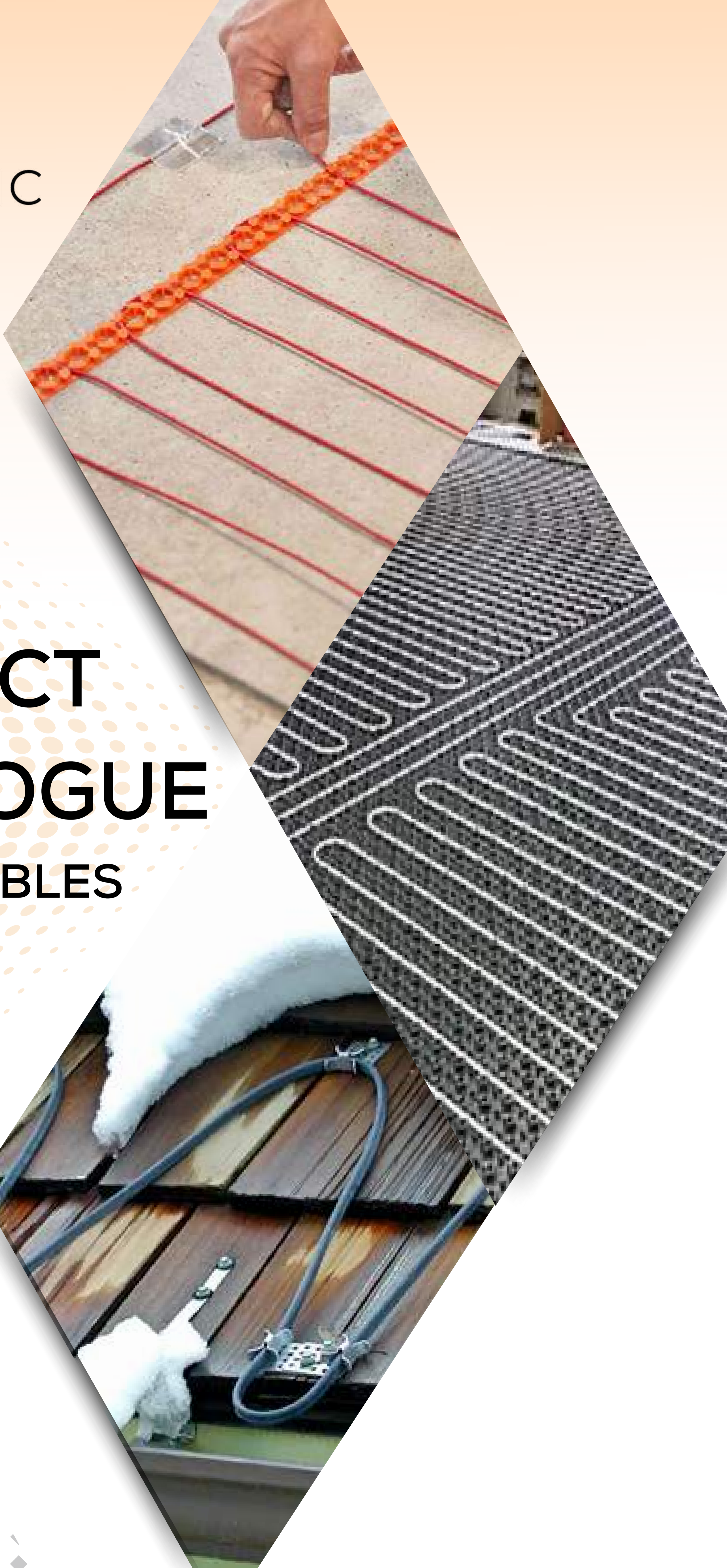




SC ELECTRIC
HEATING SOLUTIONS

PRODUCT CATALOGUE

HEATING CABLES





SC ELECTRIC

SC Electric Pvt. Ltd. is a part of Special Cables group, India. Special Cables incorporated in 1983 has been manufacturing electrical cables of the highest quality, ensuring utmost safety and reliability. Our plant is one of the most sophisticated cable manufacturing plants and is spread over 20,000 sq. m. We serve a multitude of industries including Oil & Gas, Construction, Infrastructure, Steel, Cement, and many more. We can proudly say that industry leaders from various sectors are among our regular customers. In addition to catering to a robust demand in the domestic market, over the last few years our global footprint has grown tremendously exporting cables to Europe, South America, Middle East, South East Asia, Australia, Central Asia.

SC Electric builds on the experience and forays into expanding operations into heating solutions & high temperature cables serving the residential, commercial and industrial applications. We are committed to providing optimal heating solutions that are safe, reliable and energy efficient.



COMFORT, RELIABILITY & SAFETY

HEATING CABLES

Welcome to our comprehensive collection of heating cables designed to deliver optimal performance, energy efficiency, and long-term reliability.

From floor heating, freeze protection to process temperature maintenance, our solutions are engineered to meet the most demanding applications across residential, commercial, and industrial environments



STRINGENT QUALITY CONTROL

The use of high-quality raw materials, along with the latest technology, ensures consistency and uniform quality in the production process. Stringent process controls are implemented at every stage and a well laid-out quality assurance system ensures thorough testing, from the raw material to the finished goods stage, thereby ensuring the highest possible quality of the final product.

INNOVATION

Our spirit of innovation always keeps us at the forefront of technology and empowers us to meet ever-changing customer requirements. Proactively improving product designs, upgrading systems and process innovations ensure a higher value for our customers.



FLOOR HEATING CABLE (FC)



APPLICATION

- Electric Floor Heating for indoor & outdoor areas



SURFACE TYPE

- Concretes & In-screed slabs



INSTALLATION LOCATION

- Commercial areas, houses, warehouses, shopping malls etc



INSTALLATION TECHNIQUE

- Layer of concrete screed

Floor Heating Cables (FC) are designed for direct embedding in concrete floors and slabs in large areas including homes, warehouses, commercial malls, sports fields.

The series-resistance type heating elements are insulated with cross linked polymer/ fluoropolymers having high dielectric strength and exceptional temperature resistance, ensuring complete safety during operation. Shielding is provided for proper grounding and ensuring minimal EMF emission. Outer jacketing is done with PVC or Polyolefin depending on customer requirements.

A robust hot to cold junction design ensures safety and reliability.



Energy Efficient



Easy Installation



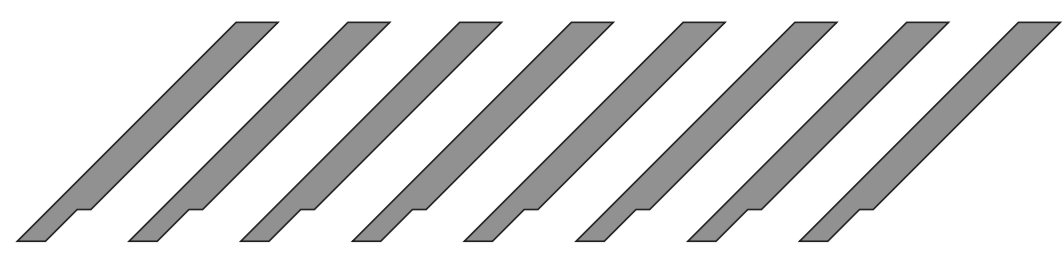
CE Certified



Sustainability



Quality Guarantee



SPECIFICATION

● Heating Elements*	Single / Twin
● Heating Power Output	10-20 W/M
● Rated voltage	230 V AC, 50 Hz
● Cold lead length (Nom.)	3.0m
● Bending radius	6 x cable diameter
● IP class	IPX7
● Compliance to	IEC 60800 (Class M2)

CABLE CONSTRUCTION

- Heating conductor
- Cross-linked Polymer / Fluoropolymer insulation
- Alum-mylar tape with copper drain wire
- PVC / Polyolefin
- Cold Lead

TECHNICAL DATA FOR FC-S/T*

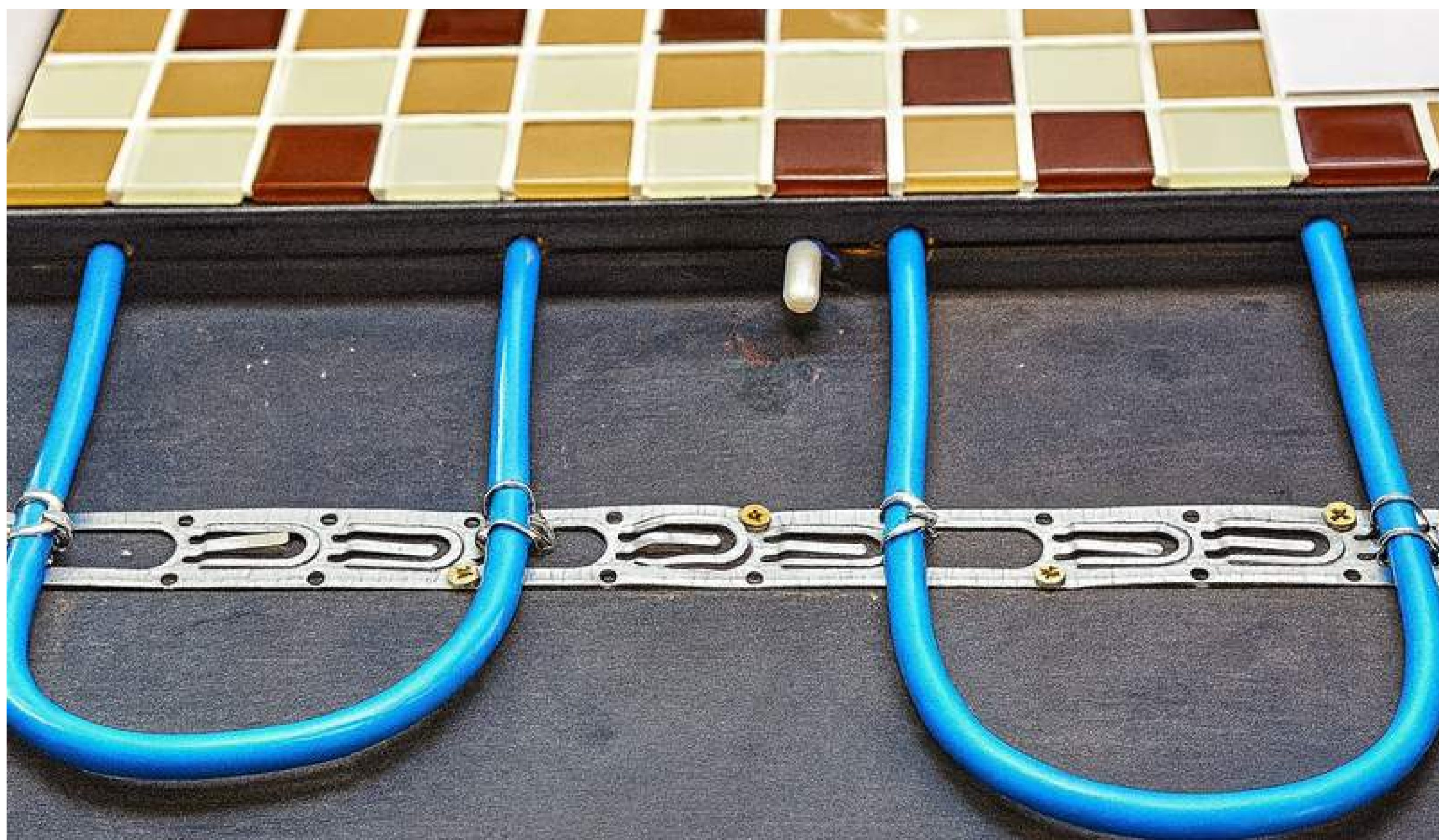
Length (M)	Product code	Wattage (W)	Product code	Wattage (W)	Product code	Wattage (W)
10	SC-FC-S/T-10-100	100	SC-FC-S/T-17-170	170	SC-FC-S/T-20-200	200
15	SC-FC-S/T-10-150	150	SC-FC-S/T-17-260	260	SC-FC-S/T-20-300	300
20	SC-FC-S/T-10-200	200	SC-FC-S/T-17-350	350	SC-FC-S/T-20-400	400
25	SC-FC-S/T-10-250	250	SC-FC-S/T-17-420	420	SC-FC-S/T-20-500	500
30	SC-FC-S/T-10-300	300	SC-FC-S/T-17-500	500	SC-FC-S/T-20-600	600
35	SC-FC-S/T-10-350	350	SC-FC-S/T-17-600	600	SC-FC-S/T-20-700	700
40	SC-FC-S/T-10-400	400	SC-FC-S/T-17-680	680	SC-FC-S/T-20-800	800
50	SC-FC-S/T-10-500	500	SC-FC-S/T-17-850	850	SC-FC-S/T-20-1000	1000
60	SC-FC-S/T-10-600	600	SC-FC-S/T-17-1020	1020	SC-FC-S/T-20-1200	1200
70	SC-FC-S/T-10-700	700	SC-FC-S/T-17-1120	1120	SC-FC-S/T-20-1400	1400
80	SC-FC-S/T-10-800	800	SC-FC-S/T-17-1350	1350	SC-FC-S/T-20-1600	1600
120	SC-FC-S/T-10-1200	1200	SC-FC-S/T-17-2050	2050	SC-FC-S/T-20-2400	2400
150	SC-FC-S/T-10-1500	1500	SC-FC-S/T-17-2550	2550	SC-FC-S/T-20-3000	3000
185	SC-FC-S/T-10-1850	1850	SC-FC-S/T-17-3150	3150	SC-FC-S/T-20-3700	3700

Note

- 1.* S/T represents Heating Element. S stands for single conductor and T stands for twin conductor
- 2.Floor cables can also be custom-built as per specific requirements.



UNDER TILE HEATING CABLE (TC)



APPLICATION

- Electric Floor Heating for comfort heat



SURFACE TYPE

- Tiles or Laminate floor



INSTALLATION LOCATION

- Indoor applications like bathrooms, kitchen, living areas



INSTALLATION TECHNIQUE

- Thin layer of self levelling or glue

Under Tile Heating Cable (TC) are specifically designed to providing floor warming and achieving optimal comfort levels in indoor applications.

The single/twin series-resistance type heating elements encased in a high-temperature polymer offer excellent dielectric strength and the ability to withstand high temperatures. 100% metallic shielding provides proper grounding and ensuring minimal EMF emissions. The outer jacket is done with Polyvinyl chloride / Fluoropolymer which provides durability, protection and resistance to environmental conditions.

A robust hot to cold junction design ensures safety and reliability.



Energy Efficient



Easy Installation



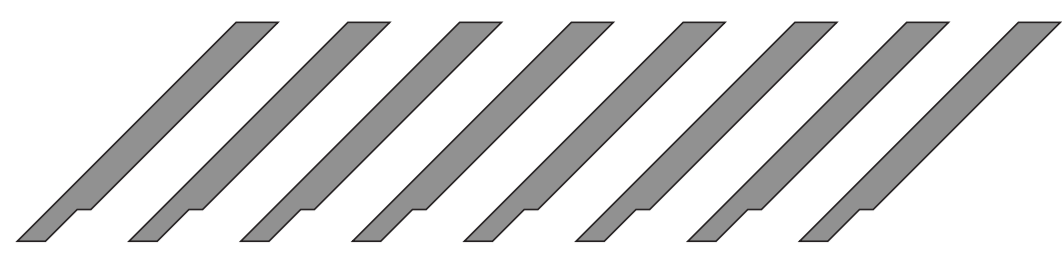
CE Certified



Sustainability



Quality Guarantee



SPECIFICATION

● Heating Elements*	Single/ Twin
● Heating Power Output	10-18 W/M
● Rated voltage	230V AC, 50 Hz
● Cold lead length (Nom.)	3.0m
● Bending radius	6 x cable diameter
● IP class	IPX7
● Compliance to	EN 60335-1, EN 60335-2-96, EN 62233

CABLE CONSTRUCTION

- Heating conductor
- Fluoropolymer insulation
- Alum-mylar tape with copper drain wire
- PVC / Fluoropolymer outer sheath
- Cold lead

TECHNICAL DATA FOR TC-S/T*

Length (M)	Product code	Wattage (W)	Product code	Wattage (W)
10	SC-TC-S/T-10-100	100	SC-TC-S/T-18-180	180
15	SC-TC-S/T-10-150	150	SC-TC-S/T-18-270	270
20	SC-TC-S/T-10-200	200	SC-TC-S/T-18-360	360
25	SC-TC-S/T-10-250	250	SC-TC-S/T-18-450	450
30	SC-TC-S/T-10-300	300	SC-TC-S/T-18-540	540
35	SC-TC-S/T-10-350	350	SC-TC-S/T-18-630	630
40	SC-TC-S/T-10-400	400	SC-TC-S/T-18-720	720
45	SC-TC-S/T-10-450	450	SC-TC-S/T-18-810	810
50	SC-TC-S/T-10-500	500	SC-TC-S/T-18-900	900
60	SC-TC-S/T-10-600	600	SC-TC-S/T-18-1080	1080
80	SC-TC-S/T-10-800	800	SC-TC-S/T-18-1440	1440
100	SC-TC-S/T-10-1000	1000	SC-TC-S/T-18-1800	1800
120	SC-TC-S/T-10-1200	1200	SC-TC-S/T-18-2150	2150
140	SC-TC-S/T-10-1400	1400	SC-TC-S/T-18-2500	2500
160	SC-TC-S/T-10-1600	1600	SC-TC-S/T-18-2900	2900
180	SC-TC-S/T-10-1800	1800	SC-TC-S/T-18-3250	3250
200	SC-TC-S/T-10-2000	2000	SC-TC-S/T-18-3600	3600

Note

1. *S/T represents Heating Element. S stands for single conductor and T stands for twin conductor.
2. Under Tile heating cables can also be custom-built as per specific requirements.

SNOW MELTING CABLE (SCA) (ASPHALT AREAS)



APPLICATION

- Outdoor applications for melting snow & de-icing



SURFACE TYPE

- asphalt areas with concrete or soil



INSTALLATION LOCATION

- Roads, driveways, parkings, pavements



INSTALLATION TECHNIQUE

- Under concrete, through specially designed mounting

Snow Melting Cables are engineered for direct embedding in concrete applications to ensure snow melting in areas such as parking bays, driveways, pavements, outdoor steps, roofs, gutters. The cables can be used in asphalt areas (SCA). The single/twin series-resistance type heating elements are insulated with high temperature cross-linked polymer or fluoropolymers having high dielectric strength and exceptional temperature resistance, ensuring complete safety during operation.

Shielding is provided for proper grounding and ensuring minimal EMF emission. To further enhance strength and adaptability for outdoor applications, the cable is enclosed in an outer jacket made of special Polyolefin which is best suitable for asphalt areas. The jacket provides high resistance to fire & low-smoke emission in any unfortunate fire incidence.

A hot to cold junction is properly combined to ensure reliability and longevity.



Energy Efficient



Easy Installation



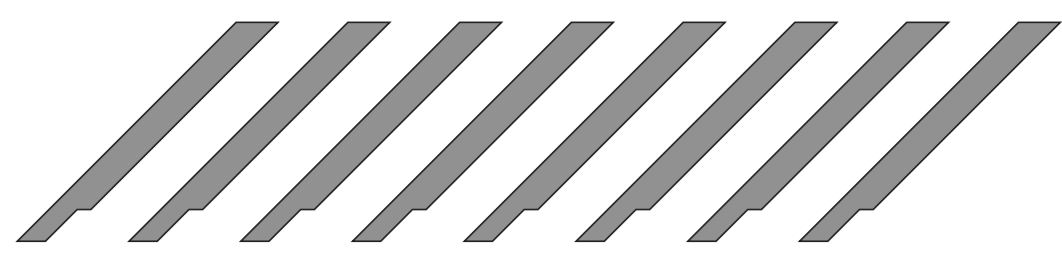
CE Certified



Sustainability



Quality Guarantee



SPECIFICATION

- Heating Elements* Single/ Twin
- Heating Power Output 30-40 W/M
- Rated voltage 230 V A.C, 50Hz
- Cold lead length (Nom.) 5.0m
- Bending radius 6 x cable diameter
- IP class IPX7
- Compliance to IEC 60800

CABLE CONSTRUCTION

- Heating conductor
- Cross-linked Polymer / Fluoropolymer insulation
- Alum-mylar tape with copper drain wire
- Special Polyolefin
- Cold lead



TECHNICAL DATA FOR SCNA**

Length (M)	Product code	Wattage (W)
10	SC-SCA-S/T-30-300	300
15	SC-SCA-S/T-30-450	450
22	SC-SCA-S/T-30-650	650
29	SC-SCA-S/T-30-850	850
38	SC-SCA-S/T-30-1100	1100
47	SC-SCA-S/T-30-1400	1400
57	SC-SCA-S/T-30-1700	1700
67	SC-SCA-S/T-30-2000	2000
75	SC-SCA-S/T-30-2250	2250
84	SC-SCA-S/T-30-2500	2500
94	SC-SCA-S/T-30-2800	2800
112	SC-SCA-S/T-30-3350	3350
134	SC-SCA-S/T-30-4000	4000

Product code	Wattage (W)
SC-SCA-S/T-40-400	400
SC-SCA-S/T-40-600	600
SC-SCA-S/T-40-880	880
SC-SCA-S/T-40-1160	1160
SC-SCA-S/T-40-1520	1520
SC-SCA-S/T-40-1880	1880
SC-SCA-S/T-40-2280	2280
SC-SCA-S/T-40-2680	2680
SC-SCA-S/T-40-3000	3000
SC-SCA-S/T-40-3360	3360
SC-SCA-S/T-40-3760	3760
SC-SCA-S/T-40-4480	4480
SC-SCA-S/T-40-5360	5360

Note

1. *S/T represents Heating Element. S stands for single conductor and T stands for twin conductor
2. **SCA cables can also be custom-built as per specific requirements

SNOW MELTING CABLE (SCNA) (NON-ASPHALT AREAS)



APPLICATION

- Outdoor applications for melting snow & de-icing



SURFACE TYPE

- Non-asphalt areas with concrete or soil



INSTALLATION LOCATION

- Parkings, pavements, roofs, gutters, drains etc.



INSTALLATION TECHNIQUE

- Over Surface to be heated, through specially designed mounting

Snow Melting Cables are engineered for direct embedding in concrete applications to ensure snow melting in areas such as parking bays, driveways, pavements, outdoor steps, roofs, gutters. The cables can be used in non-asphalt areas. The single/twin series-resistance type heating elements are insulated with high temperature cross-linked polymer or fluoropolymers having high dielectric strength and exceptional temperature resistance, ensuring complete safety during operation.

Shielding is provided for proper grounding and ensuring minimal EMF emission. To further enhance strength and adaptability for outdoor applications, the cable is enclosed in an outer jacket made of Polyolefin (LSZH) which is best suitable for non-asphalt areas. The jacket provides high resistance to fire & low-smoke emission in any unfortunate fire incidence.

A hot to cold junction is properly combined to ensure reliability and longevity.



Energy Efficient



Easy Installation



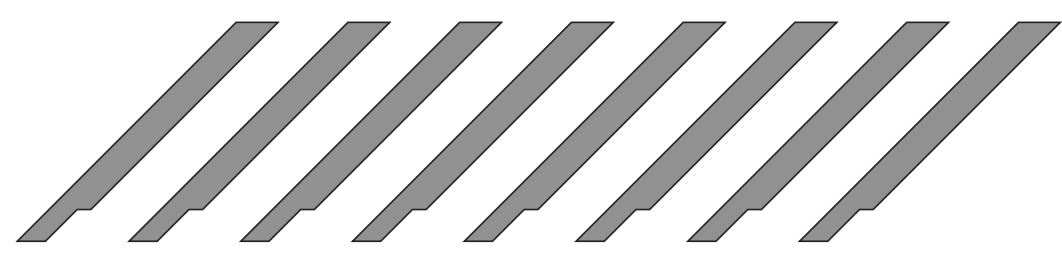
CE Certified



Sustainability



Quality Guarantee



SPECIFICATION

- Heating Elements* Single/ Twin
- Heating Power Output 30-40 W/M
- Rated voltage 230 V A.C, 50Hz
- Cold lead length (Nom.) 5.0m
- Bending radius 6 x cable diameter
- IP class IPX7
- Compliance to IEC 60800

CABLE CONSTRUCTION

- Heating conductor
- Cross-linked Polymer / Fluoropolymer insulation
- Alum-mylar tape with copper drain wire
- Polyolefin
- Cold lead



TECHNICAL DATA FOR SCNA**

Length (M)	Product code	Wattage (W)
10	SC-SCNA-S/T-30-300	300
15	SC-SCNA-S/T-30-450	450
22	SC-SCNA-S/T-30-650	650
29	SC-SCNA-S/T-30-850	850
38	SC-SCNA-S/T-30-1100	1100
47	SC-SCNA-S/T-30-1400	1400
57	SC-SCNA-S/T-30-1700	1700
67	SC-SCNA-S/T-30-2000	2000
75	SC-SCNA-S/T-30-2250	2250
84	SC-SCNA-S/T-30-2500	2500
94	SC-SCNA-S/T-30-2800	2800
112	SC-SCNA-S/T-30-3350	3350
134	SC-SCNA-S/T-30-4000	4000

Product code	Wattage (W)
SC-SCNA-S/T-40-400	400
SC-SCNA-S/T-40-600	600
SC-SCNA-S/T-40-880	880
SC-SCNA-S/T-40-1160	1160
SC-SCNA-S/T-40-1520	1520
SC-SCNA-S/T-40-1880	1880
SC-SCNA-S/T-40-2280	2280
SC-SCNA-S/T-40-2680	2680
SC-SCNA-S/T-40-3000	3000
SC-SCNA-S/T-40-3360	3360
SC-SCNA-S/T-40-3760	3760
SC-SCNA-S/T-40-4480	4480
SC-SCNA-S/T-40-5360	5360

Note

1. *S/T represents Heating Element. S stands for single conductor and T stands for twin conductor
2. **SCNA cables can also be custom-built as per specific requirements



SC ELECTRIC

OTHER SPECIAL CABLES



RADIANT HEATING
CABLES



HEATING ELEMENTS



POWER LIMITING
HEAT TRACER



SELF REGULATING
HEAT TRACER



CONSTANT WATT
HEAT TRACER

SC Electric Pvt. Ltd.

B-2/12, Mohan Cooperative Industrial Estate,

Badarpur, New Delhi- 110044, India

Phone: +91-11-46553134, 29891011, 29893640

Email: info@scelectric.in

Website: www.scelectric.in