SURESH ENTERPRISES

PREMIUM RANGE SILICONE PRODUCTS FOR THERMAL APPLICATIONS

SEVITSIL®

SOLUTIONS IN SILICONE

47+ Years

Exporting to 31+ Countries

QUALITY STANDARDS & CREDENTIALS

- ISO 9001 : 2015 for QMS from Intertek
- ISO 14001 : 2015 for Envirionment Management from Intertek
- ISO 13485 : 2016 for Medical Devices from DNV
- ISO 45001 : 2018 for for Health & Safety Management from Intertek
- IATF 16949 : 2016 for Automotive from BSI
- CRISIL RATE SME 2* for Creditworthiness
- DUN & BRADSTREET D-U-N-S No. 65-026-2905

SEVITSIL®
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WHO ARE WE ?

- SEVITSIL - Solutions in Silicone is a brand name of **Suresh Enterprises**.
- Glad to serve 2500+ clients in 31+ countries.
- Over 12000 components developed for 18+ industries.
- Dynamic team of 300+ people including Rubber Technologists & Industry Experts.
- Dedicated Clean Room Class 10000 for Medical & Healthcare segment.
- Processing over 400 tonnes of silicone per annuam.
- Supplying more than 25 million meters of silicone tube every year.
- India's smallest size & widest range of tube manufacturing capabilities.
- Offers new product development services for companies/start ups.
- All the regulatory compliance documentations are available.

Silicone Rubber in Thermal Application

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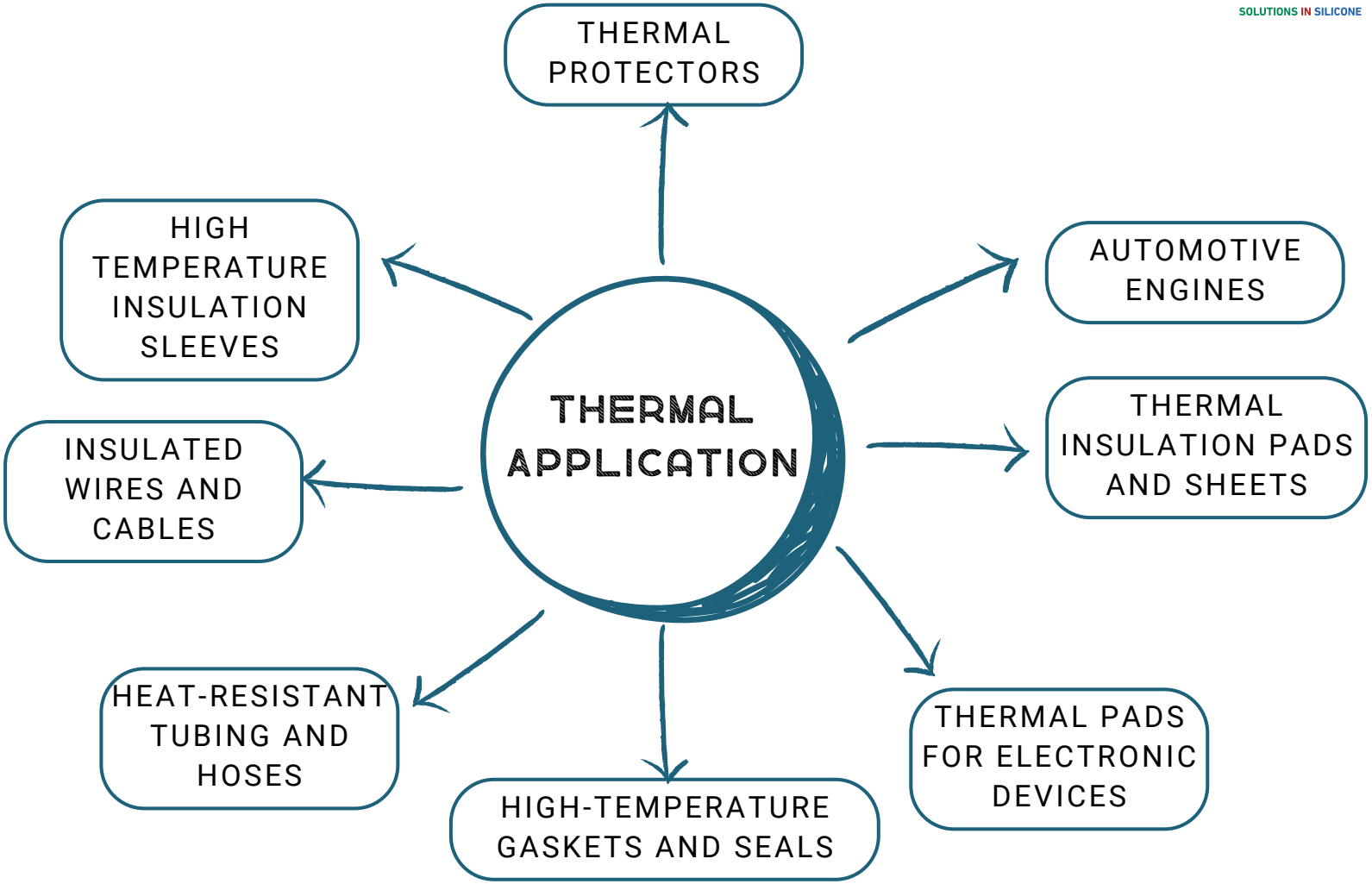

Silicone Rubber in Thermal Application

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Silicone rubber is commonly used in thermal applications due to its excellent thermal properties and resistance to extreme temperatures. Here are some key points about silicone rubber in thermal applications:

- Temperature resistance: Silicone rubber can withstand a wide range of temperatures, typically from -60°C to 300°C or even higher in some specialized formulations. It retains its flexibility and mechanical properties across this temperature range.

- Thermal conductivity: Silicone rubber has relatively low thermal conductivity compared to metals or ceramics. This property makes it suitable for applications where thermal insulation is desired, such as in thermal barriers, gaskets, or seals.

- Electrical insulation: Silicone rubber exhibits excellent electrical insulation properties, making it suitable for applications where electrical insulation is required in conjunction with thermal resistance. It is commonly used in electrical insulation pads, connectors, and wiring harnesses.

- Thermal stability: Silicone rubber maintains its physical and chemical properties over a wide temperature range, allowing it to be used in prolonged high-temperature applications without significant degradation or loss of performance.

Silicone rubber maintains its mechanical and thermal properties over extended periods of exposure to high temperatures. It resists degradation, such as cracking, hardening, or losing flexibility, even after prolonged heat exposure.

Thermal applications that commonly utilize silicone rubber include:

- Gaskets and seals for high-temperature environments
- Thermal pads and gap fillers for heat transfer and insulation in electronic devices
- Insulation blankets for industrial applications or aerospace
- Oven seals and gaskets
- Heating elements and flexible heaters
- Thermal interface materials for electronic components or heat sinks
- Protective covers or boots for cables and wires in high-temperature environments.

Silicone High Temp Profiles for Thermal Industry

SEVITSIL has a broad range of products designed for use as a high-temperature seals and strips.

Key Features

- High quality material
- Excellent thermal stability
- Good durability
- Excels in harshest conditions- intense heat, high pressure, saturated steam and hot oils.
- Highly versatile.
- Offers great sealing properties.
- Prevents thermal contraction and expansion.

Why Us

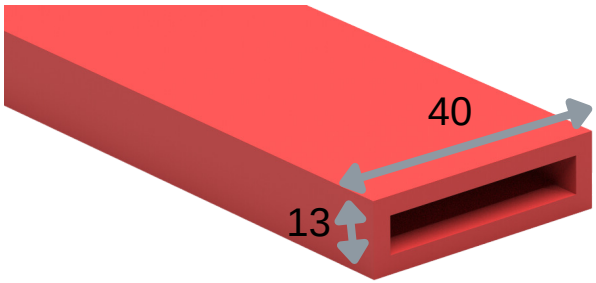
- Pioneers in SiliTherm
- Zero defects
- Available in 6 standard sizes.
- 100 mtr roll available in small profiles and 25 mtr roll available in big profiles

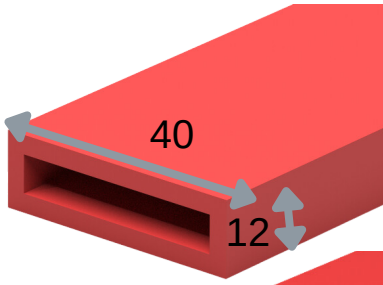
Applications

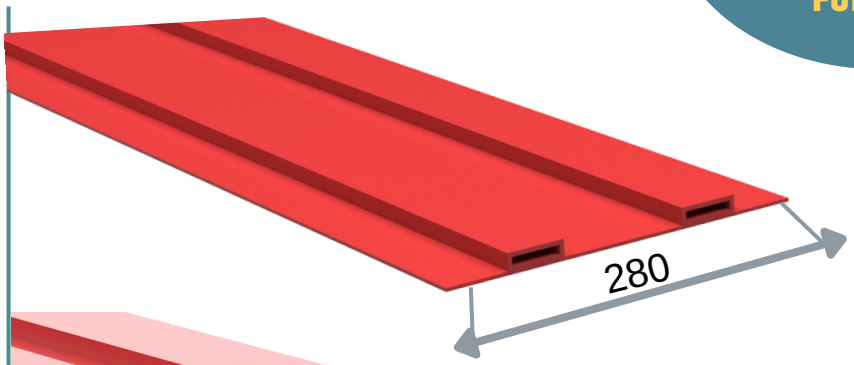
- High Temperature Seals
- Thermal Insulation Application

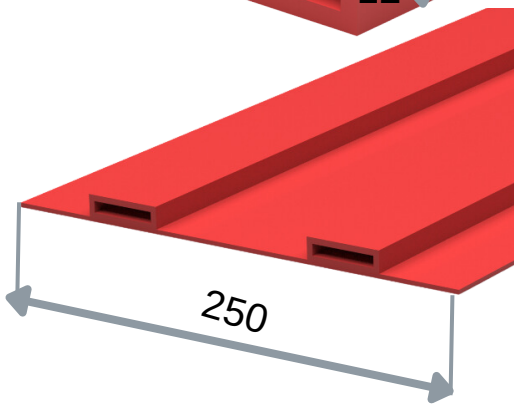
SILITHERM

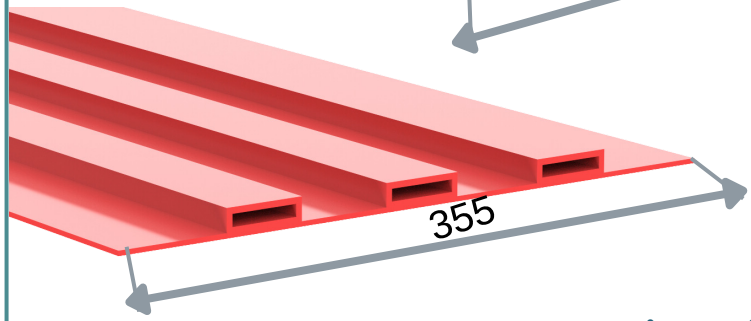
High Temperature Resistance Profile For Induction Furnace

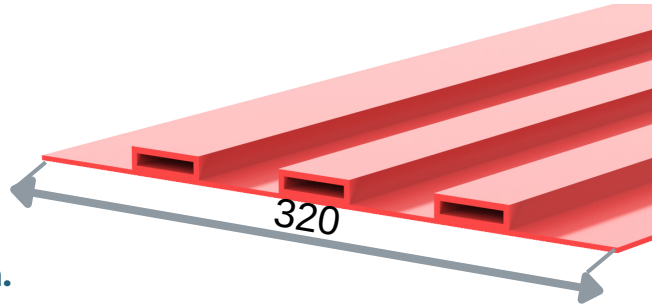












All dimensions are shown in mm.

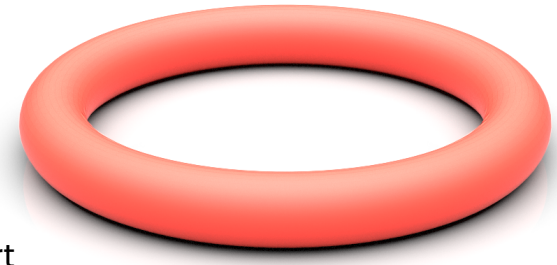
Silicone O Rings

Key Features

- Excellent resistance to extreme temperatures -50°C to + 232°C.
- Resistant to hot air, ozone, UV radiation, engine and transmission oils (FVMQ), animal and vegetable fats, and oils.
- Silicone can be compounded to be electrically resistant, conductive, or flame retardant.
- Metal detectable

Applications

- Membrane Filter Holder
- Heat Exchanger
- Spray Guns
- Filter Housing
- RMG Discharge Port
- Pneumatic Cylinder



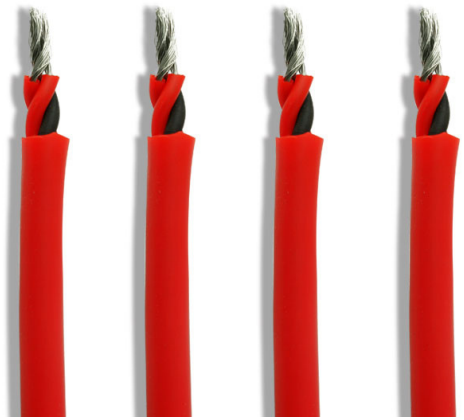
Silicone Cables & Wires

Key Features

- Extreme flexibility
- High voltage resistance
- Excellent aging resistance, even under extreme conditions
- Flame resistance.

Sizes from **0.5 sq.mm to your specified requirements.**

Also SEVITSIL offers compound of silicone rubbers in electrical application.



Silicone High Temperature & Voltage Insulation Sleeve

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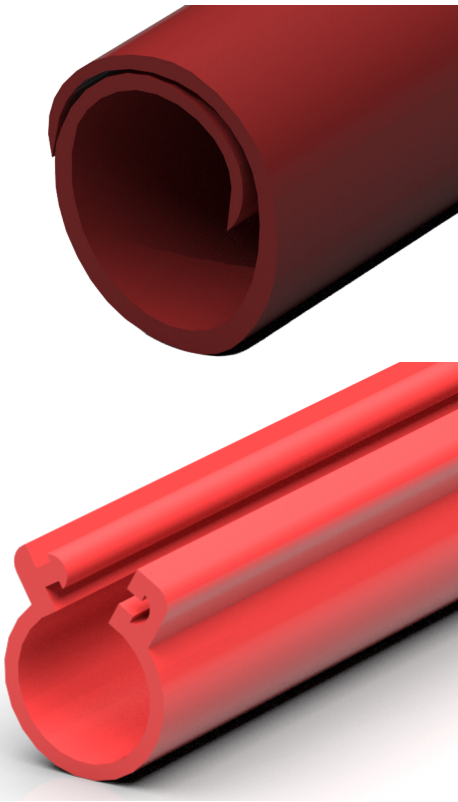
A silicone high temperature and voltage insulation sleeve is a protective covering made of silicone material designed to provide insulation and resistance to high temperatures and electrical voltages. It is commonly used in various applications where there is a need to protect wires, cables, or components from heat and electrical currents.



Key Features

- High-temperature resistance
- Electrical insulation
- Voltage resistance
- Flexibility and durability
- Flame retardancy
- Easy installation and maintenance
- Wide range of applications

Available Voltage Capacity: ≤ 11KV | ≤ 33KV

Available In Sizes from : ⌀ 10 mm to ⌀39.8 mm

Silicone Sponge Sheet

Key Features

- Highly versatile product
- Excellent thermal stability
- Good resistance to weathering, UV & Ozone damage
- Wide functioning temperature range
- Good thermal insulator
- Excellent sealing capabilities
- Resistant to mildew & bacteria
- Easy to cut to size

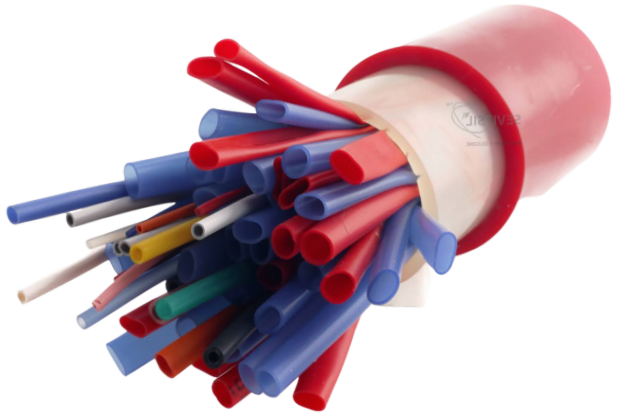
Applications

- Environmental shields
- Electrical and automotive gaskets
- Seals
- Medial equipment

Silicone Tube

Applications

- Bus Bar
- Wire & Cable Insulation
- Relay
- Powder Coating
- Tube Valve
- Tile & Ceramic Machines
- Over Head Line
- Hopper Dryer
- Lamination
- Door Closers
- Aviation
- Marine Fuels



Silicone MultiLumen Tube

Key Features

- Numerous lumens/channels
- Excellent Dielectric Properties
- Flexible
- Translucent for visual monitoring
- High Working Temperature
- Wide functioning temperature range
- High Lubricity
- Tight Tolerances

Applications

- Catheters
- Electronics
- Analytical equipment
- Fluid transfer
- Drug delivery
- Medical instrumentation

High Temperature Welding Blankets

Key Features

- Suitable for temperature up to 550°C
- Different treatments – graphite coating, vermiculite coating and heat coating
- Multi-designs and models
- Superior quality

APPLICATIONS

- Refractory
- Boiler
- Steel
- Aluminium

APPLICATIONS

- Petrochemical
- Pulp and paper
- Shipyards
- Fire departments

APPLICATIONS

- Welding
- Automotive
- Anywhere heat protection is required

Silicone Coated Fabric/Tape/Belt

Key Features

- Ultra-modern design
- Abrasion resistant
- Very small bending radius
- Resistant to moisture, sunlight
- Supremely strong

APPLICATIONS

- Chemical
- Cement
- Oil Industries
- Iron
- Safety Curtains
- Petro Chemical

High Temperature Clip Hose | Spiral Hose

HIGH-TEMPERATURE HOSE WITH HEAT RESISTANCE UP TO (1100° C , 700° C,500° C,450° C)

APPLICATIONS

- Extreme heat
- Removal of exhaust fume from test benches in the vehicle industries
- Fume removal
- Automotive / mechanical industries
- Extrusion of fume gas from aircraft engineering
- Steels industries
- A special clamping process ensure high tensile strength of the hose material outer spiral material
- Safety from infrared radiation
- Industrial ovens
- Shipbuilding
- Used in components of various machine
- As components for various machines which produced hot and cool air
- Exhaust systems
- Aircraft and defense

Key Features

- High temp. resistance
- Fire /heat resistance
- Minimum bending radius
- Vibration resistance due to filament reinforcement
- Eligible for continuous bending
- Galvanized steel spiral protection against wear
- Good vacuum resistance

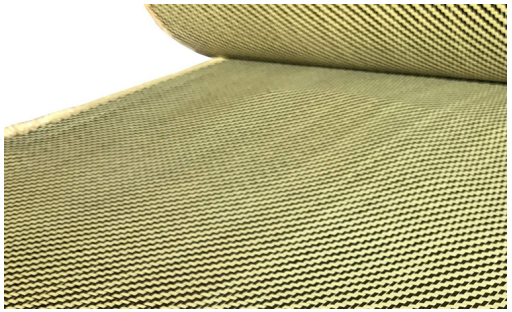
Coated Aramid Fabrics

Key Features

- Chemical, temperature and fire resistant
- Latest technologies
- Superior design
- High tenacity

APPLICATIONS

- Heat and flame shielding
- Molten splash protection
- Welding cutting protection



SILICONE STRIP

Applications

- Furnace Sealing Application

Key Features

- High quality material
- Good durability
- Highly versatility
- Offers great sealing properties.

Standard Size

- Available in silicone strips
- 45 mm width X 0.5 mm thickness with and without bobbin.

High Temperature Silicone Coated Sleeve

Key Features

- Fire resistant
- Temperature resistant
- Chemical resistant
- Highly durable and flexible

APPLICATIONS

- Industrial hoses
- Cables and wire
- Aviation and marine fuel

High Silica Cloth/Fabric

Key Features

- Highly heat resistant
- 90% silicone dioxide
- Excellent output
- Incredibly durable

APPLICATIONS

- Welding/cutting protection
- Molten metal splash protection
- Heat and flame shielding

Silicone Molded Products

Silicone molded products can be used for numerous purposes in the Thermal, Electrical, Medical and Healthcare industries. Silicone has an excellent shaping property easing to play with its structure. SEVITSIL is a leading manufacturer of silicone molded products. We produce molded silicone products through in-house compression molding.

Silicone Compound Specialised For Cables & Insulations

Benefits and Features

- Excellent dielectric strength
- Low Volatility
- Moisture Resistance
- Good thermal oxidization and chemical stability
- Wide operating temperature range -60°C to 220°C
- Odorless

COMPLIANCES AND CERTIFICATIONS

SEVITSIL®
SOLUTIONS IN SILICONE

ISO 9001 : 2015 for QMS from Intertek
IATF 16949 : 2016 for Automotive from BSI
ISO 14001 : 2015 for Environment Management from Intertek
ISO 45001 : 2018 for for Health & Safety Management from Intertek
ISO 13485 : 2016 for Medical Devices from DNV

Laboratory Test Report - COA
ROHS- 3 As Per EU Directive 2015/863
Breakdown Voltage Test Results
WEEE Declaration
UL 94 V0 Declaration (If applicable)
Certificate of Conformance

OTHER PRODUCTS

SEVITSIL®
SOLUTIONS IN SILICONE

Corona Treater Sleeve

Silicone Cable Tie

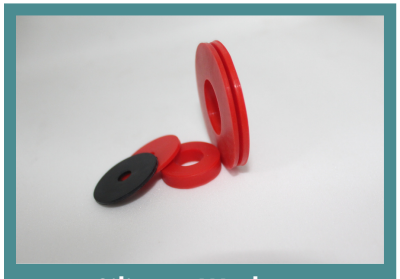
Silicone Color Coded Tube

Silicone Braided Hose

Railway Sleeve

Silicone Cable

Silicone Inside Spiral Tube



Silicone Washers

Silicone Conductive Profiles

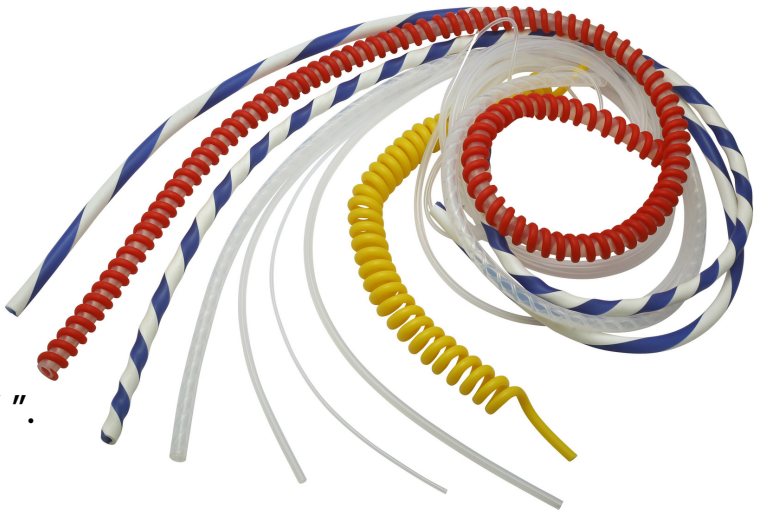
Silicone Sheet

CABLE CONNECTOR

Radio-Sil Products

WHY US ?

- Because we believe in what we say.
- Because we believe in what we do.
- Because we believe in what is right.
- Because we believe in building trust.
- Because we believe in creation.
- Because we believe in sustainability.
- Because we believe in our products.
- Because we believe in " THE SEVITSIL WAY ".
- Because we believe in " YOU ".



OUR CLIENTELE

You !!!

We believe in confidentiality !!

If you have any feedback for our product catalogue please send an email to **kinjal.choksi@sevitsil.com**

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Product Catalogue

Electrical

Electronic

Lighting

SEVITSIL®

SOLUTIONS IN SILICONE

Automobile

Thermal

Medical

ISO 9001:2015, ISO 14001:2015, ISO 45001:2007, ISO 13485:2016, IATF 16949:2016 & CLEAN ROOM CLASS 10000 CERTIFIED MANUFACTURING FACILITY.

SURESH
ENTERPRISES

आत्मनिर्भर भारत

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