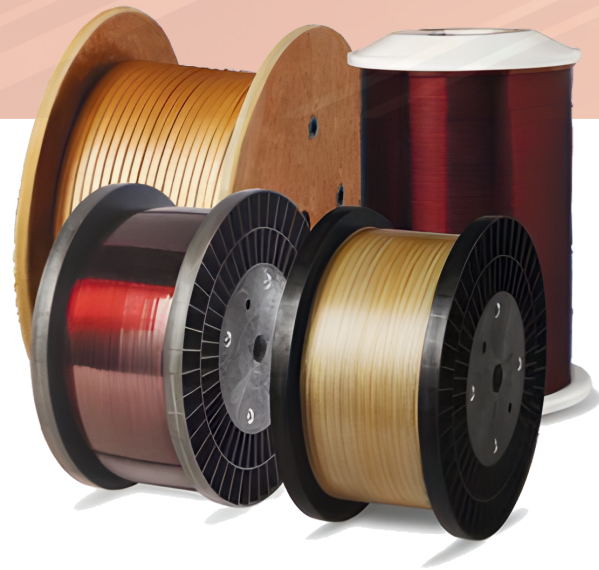




PiNANK
WIRES AND CABLES LLP



ENERGIZING THE WORLD
WIRE BY WIRE



WWW.PINANKWIRES.COM



Future-ready Winding Solutions

For over two decades, Maruti Wiretech Pvt. Ltd has proudly served as a leading manufacturer and exporter of submersible winding wires. Our unwavering commitment to achieving excellence in product quality and business operations has led us to exceed customer expectations continually. Today, we are excited to introduce our new venture, Pinank Wires & Cables LLP, dedicated to manufacturing enameled round copper winding wires and core PVC flat submersible cables.

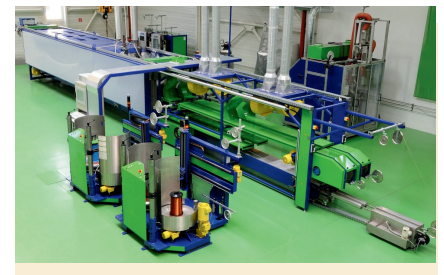
Our manufacturing facility is strategically located in Padadhari, Rajkot, Gujarat, approximately 700 kilometers from Mumbai, India's largest metro city and commercial capital. Situated just 40 kilometers from Rajkot along the national highway, our factory enjoys excellent connectivity to all parts of the country via road and railways. Additionally, we are conveniently linked to the Mundra and Kandla ports in Gujarat, which are only 200 kilometers away, facilitating efficient product distribution.

Pinank Wires & Cables LLP stands as a beacon of quality with its ISO 9001:2015 certification, a testament to its commitment to international standards and recognition by the **Joint Accreditation System of Germany and Austria**. Elevating its credentials further, the company proudly boasts a **UL Certificate (E522826)**, a **Compliance Certificate (CE-4343)**, and the esteemed **approval from ERDA**. We are among the select few manufacturers in our industry to hold this prestigious quality management certification.

Our reputation for delivering consistent product quality, competitive pricing, and timely deliveries has earned us a diverse and discerning clientele, including multinational corporations.



Pinank Wires & Cables LLP excels in enameled copper wires and PVC submersible winding wires, renowned nationally and internationally



OUR VISION

Our vision for Pinank Wires is to become a global leader in electrical solutions, renowned for total quality, cutting-edge technology, and exceptional customer service. We aim to be the preferred supplier for key customers worldwide and achieve a 25% market share in India by 2025.



OUR MISSION

Our mission at Pinank Wires is to deliver superior electrical solutions through continuous innovation and uncompromising quality. We are committed to exceeding customer expectations, fostering growth, and contributing to a sustainable future in the field of electrical products and services.



OUR VALUES

Our values at Pinank Wires define our core principles and guide our actions:

1. **Quality Excellence:** We prioritize uncompromising quality in every product and service we offer.
2. **Innovation:** We foster a culture of continuous innovation to stay at the forefront of our industry.
3. **Customer-Centric Approach:** Our customers are at the heart of everything we do, and we are committed to exceeding their expectations.

ENAMELED COPPER WINDING WIRES



Pinank Wires offers a diverse range of Enameled Copper Winding Wires / Magnet Wires, meticulously crafted for superior performance. Our wires, made from electrolytically refined copper, boast excellent mechanical properties. Fully annealed for maximum customization benefits, they find applications in Electrical Motors, Transformers, Switchgear, Consumer and industrial Electronics, Auto Electrical, Refrigerators, Air Conditioners, Domestic Appliances, Pumps and fans, and more. Trust Pinank Wires for reliable, tailored solutions in hermetic electrical applications.

SIZE RANGES

	MIN.	MAX.
SWG	5	45
SIZE	5.400 MM	0.071 MM
GRADE	1	3

APPLICABLE SPECIFICATION / STANDARDS

IEC, DIN, IS, Other Relevant National
International / Customized Standard

INSULATION CLASS

	THERMAL CLASS	SPECIFICATION
POLYESTER	130°C	IS-13730-PART-34
MODIFIED POLYESTER	155°C	IS-13730-PART-03
POLYESTERIMIDE	180°C	IS-13730-PART-08
DUAL COATED	200/220°C	IS-13730-PART-13
SELF SOLDERABLE	155°C & 180°C	IS-13730-PART-20

PACKING DETAILS

PT 4, PT 10, PT 25, PT 45, PT 90, PT 180
AS PER DIN STANDARDS

APPLICATIONS

ELECTRICAL MOTORS	AUTO ELECTRICALS
TRANSFORMERS	REFRIGERATORS
SWITCHGEAR	AIR CONDITIONERS
INDUSTRIAL ELECTRONICS	PUMPS & FANS

ENAMELED COPPER/ALUMINIUM RECTANGULAR STRIPS



Pinank Wires proudly offers a versatile range of Enameled Copper / Aluminium Rectangular Strips, crafted from electrolytically refined copper for exceptional mechanical properties. Fully annealed for maximum customization, these strips find applications in Electrical Motors, Transformers, Electronics, Auto Electrical, Appliances, and more. Trust Pinank Wires for reliable solutions in hermetic electrical applications with our premium Rectangular Strips.

SIZE RANGES

	MIN.	MAX.
WIDTH	3.15 MM	20 MM
THICKNESS	1.12 MM	5 MM
CROSS SECTION	3.5 SQ. MM	75 SQ. MM

APPLICABLE SPECIFICATION / STANDARDS

IEC, DIN, IS, Other Relevant National International / Customized Standard

INSULATION CLASS

POLYVINYL ACETAL ENAMEL 105°C
 POLYESTER ENAMEL (CLASS F - 155°C)
 POLYESTERIMIDE (CLASS H - 180°C)
 DUAL COATED POLYESTER (IMIDE) +
 POLYAMIDEIMIDE (OVERCOAT)

ENAMEL INCREASE IN DIMENSIONS

GRADE OF COVERING	MIN.	MAX.
FINE [E1]	0.06	0.11
MEDIUM [E2]	0.11	0.16



PAPER COVERED COPPER/ALUMINIUM CONDUCTORS

Pinank Wires introduces a diverse selection of Paper Covered Copper / Aluminium Conductors, meticulously engineered for superior performance. Utilizing high-quality copper, our conductors are meticulously crafted and enveloped with premium insulating paper. These conductors demonstrate excellent electrical properties and are fully customizable for various applications. Ideal for use in Transformers, Motors, Generators, Switchgear, and other electrical systems, Pinank Wires guarantees reliability and tailored solutions in hermetic electrical applications with our premium Paper Covered Copper Conductors.

SIZE RANGES

	MIN.	MAX.
WIDTH	4	40
THICKNESS	0.80 MM	8 MM
CROSS SECTION	3.2 SQ. MM	150 SQ. MM
W/T RATIO	1.2	8




APPLICABLE SPECIFICATION / STANDARDS

IEC, DIN, IS, Other Relevant National International / Customized Standard

D.P.C. & T.P.C.

SIZE RANGE	MIN.	MAX.
DIAMETER	0.80 MM	6.0 MM

EDGE PROFILE

Square Edges	Round Edges	Full Round
		

INSULATION OPTIONS

ELECTRICAL GRADE KRAFT PAPER	THERMALLY UPGRADED PAPER
NOMEX PAPER	CREPE PAPER
MICA PAPER	POLYESTER PAPER



DOUGLAS COVERED COPPER / ALUMINIUM CONDUCTORS

Pinank Wires proudly presents a versatile range of Fiberglass/Douglas Covered Copper/Aluminium Conductors, meticulously crafted to deliver superior performance. These conductors, featuring a core of copper or aluminium, are meticulously enveloped with high-quality Fiberglass or Douglas insulating materials. With excellent electrical properties and durability, our conductors are fully customizable for a wide range of applications. Whether in Transformers, Motors, Generators, Switchgear, or other electrical systems, Pinank Wires ensures reliability and tailored solutions in hermetic electrical applications with our Fiberglass/Douglas Covered Copper/Aluminium Conductors.

SIZE RANGES

	MIN.	MAX.
WIDTH	4	20
THICKNESS	1 MM	6 MM
CROSS SECTION	4 SQ. MM	120 SQ. MM

APPLICABLE SPECIFICATION / STANDARDS

IEC, DIN, IS, Other Relevant National International / Customized Standard

VARNISH OPTIONS

POLYMERIZED THERMOSETTING VARNISH CLASS B, H, F INSULATIONS

INSULATION OPTIONS

'E' GRADE FIBER GLASS YARN

THE INSULATION CONSISTS OF 2 LAYERS OF E GRADE FIBER GLASS YARN TANGENTIALLY LAPPED AND BONDED WITH HIGHLY POLYMERIZED THERMOSETTING VARNISH IN TANDEM OPERATIONS



MULTI PAPER COVERED COPPER CONDUCTORS

Discover the excellence of Pinank Wires' Multi Paper Covered Copper Conductors and Connection Cables, meticulously engineered for top-notch performance. These conductors boast a copper core enveloped with multiple layers of premium insulating paper, ensuring exceptional electrical properties and enhanced durability. Perfectly suited for various applications such as Transformers, Motors, Generators, Switchgear, and connection cables, our products offer versatility and reliability. Count on Pinank Wires for tailored solutions in hermetic electrical applications, providing superior Multi Paper Covered Copper Conductors and Connection Cables to meet your specific needs.

SIZE RANGES

SOLID ROUND	MIN.	MAX.
CROSS SECTION	1.50 MM	16.00 MM
THICKNESS	1.75 MM ² .	200 MM ²

STRANDED/FLEXIBLE/BUNCHED ROUND

DIAMETER	2.00 MM	30.00 MM
CROSS SECTION	3.00 MM ²	450 MM ²

INSULATION RANGE (RADIAL)

MIN.	MAX.
0.300 MM	10 MM

APPLICATIONS

POWER TRANSFORMER
DISTRIBUTION TRANSFORMER

INSULATION TYPE

KRAFT
CREPE
TUP

APPLICABLE SPECIFICATION / STANDARDS

IEC, DIN, IS, Other Relevant National
International / Customized Stantard





SUBMERSIBLE WINDING WIRES

Experience the excellence of Pinank Wires' Submersible Winding Wires, meticulously designed for optimal performance. Crafted with precision, these wires are engineered with high-quality materials to withstand submersion and ensure superior functionality. Ideal for applications in submersible pumps and motors, our winding wires offer reliable and efficient electrical performance. Pinank Wires guarantees durability and tailored solutions for submersible applications, making us the trusted choice for Submersible Winding Wires that meet the highest standards of quality and performance.

DIAMETER	DIA 0.4 to 2.8 MM
INSULATION MATERIAL	PVC
TYPE	INSULATED
ELONGATION %	24 TO 34
TOLERANCE	0.004 to 0.03 MM

APPLICABLE SPECIFICATION / STANDARDS

IEC, DIN, IS, Other Relevant National International / Customized Stantard

APPLICATIONS

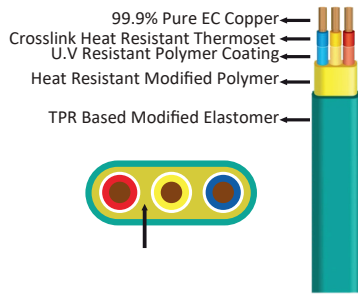
SUBMERSIBLE MOTORS
 SUBMERSIBLE PUMPS (FOR WATERWELLS, BOREHOLES, ETC.)

INSULATION TYPE

POLYETHYLENE
 PVC
 POLYPROPYLENE

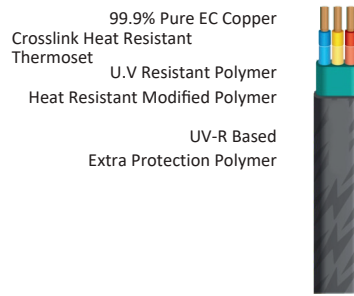


Maruti Platinum



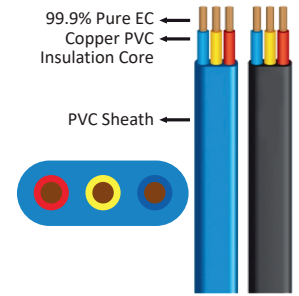
- TPR Based Three core flat cables with modified Poly-Elastomer Sheathed.
- Operates in temperature ranging -40 to +95 C
- Used 99.9% pure EC Grade copper
- Maruti Platinum cable with High-Life performing insulation & sheath with low water absorb on rate.
- Good weathering stability. TPR Insulated cable which is resistant to Ozone and U.V. rays.
- It has high current carrying capacity.
- Twin coated inner core for protect on against U.V. Heat & Voltage Fluctuation.
- Double sheathed. Fully protected inner core with safety walls to prevent water penetration and heat transfer to another core.

Maruti Gold



- Thermoset insulated, sheathed UV-R Three core flat submersible cable
- Operates in temperature ranging -40 to +95C
- Used 99.9% pure EC Grade copper
- Maruti Platinum cable with High-Life performing insulation & sheath with low water absorb on rate.
- Good weathering stability. TPR Insulated cable which is resistant to Ozone and U.V. rays.
- It has high current carrying capacity.
- Twin coated inner core for protection against U.V. Heat & Voltage Fluctuation
- Double sheathed. Fully protected inner core with safety walls to prevent water penetration and heat transfer to another core.

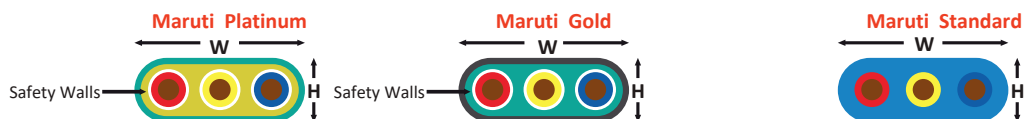
Maruti Standard



- Finely stranded bare flexible copper conductors having PVC insulation and PVC sheath
- Operates in temperature ranging -15 to +70C
- Used 99.9% pure EC Grade copper
- Maruti Standard cable have excellent resistance to moisture, abrasion, grease,
- Excellent mechanical & electrical properties
- Copper EC Grade with high conductivity annealed and bunched copper.

Maruti Platinum and Maruti Gold (International Standard) (Maruti Standard Cable) 3 Core Flat Cable (IS 694)

Conductor		Insulation		Sheath		Conductor Resistance @20C (max) ohms/km.	W x H	Conductor		Insulation		Sheath		Conductor Resistance @20C (max) ohms/km.	W x H
Area sq. mm.	No. of Standards/ Dia. mm.	Thickness (Nom) mm.	Thickness (Nom) mm.	Thickness (Nom) mm.	Thickness (Nom) mm.			Area sq. mm.	No. of Standards/ Dia. mm.	Thickness (Nom) mm.	Thickness (Nom) mm.	Thickness (Nom) mm.	Thickness (Nom) mm.		
1.0	14/0.3	0.6	0.9	18.1	10.80 x 4.60	1.0	14/0.30*	0.60	0.90	18.10	10.0 x 4.70				
1.5	22/0.3	0.6	0.9	12.1	11.40 x 4.90	1.5	22/0.30*	0.60	0.90	12.10	10.40 x 5.20				
2.5	36/0.3	0.7	1.0	7.41	14.20 x 5.90	2.5	36/0.30*	0.70	1.00	7.41	12.90 x 6.10				
4.0	56/0.3	0.8	1.1	4.95	16.20 x 6.60	4.0	56/0.30*	0.80	1.00	4.95	15.20 x 6.80				
6.0	84/0.3	0.8	1.1	3.30	18.50 x 7.60	6.0	84/0.30*	0.80	1.10	3.30	17.40 x 7.60				
8.0	112/0.3	1.0	1.2	-	20.60 x 8.40	10.0	140/0.30*	1.00	1.40	1.91	22.20 x 9.30				
10.0	140/0.3	1.0	1.2	1.91	22.90 x 9.20	16.0	1224/0.30*	1.00	1.40	1.21	28.0 x 11.40				
16.0	226/0.3	1.2	1.3	1.21	30.0 x 11.40	25.0	350/0.30*	1.20	2.00	0.780	35.50 x 14.70				
25.0	354/0.3	1.2	1.5	0.780	37.50 x 14.70	35.0	490/0.30*	1.20	2.00	0.554	39.50 x 16.20				
35.0	495/0.3	1.2	1.6	0.554	41.50 x 16.20										



Size Sq. mm.	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0
PVC Standard	14	18	26	31	42	57	72	90
Gold	18	24	32	43	60	75	92	120
Platinum	19	27	35	43	60	75	92	120

SPECIFICATION TABLE

Size (SWG)	Size (mm)	Conductor Tolerance (mm)	Resistance of 20 c (ohm/mtr)	Grade 1 Fine Covering		Grade 2 Medium		Grade Thick		For Grade 2 Wire			Weight of Enamelled wire in 1000 mtrs. in kg	Size (SWG)
				Increase Diameter (min)	Overall Diameter (min)	Increase Diameter (min)	Overall Diameter (min)	Increase Diameter (min)	Increase Diameter (max)	Gain in %	BDV in KV (min)	Back in Degree (max)		
5	5.385	0.054	0.000751	0.052	5.478	0.096	5.526	0.144	5.571	-	-	-	-	5
6	4.877	0.049	0.000915	0.050	4.970	0.094	5.018	0.142	5.063	-	-	-	-	6
7	4.470	0.045	0.001090	0.049	4.561	0.092	4.607	0.138	4.651	-	-	-	-	7
8	4.064	0.041	0.001318	0.060	4.152	0.088	5.478	0.122	4.265	35	2500	5	116.31	8
9	3.657	0.037	0.001641	0.059	3.743	0.086	4.186	0.118	3.8491	35	2500	5	94.228	9
10	3.251	0.033	0.00206	0.057	3.335	0.084	3.775	0.116	3.435	35	2500	5	74.54	10
11	2.946	0.030	0.002505	0.045	3.029	0.084	3.367	0.127	3.112	34	2500	5	61.241	11
12	2.642	0.027	0.003118	0.043	2.722	0.081	3.072	0.123	2.803	34	2500	5	49.304	12
12.5	2.489	0.025	0.003551	0.042	2.569	0.080	2.764	0.121	2.653	34	2500	5	43.759	12.5
13	2.337	0.024	0.003985	0.041	2.415	0.079	2.609	0.119	2.493	33	5000	5	38.617	13
13.5	2.184	0.022	0.00456	0.041	2.262	0.078	2.455	0.117	2.338	33	5000	5	33.726	13.5
14	2.032	0.020	0.005271	0.041	2.108	0.077	2.301	0.116	2.184	33	5000	5	29.224	14
14.5	1.930	0.019	0.005891	0.040	2.005	0.076	2.147	0.114	2.080	33	5000	5	26.363	14.5
15	1.829	0.019	0.006506	0.040	1.903	0.075	2.044	0.113	1.977	33	5000	5	23.7	15
15.5	1.727	0.018	0.0073	0.039	1.800	0.074	1.941	0.112	1.873	33	5000	5	21.131	15.5
16	1.626	0.017	0.008232	0.039	1.698	0.073	1.838	0.110	1.770	32	5000	5	18.75	16
16.5	1.524	0.017	0.00938	0.038	1.595	0.072	1.735	0.108	1.666	32	5000	5	16.472	16.5
17	1.422	0.015	0.01076	0.038	1.492	0.071	1.631	0.107	1.562	32	5000	30	14.37	17
17.5	1.320	0.014	0.01282	0.038	1.388	0.069	1.528	0.103	1.456	32	5000	30	12.382	17.5
18	1.219	0.013	0.01465	0.035	1.285	0.067	1.413	0.100	1.350	31	5000	37	10.581	18
18.5	1.117	0.011	0.01742	0.035	1.182	0.066	1.318	0.099	1.247	31	5000	37	8.884	18.5
19	1.016	0.011	0.02108	0.034	1.080	0.065	1.215	0.098	1.144	30	5000	41	7.372	19
19.5	0.965	0.011	0.02356	0.034	1.028	0.064	1.113	0.096	1.091	30	5000	41	6.651	19.5
20	0.914	0.010	0.02605	0.034	0.976	0.063	1.060	0.095	1.038	30	5000	45	5.973	20
20.5	0.863	0.009	0.02946	0.033	0.924	0.061	1.008	0.093	0.984	30	5000	45	5.324	20.5
21	0.813	0.009	0.03293	0.032	0.872	0.06	0.955	0.090	0.931	29	5000	48	4.735	21
21.5	0.762	0.008	0.0375	0.031	0.819	0.058	0.902	0.087	0.876	29	5000	48	4.16	21.5
22	0.711	0.008	0.04305	0.030	0.766	0.056	0.848	0.085	0.822	28	4900	43	3.63	22
22.5	0.661	0.007	0.04983	0.028	0.712	0.052	0.795	0.080	0.765	28	4900	43	3.137	22.5
23	0.610	0.006	0.05848	0.027	0.659	0.050	0.739	0.075	0.708	27	4800	50	2.68	23
23.5	0.584	0.006	0.06384	0.026	0.632	0.048	0.684	0.073	0.680	27	4800	50	2.457	23.5
24	0.559	0.006	0.06965	0.025	0.605	0.047	0.656	0.073	0.652	26	4600	44	2.256	24
25	0.508	0.006	0.08434	0.025	0.554	0.047	0.629	0.071	0.601	26	4600	44	1.866	25
26	0.457	0.005	0.1042	0.024	0.501	0.045	0.578	0.071	0.544	25	4600	47	1.512	26
27	0.417	0.005	0.1252	0.022	0.458	0.042	0.523	0.067	0.500	25	4400	48	1.26	27
28	0.376	0.005	0.1539	0.021	0.417	0.040	0.480	0.064	0.454	24	4400	50	1.027	28
29	0.345	0.005	0.1829	0.020	0.382	0.038	0.435	0.060	0.418	23	4300	53	0.867	29
30	0.315	0.004	0.2193	0.019	0.349	0.035	0.401	0.057	0.384	23	4100	55	0.725	30
31	0.295	0.004	0.2501	0.019	0.329	0.035	0.367	0.053	0.364	23	4100	55	0.637	31
32	0.274	0.004	0.2899	0.018	0.306	0.033	0.347	0.050	0.339	22	4000	53	0.55	32
33	0.254	0.004	0.3374	0.018	0.286	0.033	0.323	0.050	0.319	22	4000	53	0.474	33
34	0.234	0.004	0.3974	0.017	0.265	0.032	0.303	0.048	0.296	22	3900	56	0.403	34
35	0.213	0.003	0.4798	0.015	0.241	0.029	0.281	0.043	0.269	21	3700	59	0.335	35
36	0.193	0.003	0.5842	0.014	0.219	0.027	0.255	0.039	0.245	21	3500	62	0.275	36
37	0.173	0.003	0.7271	0.013	0.197	0.025	0.232	0.036	0.222	20	3300	65	0.222	37
38	0.152	0.003	0.9418	0.012	0.174	0.023	0.210	0.033	0.197	19	3200	67	0.173	38
39	0.132	0.003	1.2496	0.011	0.152	0.021	0.186	0.030	0.171	18	3000	67	0.131	39
40	0.122	0.003	1.4623	0.010	0.141	0.019	0.162	0.028	0.160	17	2800	70	0.112	40
41	0.112	0.003	1.7354	0.009	0.130	0.017	0.151	0.026	0.147	-	-	-	-	41
42	0.102	0.003	2.0923	0.009	0.119	0.017	0.139	0.026	0.136	-	-	-	-	42
43	0.091	0.003	2.6283	0.008	0.107	0.016	0.128	0.023	0.122	-	-	-	-	43
44	0.081	0.003	3.3173	0.008	0.096	0.015	0.115	0.022	0.110	-	-	-	-	44
45	0.071	0.003	4.3176	0.007	0.084	0.012	0.103	0.018	0.097	-	-	-	-	45



TAN DELTA TESTER

ENAMEL TESTING

PORTABLE MILLI OHM METER

ELECTRICAL RESISTANCE

ELONGATION TESTER (MOTORISED)

ELONGATION

SPRINGINESS TESTER (UPTO 1.600MM)

SPRINGINESS

SPRINGINESS TESTER (ABOVE 1.600MM)

SPRINGINESS

PEEL TESTER

PEEL TEST

ELECTRICAL HEATED FORCED AIR CIRCULATED OVEN

HEAT SHOCK

CUT THROUGH TESTER

CUT THROUGH

UNI-DIRECTIONAL SCRAP TESTER

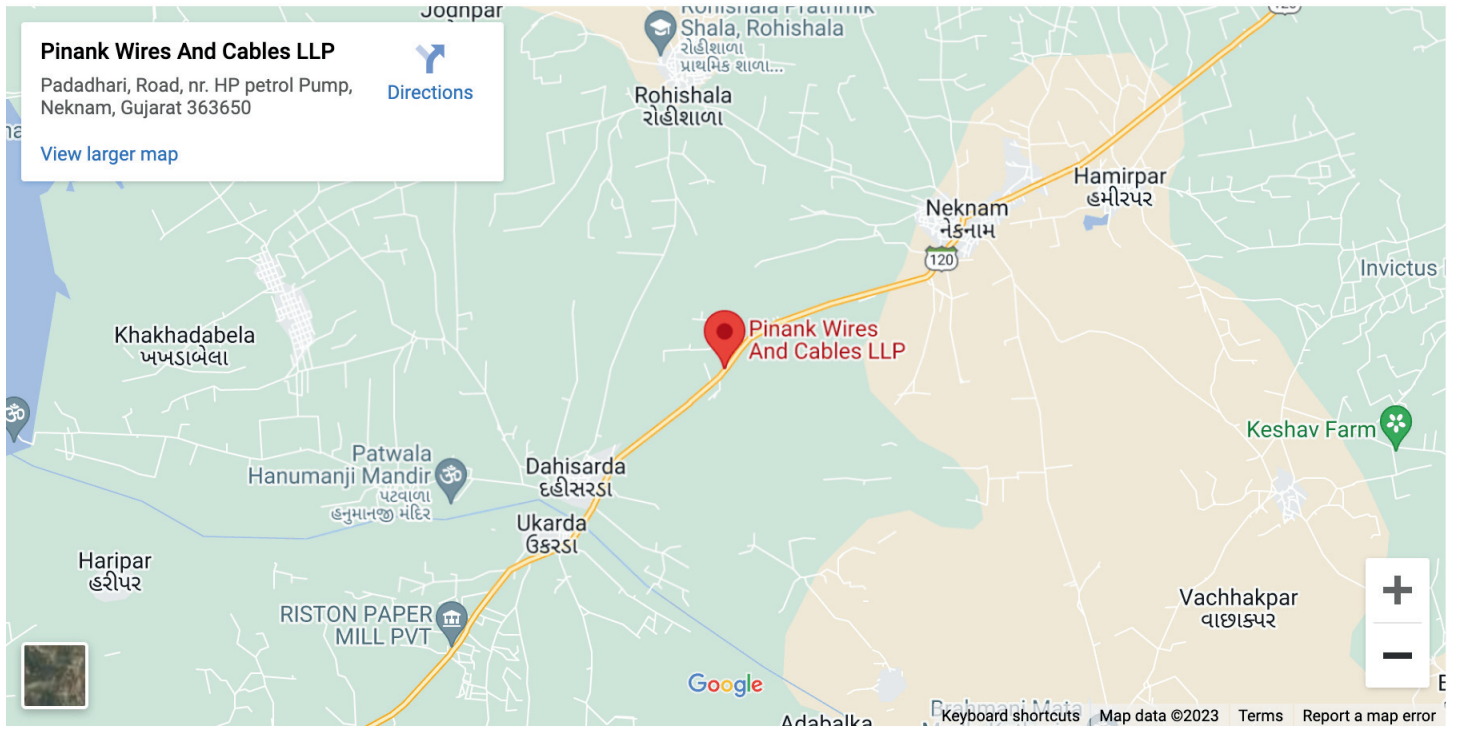
RESISTANCE TO ABRASION

BREAKDOWN VOLTAGE TESTER

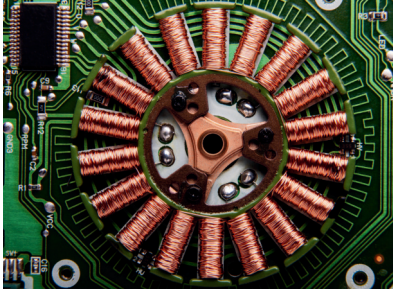
BREAK DOWN VOLTAGE

DC PIN HOLE TESTER (HIGH VOLTAGE CONNECTIVITY TEST)

CONTINUITY OF INSULATION



MAJOR APPLICATIONS



Relay Coils



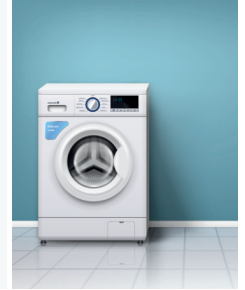
Transformers



Alternators



Motors



Home Appliances



PiNANK
WIRES AND CABLES LLP

PINANK WIRES AND CABLES LLP

Near HP Petrol Pump, Padadhari-Neknam road,
Taluka- Tankara.District- Morbi. Neknam.(Gujarat)
Bharat. Pin-363650.
www.pinankwires.com



Future-ready Winding Solutions

EXPORTS

+91 9725445086
viral.thakkar@pinankwires.com

+91 9925690998
exports@pinankwires.com

DOMESTIC

+91 9825290998
pinankwires@gmail.com