



SURESH
ENTERPRISES

PREMIUM RANGE
SILICONE PRODUCTS FOR
ELECTRICAL & ELECTRONICS
INDUSTRIES

SEVITSIL[®]
SOLUTIONS IN SILICONE





49+
Years

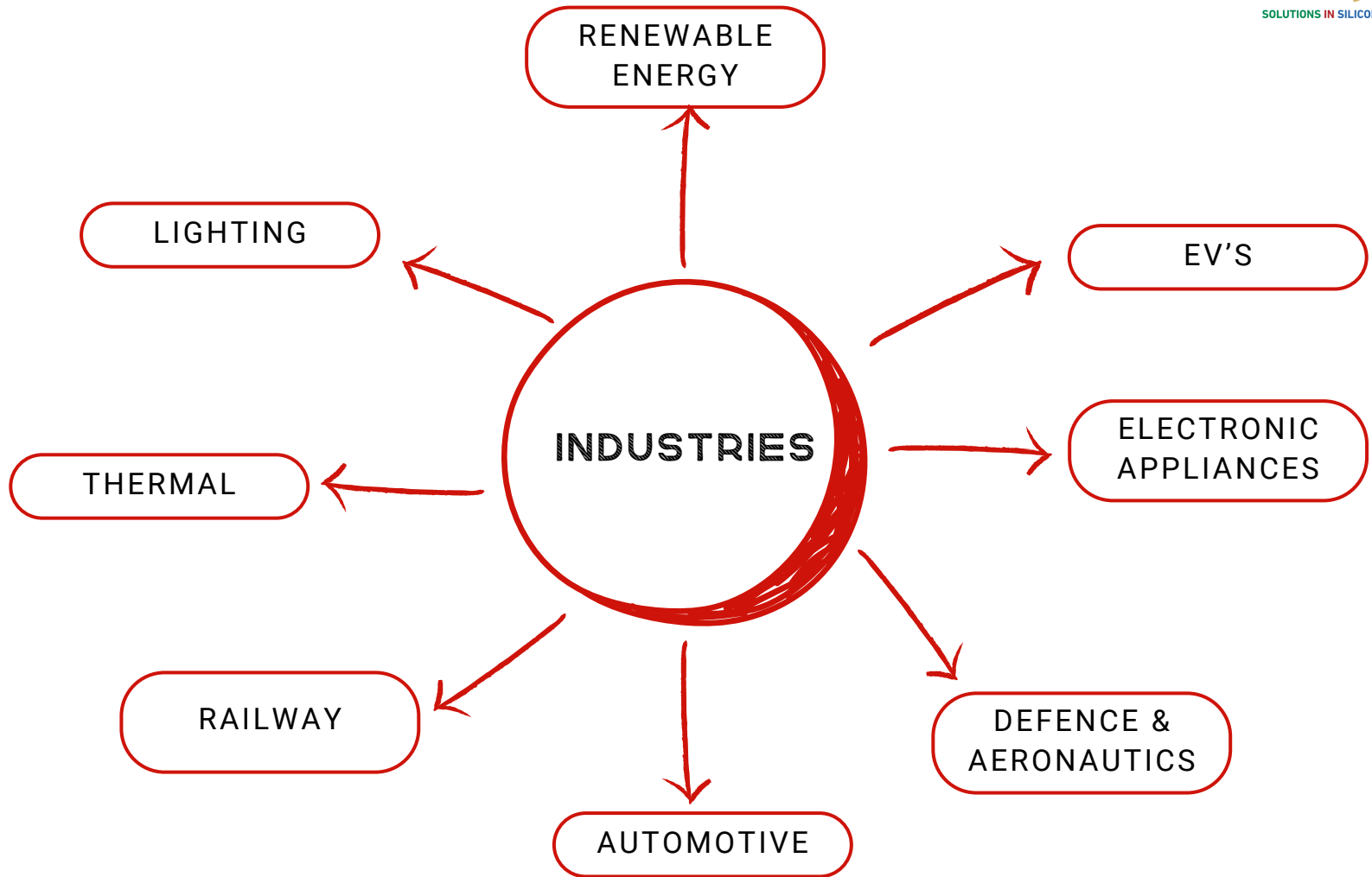
**Exporting
to 35+
Countries**

QUALITY STANDARDS & CREDENTIALS

- ISO 9001 : 2015 for QMS from Intertek
- ISO 14001 : 2015 for Environment Management from Intertek
- ISO 13485 : 2016 for Medical Devices from DNV
- ISO 45001 : 2018 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
- ZED GOLD CERTIFIED

WHO ARE WE ?

- SEVITSIL - Solutions in Silicone is a brand name of **Suresh Enterprises**.
- Glad to serve 2500+ clients in 35+ 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 annum.
- Supplying more than 30 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 Electrical Industry

Our expert design & application engineers are available to assist our customers, product design engineers, OEM and provide innovative solutions for most demanding industries/markets. We are capable of sourcing nearly every type of standard of an almost unlimited number of applications.

Silicone rubber products exhibits many diverse properties.



Water Resistance



Dielectric Strength



Temperature Withstanding Range (-50 to 300 degrees)



Great Elasticity



Non Toxic



Insulative Properties



Low Flammability



Flexible



Excellent Thermal Resistance



Flame Retardant

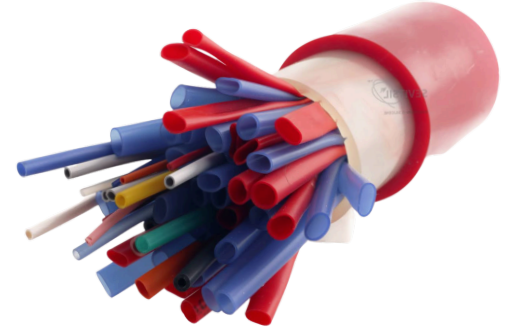


UV Resistance

Silicone Insulation Sleeve

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



Standard Size		
1 mm ID X 2 mm OD	4 mm ID x 5 mm OD	7 mm ID X 8 mm OD
2 mm ID X 3 mm OD	5 mm ID X 6 mm OD	8 mm ID X 9 mm OD
3 mm ID X 4 mm OD	6 mm ID X 7 mm OD	9 mm ID X 10 mm OD

All colors are available

Flame Retardant Silicone Sleeves

SEVITSIL offers UL94 V-0 & UL94 HB-approved grade silicone sleeves, we can offer high-temperature resistance up to 250 °C.

Features

- Highly flexible
- Withstands high temperature
- All weather protection

Applications

- To transfer liquid, air & gas
- High voltage battery systems
- Coolant heaters



Silicone Overhead Insulation Sleeve - KavachSil[™]

SEVITSIL Overhead sleeves “KavachSil” is an extraordinary innovation which plays a vital role in saving lives of thousands of humans and animals. For transmission of electrical energy from one point to another distant point to establish communication, one of the modes is to use metallic conductors.

KavachSil is manufactured by specially formulated Silicone Rubber..

Advantages over choosing SEVITSIL KavachSil

- Fastest Delivery
- In-house tooling, compounding and testing facility
- Globally Competitive
- Made In India

Applications

- For ACSR (Aluminium conductors Steel Reinforced) conductors
- Protection of birds and wildlife
- Transformer stations
- Railway catenary systems
- Performs effectively in cross line



Features

- Easy and Quick Installation
- Anti-aging
- Corrosion Resistance
- High Temperature Performance Properties.
- UV Resistant
- Moisture & Chemical Resistant
- Arc Resistance
- Excellent Ozone Resistance
- No Special tools required in Installation
- High Dielectric strength & Volume Resistivity

Conductor Name: Dog | Panther | Wolf | Rabbit | Moose & many more conductors available

Available Voltage Capacity: ≤ 11KV | ≤ 33KV | ≤ 110KV

Available In Sizes from : Ø 10 mm to Ø 40 mm

**Note: Silicone
Overhead Insulation
Sleeve Also
Available In Three
Different Variant**



Conductor Size (Sqmm)	Sleeve Size	Voltage Rating		
		11 KV (Wall thickness 2.3 mm)	33 KV (Wall thickness 2.7 mm)	110 KV (Wall thickness 4 mm)
30mm	φ10.0mm	SED#1964	-	-
50/75mm	φ12.0mm	SED#1928	SED#1929	-
80mm	φ15.6.0mm	SED#1930	SED#1916	-
95/120mm	φ17.0mm	SED#1931	SED#1932	SED#1933
150/185mm	φ20.0mm	SED#1934	SED#1935	SED#1936
210/240/300mm	φ24.2mm	SED#1937	SED#1924	SED#1938
400mm	φ30.0mm	SED#	SED#1925	SED#1939
500mm	φ32.0mm	-	SED#	SED # 2356
630mm	φ35.0mm	-	SED # 2197	SED#2324

Silicone Self Diffuser Tape

Silicone tapes are produced from specially formulated silicone rubber. They bond irreversibly to provide an insulative barrier that is resistant to moisture, oxygen, ozone and corona over a wide temperature range (-65°F up to +500°F). Our products provide superior electrical insulation with a dielectric strength of 300 VPM minimum at 356°F/180°C.



Product Features

- High temperature and good weather resistance
- Available in custom sizes and length
- Self fusing
- Good electrical insulation properties

Applications

- Aerospace
- Wire harness
- Wrapped around cables
- Electrical lines
- Automotive applications



Silicone Overhead Line Sleeve Self locking

SEVITSIL is a design, development, and manufacturing company specializing in premium-grade products, including self-locking silicone overhead line sleeves. Our products are renowned for their exceptional quality, and we are committed to delivering top-notch solutions to our clients worldwide.

Features & Benefits:

- Excellent UV and Ozone resistance.
- Excellent Tracking resistance.
- Good Di-electric strength.
- Protection for leads and jumpers.
- Highly flexible Silicone tubing makes application easy.
- Flame Retardant.
- No special installation tool required.
- Does not require further derating conductors.
- Helps prevent contacts by eliminating gaps in coverage.
- Provides Insulation Enhancement upto 765 kV



Applications

- Transformer station protections
- Railway catenary system
- Performs effective in cross line

Silicone Cable Terminal Insulation Boot

SEVITSIL insulation boot is an insulating barrier which can be used to connect indoor termination. The boot provides phase to phase to earth insulation to power cable termination where these terminations need to be installed in very compact space, such as motor terminal boxes, ring main units, distribution transformers etc., where the air clearance is not sufficient for normal operation or to protect against flashover.

Features

- Easy and fast to install, no special tools or heat needed.
- Adapts to a wide range of cable size up to 400 sq.mm.
- Outstanding weathering, UV, Ozone, chemicals, fungi resistance.
- Outstanding water repelling (Hydrophobic).
- Suits for straight or right-angle application.
- Low cost and easy for maintenance, and reusable.

Applications

- Motor terminal boxes
- Ring main units
- Distribution transformers



Advantages over choosing silicone rubber

- Flow, wetting, adhesion and cure properties that can help speed and simplify processing
- Reliable performance under harsh conditions

Applications

- Electrical wiring systems
- Temperature sensors
- Engine/motor cabling
- Battery cables
- Airbags
- Door locking systems
- Rainwater drain hoses
- Door and window seals
- Windshield washer systems
- Spark plug connector gaskets

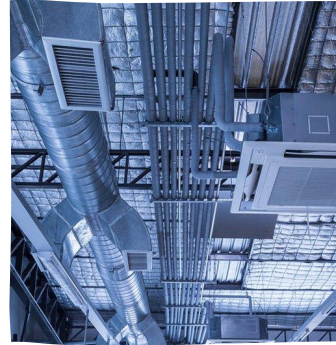


Silicone Rubber in HVAC

Silicone rubber is used in a number of common HVAC applications especially within mass transit applications. Silicone sponge is the perfect material for use in applications within HVAC systems due to its superb.

Applications

- Enclosure gaskets
- Thermal insulation
- Acoustic insulation
- Vibration dampening
- Environmental seal



Silicone Products for Renewable Energy

Silicone rubber is widely used within the energy sector.

Features

- High-performing properties
- Highly durable
- Robust solution

Applications

- Acoustic & vibration insulation
- Seals & gaskets
- Thermal insulation
- Protection and safety



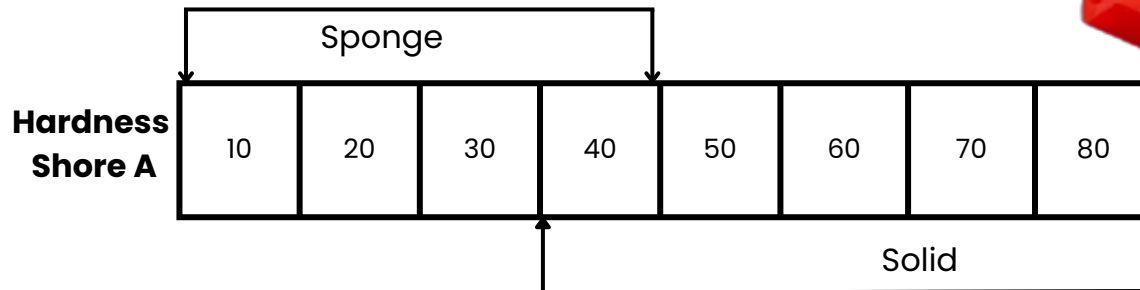
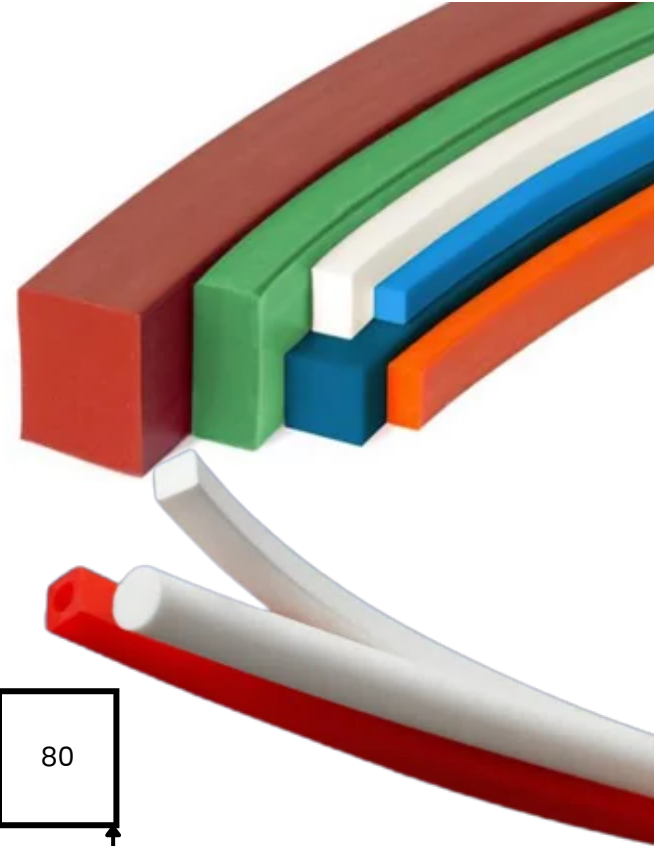
SEVITSIL offers wide range of solid & sponge gaskets in different colours, size , shapes & hardness.

Advantages

- Uniformity
- Surface finishing
- Superior sealing properties
- Easy to join

Applications

- O rings for use in automobiles
- High pressure gauges & meters
- Plugging holes in extruded rubber fender

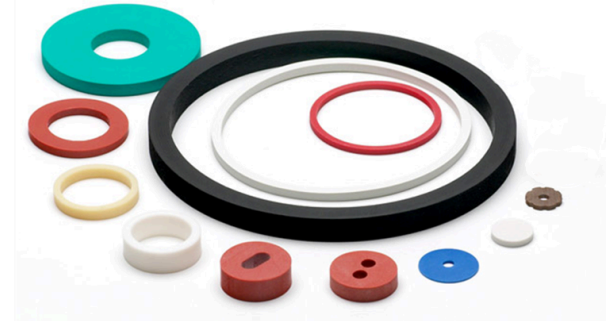


Silicone Molded Gaskets & O Rings

SEVITSIL offer silicone o-rings in standard sizes and offer custom silicone seals and gaskets tailored to meet your specific requirements. Our custom silicone o-rings, gaskets, and seals can be customized with the hardness, colors, and industry certifications necessary for your application.

Applications

- Aerospace/Aviation
- Appliances
- Electrical
- Food Processing
- Medical
- Military

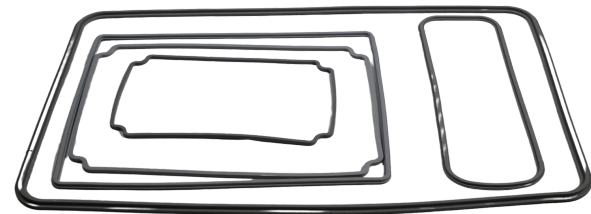


Silicone Molded Gasket

SEVITSIL offer Silicone rubber molded gaskets, cut from a synthetic elastomer, offer excellent electrical insulation and high resistance to extreme temperatures.

Applications

- Healthcare instruments
- Medical diagnostic machines
- Food production plants.
- Electronic communication equipment,
- Silicone gasket can provide EMI shielding due to its conductive property.



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
- Capable in extreme conditions: heat, pressure, steam, and hot oils.
- Highly versatile.
- Offers great sealing properties.
- Prevents thermal contraction and expansion.

Key Facts

- Pioneers in thermosil
- Zero defects
- Available in 5 standard sizes.
- 100 mtr roll available in small profiles and 25 mtr roll available in big profiles



Silicone Strips

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.

Silicone Rubber Profiles

Features

- Flame resistance
- Withstand to change in temperature
- Solid design
- Optimum hardness

Applications

- Aerospace
- Railway
- Civil engineering
- Food and dairy industry
- Pharmaceutical industry



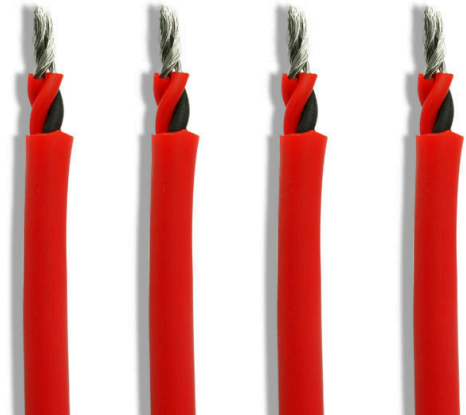
Silicone Wires

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.

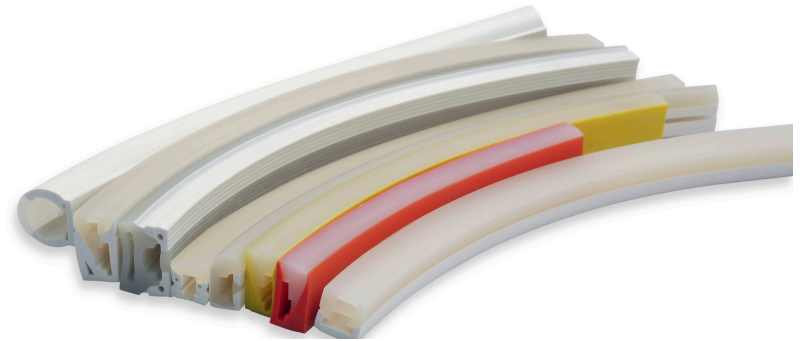


LuminoSil

Silicone rubber with its superb sealing properties, ability to withstand high temperatures and lightweight features makes it the material of choice for both indoor and outdoor LED lighting applications. Selecting the right material for LED lighting applications is crucial, as significant downtime and repair costs can occur if electrical enclosures fail to keep out water, moisture or dust ingress.

Features

- High strength
- High temperature
- Flame retardant
- Electrically conductive
- Steam resistant
- Oil resistant



LuminoSil LED Profile

<p>SED 1569 Top View</p>	<p>SED 1680 Top View</p>	<p>SED 1712 Side View</p>	<p>SED 1986 Top View</p>
<p>SED 1605 Top View</p>	<p>SED 1681 Top View</p>	<p>SED 1747 Top View</p>	<p>SED 1987 Side View</p>
<p>SED 2118 Top View</p>	<p>SED 1704 Top View</p>	<p>SED 1748 Side View</p>	<p>SED 1994 Side View</p>
<p>SED 1664 Top View</p>	<p>SED 1705 Top View</p>	<p>SED 1749 Side View</p>	

Silicone Molded Products

Silicone molded products can be used for numerous purposes in the 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 -50°C to 200°C
- Odorless



COMPLIANCES AND CERTIFICATIONS

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 Health & Safety Management from Intertek

TSE/BSE Free Declaration

ROHS- 3 As Per EU Directive 2015/863

BDV Test

WEEE Declaration & REACH Declaration

UL 94 V0 Declaration

Salt Water Test



Corona Treater Sleeve



Silicone Cable Tie



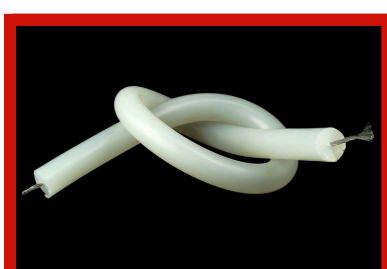
Silicone Moulded Parts



Flower Gasket



Railway Sleeve



Silicone Cable



Silicone LED Profile



Silicone Washers



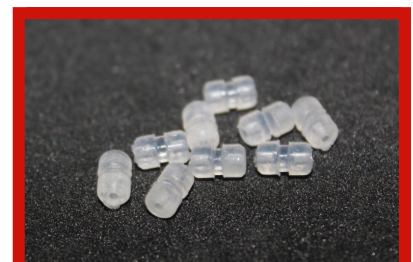
Silicone Conductive Profiles



Silicone Sheet



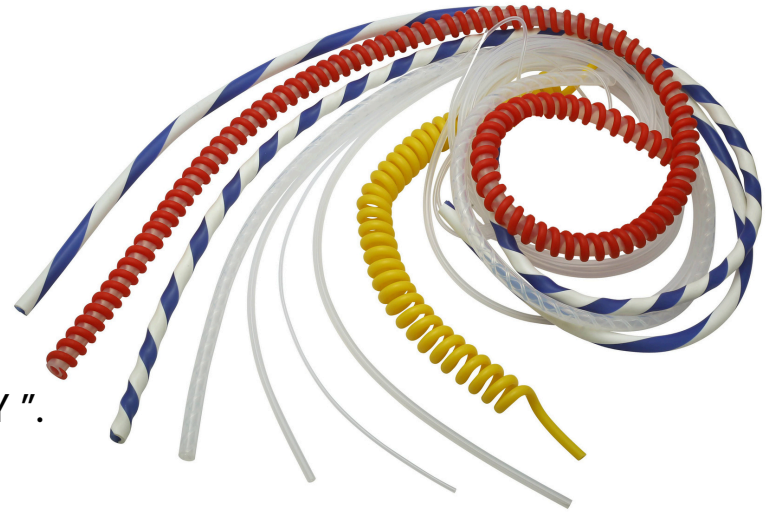
CABLE CONNECTOR



Mini Silicone Cable Connector

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 design@sevitsil.com



Scan For Main
Product Catalogue



Electrical



Electronic



Lighting



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



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