



Quality In Everything We Do

Super Enamelled & Submersible
Copper Winding Wires

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Triveni Conductors Limited

Incorporated in the year 1981, we, Triveni Conductors Limited, are counted amongst the leading manufacturers and suppliers of copper winding wires that includes super enamelled copper wire, submersible copper winding wire and super enamelled aluminium wire.

Our range is appreciated for features such as heat resistance, friction resistance, ductility, ability to withstand fluctuations and stress resistance. Our range is fabricated in accordance with industry accepted norms and meet all of the well-known Indian and international standards including IS, IEC, JS and NEMA. This provides utmost confidence to our Indian and overseas customers regarding the reliability and consistent quality of products supplied by us.

With the help of our proficient team, huge infrastructure and unmatched range of products, we have been able to deliver our bulk consignments in the stipulated time frame and win accolades of clients.

We are catering to the requirements of 15+ countries by achieving more day by day. Apart from this in India we are supplying to all leading manufacturers such as Crompton Greaves, La-Gajjar (Varuna), Shakti Pumps, Lubi, Kirloskar Brothers Ltd., V-Guard, Usha, BHEL and etc. In addition, we also have a well-knit distribution network with major distributors in Mumbai, Kolkata, Chennai, Bangalore, Delhi, Udaipur, Ahmedabad, Coimbatore, and Ghaziabad.



**An ambitious and multifaceted group with
multifarious aspirations**

Our Application



Transformers

The high quality transformers made out of enameled copper wire produced by Triveni Conductors are widely acclaimed and used for industrial as well as commercial purposes without any risk of fire or any other damages whatsoever.



Motors

Motors of varied type have become an essential part of daily life and are being used in different sectors like, domestic and industrial. These motors are made by using reliable enameled copper wire as well as submersible copper wire produced and supplied by Triveni Conductors Limited.



Appliances

The general purpose appliances used in various sectors like hotels, corporate companies, malls, restaurants etc are being made out of enameled copper wire produced and widely supplied by Triveni Conductors.



Automotive

Automotive industry has become a part of regular lifestyle and is always coming up with newer range of automotive. This sector has largely been contributed by Triveni Conductors which supplies Enameled copper wire to this industry.



Lighting

Triveni conductors have taken on them the task of providing power (light) to each and everyone, be it general public at large or various industrial units, by supplying quality enameled copper wire produced and supplied by them in different range



Switch

Triveni Conductors have been instrumental in making different types of quality Switch Gears made out of enameled copper wire produced and supplied by them.

Our History

Triveni Conductors Limited is a well-known company established for manufacturing copper wire in various range(grades) and commenced its operations wayback in the year 1981 at Dewas in the state of Madhya Pradesh with a capacity of 500 Mts per annum. It made a modest and humble beginning with the aim to build a sound and strong relationship with esteemed and valued customers through commitment to excellence in terms of quality and service.

The Company spent its formative years offering quality product to the discerning customers. With their technology and pragmatic approach, Triveni has been on an aggressive path and achieved phenomenal growth by becoming leading source of supply in various industries.

In order to broaden the scope of its activities, the Company embarked into commencing another unit at Pithampur in the state of Madhya Pradesh in the year 1991 with a capacity to produce 500 Mts of super enameled copper wire. During this decade, the company made giant strides and established itself in the field of copper wire.

While both the units were doing well, with a long-term perspective and vision, Triveni decided to merge Dewas unit with Pithampur unit for proximity of operations and thus enhancing the total capacity to 1000 MTs in the year 1997 at Pithampur plant. This move might have looked to be too ambitious but the competent team of Triveni was confident to achieve the results as it watched the market trend from close vicinity and its efforts paid rich dividends in further growth and the

total capacity was raised to 1500 MTs per annum within a short span of time.

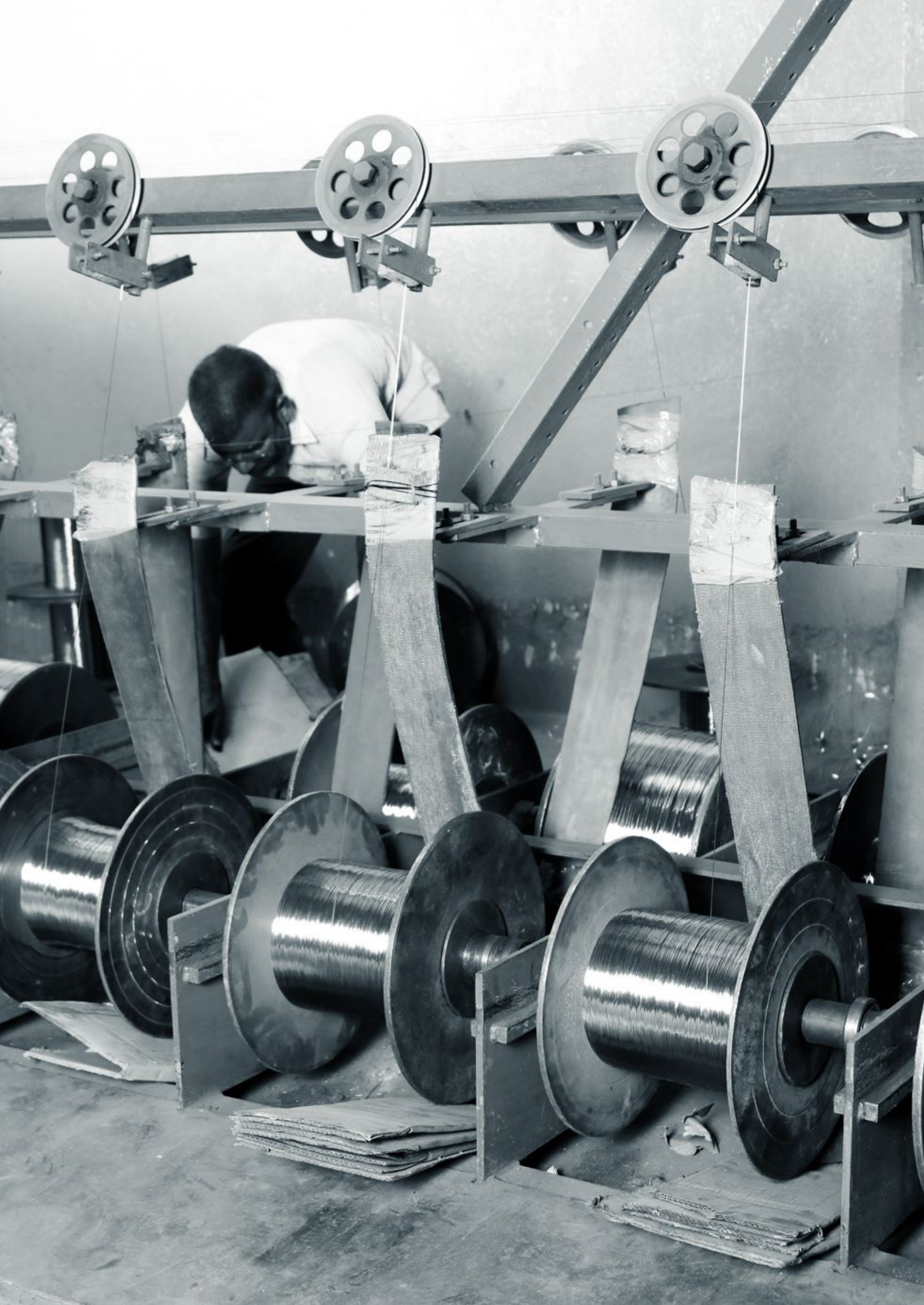
Not contented with such an achievement, in the year 2002, the Company with its stringent quality policy and emphasis on innovation and development diversified in its product range and added submersible copper winding wire which was being used in submersible pumps, with the manufacturing capacity of 24000Kms/190MTs per annum.

The continued development prompted the Company to go in for another expansion in the year 2008 by improving the capacity of super enameled copper wire and raising it to 2000MTs per annum and also raising the capacity of submersible copper winding wire to 42000Kms/330MTs per annum.

The Company in the year 2009 had further plunged into another expansion raised its production capacity to 2500MTs per annum in enamelled copper wire as well as in submersible wire to 82000Kms/ 640MTs and all along with this expansion the range of production enhanced in enamelled wire from 8 SWG (4.064 mm) to 38 SWG (0.152 mm) and in submersible 0.40 mm to 3.30 mm.

Last but not the least, by combining the technical expertise with deep understanding of customer need, Triveni has achieved from time to time exceptional growth in terms of sales and production.





Our Products

Triveni Conductors aim to manufacture the excellent protective quality wires with extreme dedicated manpower that work hard to provide you the best quality resources consistently ensuring our client's requirements.



Enamelled Copper Wire



Submersible Copper Winding Wire



Enamelled Aluminium Wire



Copper Bare Wire



Aluminium Bare Wire

Submersible Copper Winding Wire

Triveni Poly Wrapped Winding Wire of Continuous Cast Copper Rods with bright annealed round solid bare copper conductor for Submersible Pump Motors have excellent Electrical, Mechanical, Thermal & Chemical properties. These wires are insulated with High Quality Polyester & Bi-axially Oriented Polypropylene Films. The wire Conductors is covered uniformly by these films in our advanced technology based plant. We undertake reference of IS-8783(Part 4/Sec.3) to carve this wire.

Nominal Conductor Diameter (mm)	Tolerance + -(mm)	Nominal resistance ohms/km at 200c	Over all diameter	Weight Of poly Wrapped (kg/km)	Elongation minimum (%)
0.40	0.004	137.15	0.80	1.467	24
0.50	0.005	87.78	0.90	2.154	25
0.60	0.006	60.96	1.00	2.980	26
0.70	0.007	44.78	1.10	3.946	28
0.80	0.008	34.29	1.20	5.052	28
0.90	0.009	27.09	1.30	6.298	29
1.00	0.010	21.94	1.40	7.683	30
1.10	0.011	18.14	1.50	9.208	31
1.20	0.012	15.24	1.60	10.873	32
1.30	0.013	12.98	1.70	12.678	32
1.40	0.014	11.20	1.90	14.981	32
1.50	0.015	9.75	2.00	16.989	32
1.60	0.016	8.57	2.10	19.227	32
1.70	0.017	7.59	2.20	21.605	32
1.80	0.018	6.77	2.30	24.122	32
1.90	0.019	6.08	2.40	26.780	32
2.00	0.020	5.49	2.50	29.576	32
2.10	0.021	4.98	2.60	32.513	33
2.20	0.022	4.53	2.70	35.589	33
2.30	0.023	4.15	2.80	38.805	33
2.40	0.024	3.81	2.90	42.161	33
2.50	0.025	3.51	3.00	45.656	33
2.60	0.026	3.25	3.10	49.291	34
2.70	0.027	3.01	3.20	53.066	34
2.80	0.028	2.80	3.30	56.980	34
2.90	0.029	2.61	3.40	61.035	34
3.00	0.030	2.44	3.50	65.228	34

*These are only indicative values. Improvement is an ongoing process at Triveni Conductors and efforts exceed average values.



Enamelled Aluminium Wire

Insulation Class

Product Range	Thermal Class	Specification
Polyester	130°C	IS-13730-Part-9
Polyesterimide	180° C	IS-13730-Part-15
Dual Coated	200° C	IS-13730-Part-25

Specification	Size Range	
Polyesterimide overcoated with polyamide-imide enamelled Round Aluminium Wire, Class 200	IS 13730/ IEC 60317 Part 25 : 1993	6 swg to 37 swg
Polyesterimide Enamelled Round Aluminium Wire, Class 180	IS 13730/ IEC 60317 Part 15 : 1996	6 swg to 37 swg
Polyester Enamelled Round Aluminium Wire,Class 155	IS 13730/ IEC 60317	6 swg to 37 swg
Polyester Enamelled Round Aluminium Wire, Class 130	IS 13730/ IEC 60317 Part 9 : 2000	6 swg to 37 swg
Self Solderable Polyurethane Enamelled Round Aluminium Wire, Class 155	IS 13730/ IEC 60317	21 swg to 32 swg



Quality Assurance

Quality, consistency and reliability are three main objectives of Triveni and this philosophy is well reflected in its quality management.

With our commitment to excellence, we make superior quality wire because we have best human resources, who are not only skilled but obsessed with the drive to place Triveni in the forefront in the field of copper wire technology. During the processing, the quality assurance procedure involves multi-step production process right from arrival of raw material and passing the finish wire through several tests to produce quality end-product. Periodic review and audit of our processes is done thorough chemical analysis, dimensional checks and bend tests at various stages of production, It is due to our stringent quality control internal processes that our products are endorsed as the benchmark of quality by the electrical industry.

The ISO 9001 guidelines are followed thoroughly by our systems which are so designed that the control and accuracy at every step is maintained. To add to our pride, we have been awarded ISO-9001-2015 certification by TUV.

We work on the principle of technology, quality, and service, with the help of which we have been able to stand way ahead among our various contenders. Apart from this, we have implemented some International Standards procedures to maintain reliable quality and in order to achieve Total Quality Management our organization is assisted by a powerful MIS and also valued feedback of our clients.

At present production capacity is 200 M.T. per month and we have been maintaining the growth rate on year-to-year basis.

RESEARCH, DEVELOPMENT & CERTIFICATION

At Triveni, innovation and new ideas are intensified from time to time which give its work force a new impetus towards technical progress.

Triveni's technological strength and its endeavor towards continuous development has allowed it to fulfill the responsibility of providing its customers the best product with zero defect to enable them to be comfortable and secure in usage of electricity.

Our quality assurance laboratories are fully equipped to test and certify wire properties and our ongoing endeavor is to manufacture and supply high quality wire range conforming to standard specifications meeting customers' requirements.





Triveni Conductors Ltd.

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