construction



1. The risks of multi-wire cores' breaking and contact loss in a coupling are minimized.
2. Screen made of aluminium-polyester band – important element of electromagnetic safety of a warm floor.
- 3,4. The most modern imported materials with improved characteristics and increased lifetime are used for insulation and cable jacket.



A new construction of the maximum protected and reliable ribbed coupling ensures improved heat removing, complete sealing and protection of a heating cable.



Reduced rated power 14 W/m allows to apply smaller laying pitch that gives a more uniform heating and a possibility to avoid the "zebra effect" as well as ensures longevity of the cable which means its effective operation and absolute safety.



# Technical data of sections Teploluxe ProfiRoll

Double-core heating section Teploluxe ProfiRoll 14 W/m

Section type	Power, W	Length of cable, m	Current, A
ProfiRoll-160	160	11,0	0,7
ProfiRoll-200	200	14,0	0,9
ProfiRoll-240	240	17,5	1,1
ProfiRoll-320	320	23,0	1,5
ProfiRoll-400	400	28,5	1,8
ProfiRoll-480	480	35,0	2,2
ProfiRoll-600	600	47,0	2,7
ProfiRoll-720	720	55,0	3,3
ProfiRoll-800	800	61,0	3,6
ProfiRoll-960	960	70,5	4,4
ProfiRoll-1120	1120	80,5	5,1
ProfiRoll-1280	1280	89,0	5,8
ProfiRoll-1400	1400	97,0	6,4
ProfiRoll-1600	1600	114,0	7,3
ProfiRoll-1800	1800	131,0	8,2
ProfiRoll-1920	1920	138,0	8,7
ProfiRoll-2000	2000	143,0	9,1
ProfiRoll-2400	2400	171,0	10,9

## Delivery kit

- Double-core heating section Teploluxe ProfiRoll
- Corrugated tube for sensor with a blanking plug
- Mounting tape
- Manual
- Technical certificate

## We recommend:



Thermostats of **TP 500** series  
and **MCS 300** – remote control system by using of a smartphone

Details on page 20

## Approval details



# TeploLuxe ProfiMat

## Double-core heating mats

- 120 W line – for sensitive floor coverings, even parquet.
- 160 W line – for cold floor coverings.

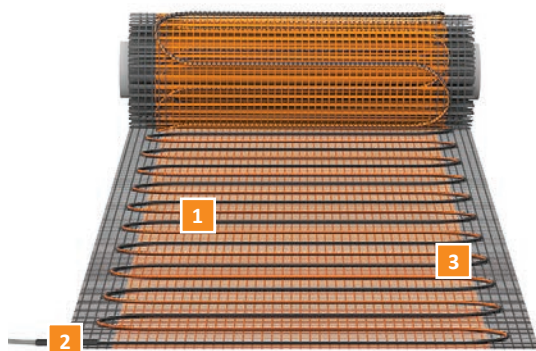
ProfiMat is easy to lay in a thin (8–10 mm) adhesive layer. The system can be used under any covering: tile, marble, laminate, linoleum and carpet covering. This solution is suitable for any type of premises – mats can be mounted both onto a new floor base and the existing floor in case of repair of premises, especially when it is important to hold a small floor thickness.



### Advantages

- **Lifetime warranty**
- Extended line of heating mats by power and dimension types allows to choose a kit depending on the premises' purpose, covering and heating type
- A new technology of cable fixing to a mesh ensures fast and convenient installation.

### Construction



### Technical data of cable

Rated voltage	220 VAC
Maximum operating temperature	90 °C
Minimum operating temperature	-10 °C
Minimum storage temperature	-20 °C
Minimum installation temperature	-10 °C
Length of installation wire	2 m
Cable diameter	3,41–4,6 mm



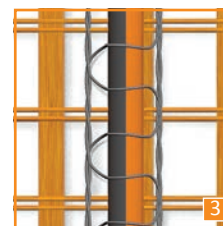
1. The risks of multi-wire cores' breaking and contact loss in a coupling are minimized.
2. Screen made of aluminium-polyester band – important secure element which almost completely suppresses electromagnetic radiation.
3. The most modern imported materials with improved characteristics and increased life time are selected for insulation and cable jacket.



Cable thickness of about 4 mm allows to use a minimum layer of tile adhesive.



Space-saving pressed coupling – innovative solution ensuring the highest reliability.



Unique cable fixing sewing technology guarantees cable fixing during installation as well as maximum heat output.

# Technical data of mats Teploluxe ProfiMat

## Double-core heating mat Teploluxe ProfiMat 120 W/m<sup>2</sup>

Mat type	Area, m <sup>2</sup>	Power, W	Length of cable, m	Current, A
ProfiMat120-1,0	1,0	120	12,0	0,5
ProfiMat120-1,5	1,5	180	17,5	0,8
ProfiMat120-2,0	2,0	240	22,0	1,1
ProfiMat120-2,5	2,5	300	30,0	1,4
ProfiMat120-3,0	3,0	360	31,5	1,6
ProfiMat120-3,5	3,5	420	40,5	1,9
ProfiMat120-4,0	4,0	480	47,0	2,2
ProfiMat120-5,0	5,0	600	66,0	2,7
ProfiMat120-6,0	6,0	720	77,0	3,3
ProfiMat120-7,0	7,0	840	81,0	3,8
ProfiMat120-8,0	8,0	960	94,0	4,4
ProfiMat120-9,0	9,0	1080	105,0	4,9
ProfiMat120-10,0	10,0	1200	120,0	5,5
ProfiMat120-12,0	12,0	1440	144,0	6,5
ProfiMat120-15,0	15,0	1800	182,0	8,2

## Double-core heating mat Teploluxe ProfiMat 160 W/m<sup>2</sup>

Mat type	Area, m <sup>2</sup>	Power, W	Length of cable, m	Current, A
ProfiMat160-1,0	1,0	160	15,0	0,7
ProfiMat160-1,5	1,5	240	22,0	1,1
ProfiMat160-2,0	2,0	320	28,5	1,5
ProfiMat160-2,5	2,5	400	28,5	1,8
ProfiMat160-3,0	3,0	480	35,5	2,2
ProfiMat160-3,5	3,5	560	50,5	2,5
ProfiMat160-4,0	4,0	640	49,5	2,9
ProfiMat160-5,0	5,0	800	69,5	3,6
ProfiMat160-6,0	6,0	960	87,5	4,4
ProfiMat160-7,0	7,0	1120	103,0	5,1
ProfiMat160-8,0	8,0	1280	106,0	5,8
ProfiMat160-9,0	9,0	1440	121,0	6,5
ProfiMat160-10,0	10,0	1600	130,0	7,3
ProfiMat160-12,0	12,0	1920	160,0	8,7
ProfiMat160-15,0	15,0	2400	198,0	10,9

## Delivery kit

- Double-core heating mat Teploluxe ProfiMat
- Corrugated tube for sensor with a blanking plug
- Manual
- Technical certificate

## We recommend:



Thermostats of **TP 500** series  
and **MCS 300** – remote control system by using of a smartphone

Details on page 20

## Approval details



# Thermostats



## Thermostats "Teploluxe"

is a line of innovative devices allowing to control the heating temperature and operating time of warm floors.

Thermostats are designed to automatically control warm floors and save electrical energy during their operation: a thermostat switches a warm floor ON only when it is necessary to maintain comfortable temperature.



TP 520

TP 515

TP 510

### Classics of control

The thermostats "Teploluxe" with simple temperature regulation are perfectly suited for users who have no need to create complex scenarios of warm floor operation.

### Comfort programming

Smart thermostats "Teploluxe" allow to heat up a floor by a specified time or switch it OFF when heating is not required. They ensure energy efficiency of warm floors due to electrical energy saving.

### Convenience and simplicity

A wide range of thermostats and written in detail illustrated manual allow to easily and quickly figure out functions of the thermostat and set the desired operating scenario of a warm floor.

### Quality

Many years' experience manufacturing thermal-regulation equipment allows us to offer our customers the most high-reliability pleasing devices presented on the Russian market.

# TeploLuxe TP 500 series

## Thermostats

The thermostats of TP 500 series astonish with remarkable design. Its own special style and modernity visually mark out these thermostats from a number of analogues and allow them to match any interior.

### TP 510. Classics of the control



- Simple control mechanism
- Switch is integrated in a regulating disc
- Perfect for cases when programming is not required
- Stylish body-monoblock is made without an additional framing. Due to a minimum number of details, the TP 510 is easy to install

### TP 515. For connoisseurs of accuracy



- Temperature indication on a large display
- Digital control
- Temperature maintenance accuracy (+/- 0,5 °C)
- Built-in clocks

### TP 520. Home warmth keeper



- Programming of 4 events
- Saves up to 70% of electricity
- Heats up the warm floor when you get back home and switching OFF if nobody is home
- Completely shares the lifestyle of the owner, has an individual schedule for each day of the week



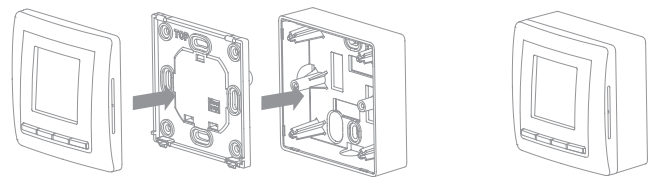
TP 520

## Installation

The thermostat is installed on a wall by flush or surface mounting method and it perfectly matches any interior.

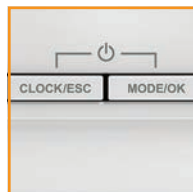
A box for outside installation is also available.

### Sealing box for surface mounting TP 500



#### TP 510

Simple control mechanism and stylish design



#### TP 515

Convenient buttons to create a temperature scenario



#### TP 520

Eventive program mode and saving to 70% of power consumption



Available body colors – white and cream

## Technical data

	TP 510	TP 515	TP 520
Thermostat type	analog	digital	digital
Supply voltage	220 V (+10% -15%)	220 V (+10% -15%)	220 V (+10% -15%)
Maximum load switching current	16 A (3,5 kW)	16 A (3,5 kW)	16 A (3,5 kW)
Power consumption (thermostat)	450 mW	450 mW	450 mW
Weight	90 g	150 g	150 g
Dimensions	86×86×35 mm	86×86×35 mm	86×86×35 mm
Ingress protection rating	IP20	IP20	IP20
Protection class	II	II	II
Remote floor temperature sensor (TST02)	NTC 6,8 kOhm	NTC 6,8 kOhm	NTC 6,8 kOhm
Length of sensor installation wire	2 m	2 m	2 m
Permissible ambient temperature	от +5°C до +40°C	от +5°C до +40°C	от +5°C до +40°C
Permissible relative air humidity	80%	80%	80%
Temperature adjustment range	from +5°C to +45°C	from +5°C to +45°C	from +5°C to +35°C
Body color	white, cream	white, cream	white, cream
Warranty period	3 years	3 years	3 years



### Floor temperature sensor TST02

Length of connecting wire	2 m
Range of measured temperatures	+5°C ... +45°C
Type of sensing element	thermal resistor 6,8 kOhm / 25°C

## Delivery kit

- Thermostat
- Temperature sensor
- Manual

## Approval details

The conformity to all the necessary requirements is approved with appropriate Certificates.



# Teploluxe TP 800 series

## Thermostats on a radio channel

### TP 810, TP 820, TP 840

The thermostats of 800 series include a remote control and an executive module. The thermostats TP 810, TP 820 and TP 840 allow to control several heating elements: heating sections, mats or radiators for the TP 840 via a wireless communication channel. The maximum number of executive modules connected to a remote control is 4. The range of coverage on an open space – up to 100 m. The thermostat TP 820 has a programming function and an "antifreezing" function.

### Remote comfort

Control warm floor temperature by using functional remote control without getting up from the sofa. Perfectly suitable for all types of warm floors "Teploluxe".

### Convenience and simplicity

The wide range of thermostats and the detailed manual allow to easily and quickly figure out functions of the thermostat and set a desired operating scenario of a warm floor.



Convenient remote control with a wall fixing ability.



Informative LCD display



Simple control

### Technical data

Ingress protection rating	IP20
Protection class	II
Ambient temperature range	+5°C ... +40°C
Maximum air humidity	80%



## Technical data

### TP 810, TP 820, TP 840 – executive modules

Supply voltage	220 VAC, 50 Hz
Maximum load cu	16 A
Power consumption	0,45 W
Weight	150 g
Dimensions	80×80×52 mm
Keep settings at disconnected power supply	12 months
Floor temperature sensor	TST02; NTC 6,8 kOhm
Temperature adjustment range	from +5°C to +35°C

### Floor temperature sensor TST 02

Length of connecting wire	2 м
Range of measured temperatures	+5°C ... +45°C
Type of sensing element	thermal resistor 6,8 kOhm / 25 °C
Warranty period	2 years

### TP 810, TP 820, TP 840 – remote controls

Supply voltage	3 VDC (2×1,5 AAA)
Maximum load cu	Not available
Power consumption	Not available
Weight	90 g
Dimensions	130×53×20 mm
Keep settings at disconnected power supply	12 months
Floor temperature sensor	Not available
Built-in air temperature sensor	810 – Not available 820, 840 – DS1820
Maintained temperature	Not available
Factory temperature setting	25 °C
Radio frequency	433,92/868,3 MHz
Warranty period	2 years

## Delivery kit

The executive module and remote control are separately delivered. It allows to choose the desired number of modules for remote control.

- **Executive module**
- Temperature sensor
- Manual
- Terminals
- **Remote control**
- Technical certificate-manual
- Batteries AAA
- Wall holder

## Approval details

The conformity to all the necessary requirements is approved with appropriate Certificates.



# MCS 300

## Warm floors' control system on mobile devices

The Mobile Comfort System consists of a thermostat with a built-in Wi-Fi module and a special free app for mobile devices. Remote control of floor heating is carried out via a Wi-Fi network directly from a smartphone with an installed app MCS 300 or via a home Wi-Fi router.

MCS 300 is designed to control electrical heating systems for premises:

- water\* and electrical warm floors;
- heating boilers;
- radiators and other electrical equipment.

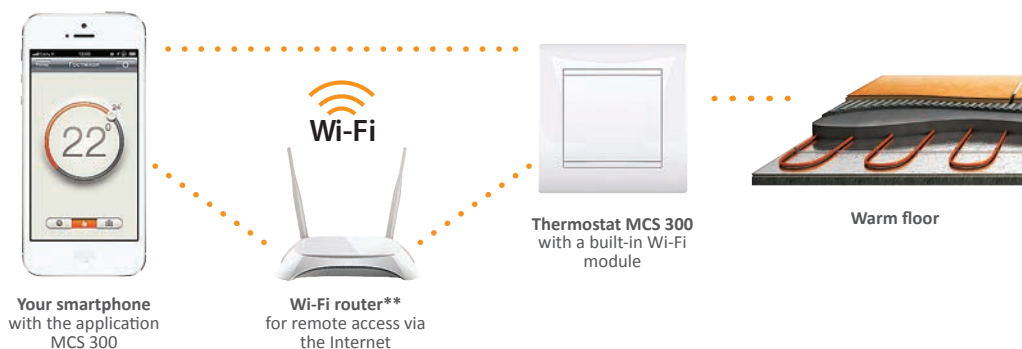
### Advantages

- Control of operating systems of warm floors with a smartphone via the Wi-Fi network presents a unique opportunity to remotely control temperature conditions in a flat, house or summer cottage
- Free application for mobile devices. Compatible with most popular platforms: Apple iOS, Android, WinMobile
- A possibility to control the operation of up to 32 electrical heating systems in various premises allows the user to set comfortable temperature conditions in all premises equipped with the warm floor system with the thermostat MCS 300
- Considerable customization and programming for every day of the week allow to save up to 70% of power consumption at warm floor operation



\* – The thermostat can be connected to a normal closed valve (thermal head) which is responsible for hot water supply in loops. The valve must be rated for voltage 220 V. The terminals "load" of the thermostat are connected with leading-out terminals of an electromagnetic winding of the normal closed valve.  
\*\* – Not included in delivery kit

### System operation scheme



## Technical data of thermostat MCS 300

Thermostat type	analog
Supply voltage	220 V (+10% ... -15%)
Maximum load switching current	16 A (3,5 kW)
Power consumption	2 W
Weight	100 g
Dimensions	83×83×48 mm
Keep settings at disconnected power supply	12 months
Ingress protection rating	IP21
Protection class	II
Remote floor temperature sensor	TST02
Length of sensor installation wire	2 m
Operating temperature	from +5 °C to +40 °C
Permissible relative air humidity	80 %
Temperature adjustment range	from +5 °C to +45 °C
Factory settings of thermostat	+28 °C
Warranty period	3 years

### Free application MCS 300



Installation details about the MCS 300 application you can find on the websites: [www.sst.ru](http://www.sst.ru), [www.ses-pro.ru](http://www.ses-pro.ru) or free download by request "MCS 300".

### Delivery kit

- Thermostat MCS 300
- Temperature sensor
- Technical certificate
- Operation manual

### Approval details

The conformity to all the necessary requirements is approved with appropriate Certificates.



# SE 200

## Thermostat with a touch screen

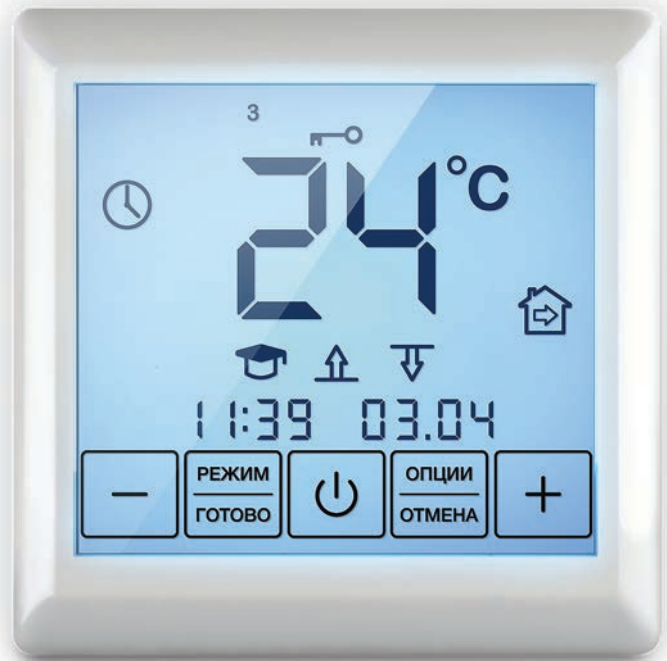
The thermostat with a touch screen SE 200 is a new concept of design and comfort control. SE 200 is equipped with a large touch screen that allows the consumer to control comfort with one touch.

The SE 200 is designed to control electrical heating systems for premises:

- electrical and water\* warm floors;
- heating boilers;
- radiators and other electrical equipment.

The thermostat SE 200 maintains comfortable temperature of the heated surface in specified time frames and ensures energy saving up to 60–70%.

The SE 200 ensures control by using two temperature sensors: floor and air simultaneously and separately



### Advantages

- Programming 24/7 comfortable operating mode
- Large high-contrast back-lighted display (70×64 mm)
- 2 temperature sensors: built-in and remote
- Possibility of operation based on data received from each sensor separately
- Touch-sensitive control
- Self-diagnostics of remote sensor
- Self-learning mode (with a switch-off possibility)
- Automatic locking of touch-sensitive keys

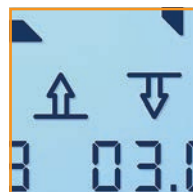
\* – The thermostat can be connected to a normal closed valve (thermal head) which is responsible for hot water supply in loops. The valve must be rated 220 V. The terminals "load" of the thermostat are connected with leading-out terminals of an electromagnetic winding of the normal closed valve.



Touch-sensitive control



Lighting and large high-contrast display



2 temperature sensors

## Technical data of thermostat SE 200

Supply voltage	220 V
Maximum load current	16 A (3,5 kW)
Power consumption	450 mW
Weight	150 g
Dimensions	90×90×41 mm
Ingress protection rating	IP21
Protection class	II
Floor temperature sensor (TST02)	NTC 6.8 kOhm
Length of sensor installation wire	2 m
Permissible ambient temperature	from +5 °C to +40 °C
Permissible relative air humidity	80 %
Temperature adjustment range	from +5 °C to +45 °C

### Delivery kit

- Thermostat SE 200
- Temperature sensor
- Operation manual



### Approval details

The conformity to all the necessary requirements is approved with appropriate Certificates.

# Teploluxe Flora

## Towel dryers

### Stylish and functional

Teploluxe Flora – ultrathin glass electrical towel dryer, elegant and functional interior design element.

The Teploluxe Flora towel dryer ensures fast and delicate drying of textile goods, not deforming and not damaging them.

The use of the electrical towel dryer is especially important for private and summer houses where there is no central water supply system, heating, pipeline and normally installed water towel dryer.

Teploluxe Flora can be hung anywhere, onto any wall in bathroom, kitchen or hallway. There is no need to make complete repairs and cut into a present water supply system. It is extremely easy to install and operate – installation only takes 30 minutes.





## Perfect solution for comfort in any premises

The construction of Teploluxe Flora allows to apply it as a wall heater to create comfortable temperature in individual areas and without railtowel holders.

- **Kitchen.** In addition to towel drying, Teploluxe Flora will become an impressive interior design element and create a comfortable atmosphere for communication with your family.
- **Children's room.** It doesn't dry air and generates very soft warmth with a constant temperature regardless of operating hours. Produced from ecological and nonhazardous materials.
- **Bedroom.** It maintains a constant level of oxygen and ensures a comfortable microclimate for sleeping.
- **Hallway.** It ensures additional heating and effective drying of rain-soaked outdoor clothes.

## Range of colors



Orange

Red

Brown

Beige

Green

Emerald

Maroon

Black

## Advantages

- Up to 40% more effective than metal towel dryers
- Impressive and stylish design
- Fast and delicate drying
- Independence of water supply, heating, pipelining conditions
- Easy to install and operate
- Cost-effective
- 16 design versions



## Installation

The Teploluxe Flora is mounted on a wall and connected to electrical network 220 V. When using it as a wall heater, the following mounting methods are possible: horizontally, vertically, rhombic (for 60x60 cm).

## Delivery kit

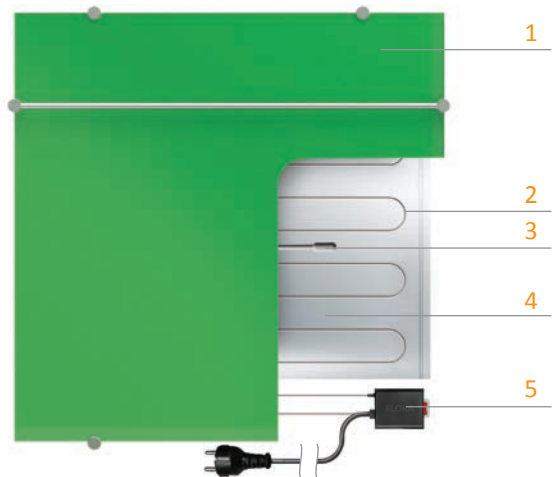
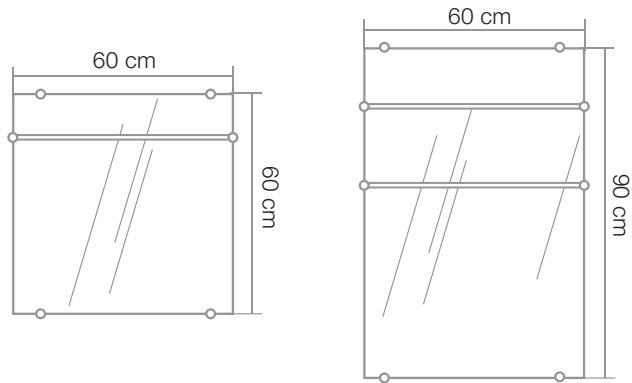
- Towel dryer – 1 pc.
- Mounting kit – 4 pcs.
- Mounting Allen key – 2 pcs.
- Installation and operation manual – 1 pc.
- Set of self-driving screws
- Towel holder\*

\* 1 pcs for 60x60 size  
2 pcs for 60x90 size

## Construction

1. Durable tempered glass ensures a uniform heat output
2. Heating cable with a double-layer insulation withstands temperatures up to 120 °C
3. A temperature switch ensures protection against overheating
4. Cover made of self-extinguishing ABS-plastic ensures fire safety
5. Miniature moisture-proof switch ensures high dustmoisture ingress protection rating (IP44), placed behind the decorative panel and unnoticeable in interior

## Overall dimensions







## Technical data

Dimensions (H×W×T), cm	60×60×0,4	60×90×0,6
Power, W	160	260
Supply voltage, V / Frequency, Hz	220±10% / 50–60	
Electric shock hazard protection class	II	
Dust and moisture ingress protection rating	IP44	
Operating temperature of heater surface, °C	65–75	
Length of power wire, m	2	
Warranty period, months	24	
Weight of radiator with mountings and towel holders, kg	5,2	10,5
Maximum permissible load on towel dryer, kg	4	
Maximum number of towel holders, pcs	2	4

## Approval details

The conformity to all the necessary requirements is approved with appropriate Certificates.



# TeploLuxe

## Electrical stainless steel towel dryers

The electrical towel dryer is an optimal solution for a private or summer house where there is no central heating and normally a water towel dryer is installed. An electrical towel dryer is also very suitable for arrangement in kitchens where a dry towel is always necessary at hand. Installation of the electrical towel dryer does not take a lot of time – there is no need to disassemble walls and cut into the hot water supply system, it's enough to install the electrical towel dryer onto a wall and connect it by itself.

### Advantages

- It does not depend on water supply conditions
- High electrical safety
- Fast heating up of the towel dryer
- Simple installation
- Body material – polished stainless steel



### Construction

1. Adjustable wall fixings ensure a reliable fixation of the unit on any surface.
2. Heating cable ensures an effective drying.
3. Stainless steel body is durable and not subject to corrosion.
4. User-friendly switch.

### Installation

Connect to electrical network 220 V.

Two types of electrical connection are possible: open, wire with a plug, and hidden — a wire is being led to the towel dryer from a wall.



# Teploluxe Sahara and Teploluxe Savanna

Ergonomic metal towel dryers are a stylish and effective solution for various decor variants of bathrooms. Resistant to external influence, in combination with reliability and safety of the heating cable, the stainless steel body ensures a comfortable, durable operation and safe use of the towel dryers.

Construction of the towel dryers allows to dry a maximum number of towels and textile goods at the same time. Modern manufacturing technologies ensure a high reliability and safety of the units' operation.

## Technical data

### TEPLOLUXE Sahara

Overall dimensions W×H, (cm)	50×50
Rated power output, W	53
Rated weight, kg	2,5
Rated temperature, °C	55
Length of installation wire, m	1,5
Ingress protection rating	IPX3
Supply voltage, V	220±10 %
Permissible load, kg	4
Warranty period	2 years

### TEPLOLUXE Savanna

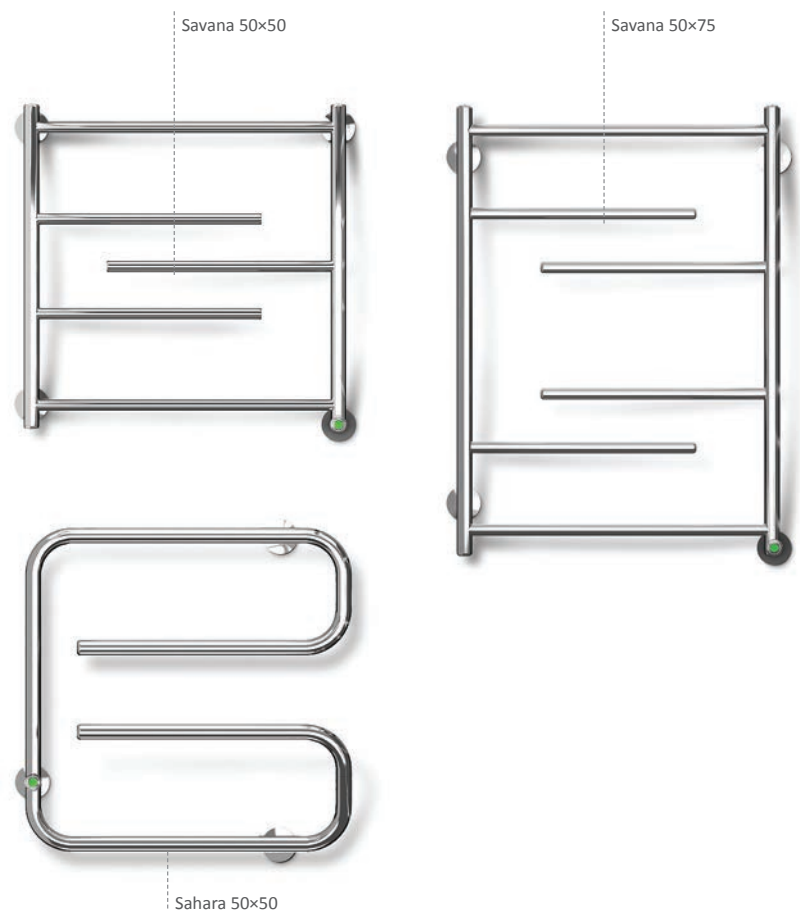
Overall dimensions W×H, (cm)	50×50	50×75
Rated power output, W	40	50
Rated weight, kg	2,6	3,2
Rated temperature, °C	55	
Length of installation wire, m	1,5	
Ingress protection rating	IPX3	
Supply voltage, V	220±10%	
Permissible load, kg	4	
Warranty period	2 years	

## Delivery kit

- Towel dryer with electrical plug and switch
- Technical certificate, operation manual
- Mounting brackets
- Decorative cover
- Rawplugs with self-driving screws
- Allen key

## Approval details

The conformity to all the necessary requirements is approved with appropriate Certificates.



# Teploluxe Mirror

## Mirror heater

The “Teploluxe Mirror” heater removes moisture from the mirror's surface, ensuring solid comfort in bathrooms or any other high humidity premises (saunas, shower rooms, etc.). Just attach the heater on the mirror's backside, connect it to the power supply and your mirror is always dry and clean!

### Advantages

- Suitable almost for any dimension and shape of mirrors
- Heat-insulated
- Adhesive layer for simple immediate installation
- Connected to the mirror lighting or common electrical network



### Construction

1. A power wire allows to connect the unit to a built-in mirror lighting.
2. The foil-coated insulation ensures maximum efficiency.
3. The cable arrangement allows to distribute warmth evenly.
4. The adhesive layer ensures a simple installation.
5. The earthing loop of the heating cable ensures electrical safety.



### Delivery kit

- Mirror heater
- Technical certificate-operating manual

## Technical data

Dimensions, W×H, cm	50×42	60×50
Rated power output, W	35	50
Rated voltage, V	220 AC	220 AC
Ambient temperature in operation, °C	from +18 to +30	
Heater operating temperature, °C	40	
Electric shock hazard protection class	I	
Moisture ingress protection rating	IPX4	
Length of installation wire, m	1.5	

## Installation

1. Remove a part of the protective paper releasing the adhesive layer. Arrange the edge of the heater released from the protective paper onto the marked area on a mirror. Stick the heater, carefully removing paper.

2. It is recommended to connect the heaters to a built-in mirror lighting on condition that lighting wires are rated for an additional load. The heater operation is more effective for mirrors with 4–6 mm thickness.



## Approval details

The conformity to all the necessary requirements is approved with appropriate Certificates.



# Teploluxe Express

## Portable warm floor

"Teploluxe Express" – a simple and multi-purpose solution for homes and summer houses. It is placed directly on the floor, covered by a carpet, the plug is pushed into the socket – and the warm floor is at your service!

"Teploluxe Express" can be brought from your city apartments to the summer house, used in other rooms, convenient to store.

"Teploluxe Express" is a heating mat based on the thin heating cable in a waterproof protective sheath, equipped with an installation wire 2.5 meter long.



### Advantages

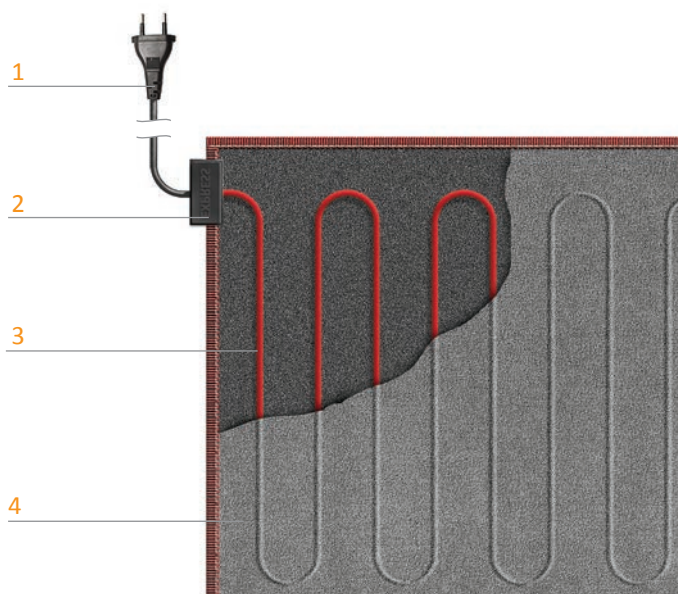
- Completely ready for operation and no need for installation
- Suitable for any floor covering (wooden and parquet plank, laminated flooring, linoleum and various types of tile)
- Essential solution in the "inter-season" time, especially for cottages and summer houses
- Optimal solution for warm floor arrangement in rented accommodation
- Safe and useable heater – it is easy to clean, convenient to store and transport

### Technical data

Dimensions, m	2,0×1,4	1,8×2,8
Area, m <sup>2</sup>	2,8	5,04
Rated voltage, V	220 AC	
Rated power output, W	300	560
Maximum temperature of carpet surface, °C	30	
Time of warming-up to maximum temperature, minutes	60	
Length of installation wire, m	2,5	
Warranty period	2 years	

### Construction

1. Universal plug suitable for all the types of sockets.
2. Power supply box strongly fixes the wire.
3. Thin and flexible heating cable distributes warmth equally so it is not noticed during operation.
4. Durable jacket made of artificial felted cloth that is easy to be taken care of.



## Installation

The "Teploluxe Express" is laid under a carpet: it is recommended to use pile, pileless and tufting (wattled) carpets.

Base floor covering: wooded parquet plank, laminated flooring, linoleum, ceramic tile, natural stone tile.

The "Teploluxe Express" is available in two dimensional versions 2,0×1,4 meter and 1,8×2,8 meter, which meet standard floor carpet size.



## Delivery kit

- Under-carpet heater
- Technical certificate-operating manual
- Bag

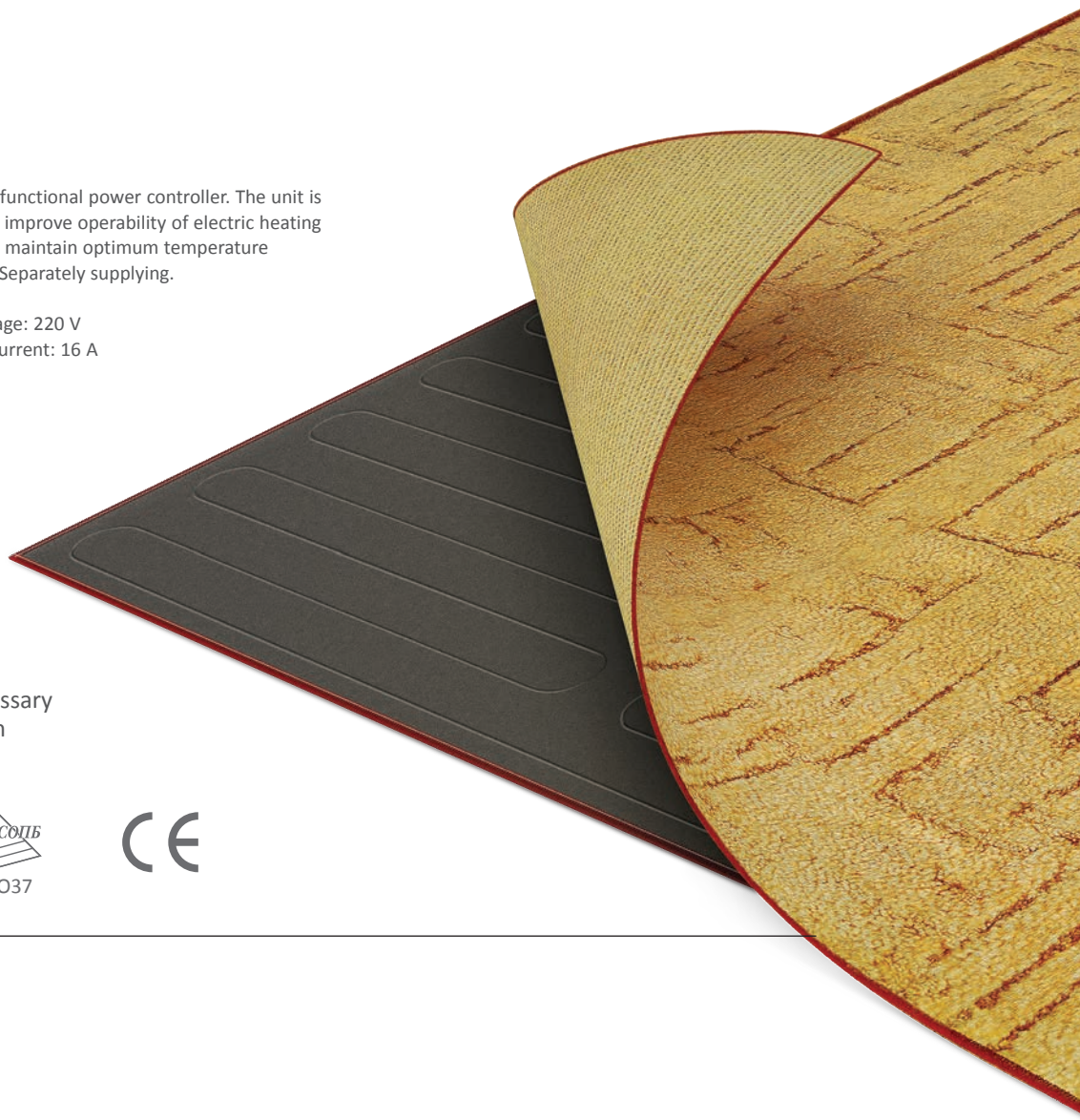
## We recommend:



### TP 160

Usable and functional power controller. The unit is designed to improve operability of electric heating devices and maintain optimum temperature conditions. Separately supplying.

Supply voltage: 220 V  
Max. load current: 16 A



## Approval details

The conformity to all the necessary requirements is approved with appropriate Certificates.



# Teploluxe Carpet

## Heated carpet

The Teploluxe Carpet is purposed for delicate shoe drying and feet warming. The carpet keeps shoes in perfect condition by removing moisture. It ensures considerate care and soft drying of shoes of leather, shammy and other delicate materials. The Teploluxe Carpet is irreplaceable where comfortable warmth is required, e.g. in the office sitting at a work table.



## Advantages

- Temperature on the carpet surface does not exceed 40°C, which ensures comfortable feet warming and careful shoes drying
- Completely ready-to-use – just push the plug into the socket
- Space-saving and cost efficient – power consumption is only 65 W/hour
- Safe during operation: high protection even against water sprays – protection rating IPX7
- Easy cleared of dust and dirt

## Kit contents

- Heated carpet
- Technical certificate-operating manual

## Construction

1. Grounded europlug.
2. Hermetic, moisture-resistant base made from PVC.
3. Flexible and resistant to mechanical effects heating cable.
4. Solid napped, dirt-retaining covering.

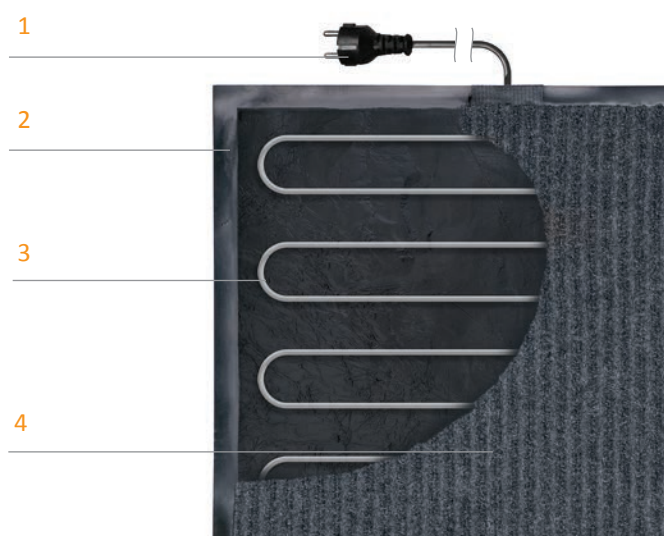
## Approval details

The conformity to all the necessary requirements is approved with appropriate Certificates.



## Technical data

Dimensions, cm	80×50
Power, W	65
Voltage, V	220 AC
Class/rating of ingress protection	I – IPX7
Length of installation wire, m	not less than 1,8
Surface temperature, °C	35–40
Fluff color	grey, brown









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**Warm floor "Teploluxe" —  
guarantee of comfort!**



[www.sst-iwarm.com](http://www.sst-iwarm.com)

Hot line: 8-800-775-40-42