

# ELEKTRISOLA



Direct Importers & Exclusive Dealer / Stockist

**INSULATING MATERIAL CORPORATION**

📍 H.O:9 Vithaldas Road 23, Bulakhidas Bldg. Above Vireshwar Hotel, Lohar Chawl, Mumbai - 400 002.

☎ +91 22 2209 3868 | 🌐 +91 8286219999, 9324209632, 9223377544

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- SELF SOLDERABLE ENAMELLED COPPER WIRES
- LITZ WIRE
- TRIPPLE INSULATED WIRE (TIW)
- P180 FIW (Fully Insulated Wire) for high breakdown Voltage Transformer



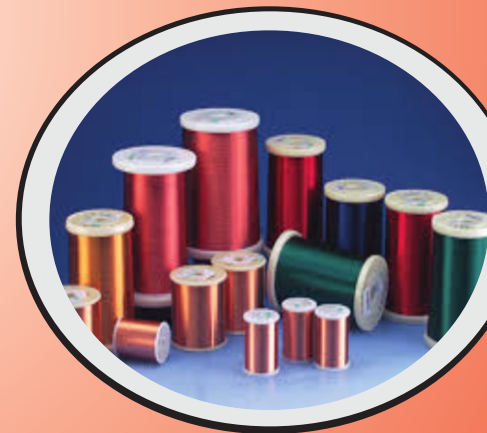
**SELF SOLDERABLE ENAMELLED COPPER WIRES**



**TRIPPLE INSULATED WIRE (TIW)**



**LITZ WIRE**



**FIW (Fully Insulated Wire)**

Direct Importers & Exclusive Dealer / Stockist of

**ELEKTRISOLA**

**LEADING PRODUCER OF FINE & ULTRA FINE ENAMELED COPPER WIRES (UL APPROVED)**

**IMC INSULATING MATERIAL CORPORATION**

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## ❖ Self Solderable Enamelled Copper Wires

**Self Solderable Wire** Range 34 Swg to 50 Swg (ELEKTRISOLA German Company Plant from Malaysia) & 23 Swg to 37 Swg (Indian Wire).

We offer **ELEKTRISOLA** brand Self Solderable Enamelled Copper Winding Wire to the clients. A wide variety of Self Solderable Enamelled Copper Winding Wire is available with us, which is widely used all across the world.

### **Demanded By :**

- Automotive
- Electrical
- Electronic
- OEM



## ❖ LITZ WIRE

We are reckoned as the prime Importer and Supplier of the **ELEKTRISOLA** brand Litz Wire, based in India. Our Litz Wire is made up of numerous strands of enamelled magnet wire, stranded together. The Litz Wire is used for wide industrial applications and thus it is highly acclaimed by the widespread clients. Our Litz Wire can be availed at the market leading prices.

### **Applications :**

- Proximity switches
- Repeating coils
- Magnetic loading
- Power supply units
- Transformers and choking coils
- Identification systems
- Ultrasonic generators
- Deflection yokes
- Inductive heating elements
- Fluorescent lamp ballast
- Hearing aids

### **Advantages :**

- Active customer support nearby
- High degree of process control
- Worldwide presence
- Flexibility and speed in the complete business process
- Complete production process out of one hand
- Individual configuration
- Topical and consumption near disposition strategies



**LITZ WIRE**



## ❖ TRIPPLE INSULATED WIRE (TIW)

We are counted among the trustworthy Importers & Suppliers of Triple Insulated Wires in the domestic market. The company has installed a physical facility for manufacturing these wires in several grades and ratings for furnishing variegated demands of the buyers. Further, our Triple Insulated Wires are obtainable in different packaging sizes. Our prices are also quite nominal.

### The Advantages of Triple Insulated Wire are :

High voltage insulation, could save insulating tape, insulating interlayer.

- Superior wear resistance for high speed automatic Transformer winding line.
- Three layers of insulation protection, there is no pinhole phenomenon.
- Self Solderable So No Striping Required.
- Size Of The Transformer Can Be Cut down To 20-30% Due To No Requirement of Interlayer Tapes



## ❖ P180 FIW (Fully Insulated Wire)

### H FIW (Fully Insulated Wires) versus TIW (Triple Insulated Wires)

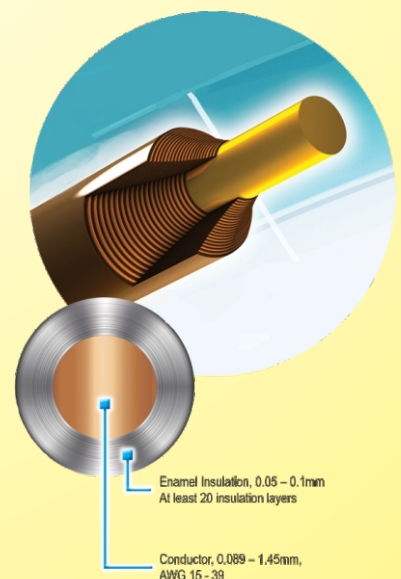
Some Triple Insulated Wire producers (extruded wires) claim that enamelled wires give poor electrical insulation performance. Actual test results show the contrary, partly also due to the many individually applied enamel layers, which give higher Break Down Voltage values.

The picture on the right shows the many different insulation layers, which were visualized using coloured layers in between. Without the colourization the layers can not be seen .The insulation material is homogenous, so the risk of partial discharge in boundary layers within the insulation should be negligible.

Initial producers of extruded wires were successful to exclude enamelled wires by introducing an unusual material specification into the Safety Standards of IEC 60 950, IEC 62 368, and UL 2353 by defining "solvent based insulation is not considered insulation", without referring to any technical values. Today this exclusionary provision is slowly being changed. The new IEC transformer standard IEC 61 558 has already been revised to allow film insulated FIW. UL standards will require even more time to change all the different material definitions introduced with Triple Insulated Wires.

### Advantages of FIW vs. extruded Wires (Tripple Insulated Wire)

- Choice of different insulation builds (with different insulation thickness), allows optimization of products like smaller transformers, and gives a cost advantage
- Excellent solderability.
- Superior windability.
- High temperature class of 180°C, thermal life time acc. UL 60 950 Annex U tested in transformers for temperature class 155°C.
- Proven insulation system of enamelled wires also with UL , used over many years.





## ❖ Company Profile

Established in the year 1994, Insulating Material Corporation is a Direct Importers & Sole India Exclusive Dealer & Stockiest for **ELEKTRISOLA** (Malaysia) Self Solderable Enamelled Wires. The firm is managed by the proficient Partners, Mr. Rakesh, Mr. Chirag and Mr. Keyur. From the last 17 years, the firm has set a bench mark for itself in the industry, by means of its consistent quality Wires and other services. these products are ROHS compliant & UL approved. Therefore, it is known as the major Importer and Supplier of Litz Wire, Triple Insulated Wire and Enamelled Copper Winding Wire.

### **Team :**

The firm is backed by the team of highly skilled and proficient professionals, which is committed towards attaining the optimum customer satisfaction. For this, the experienced team members work in perfect coordination and follow the ethical business practices.

### **Why Us?**

Following are some of the reasons that why we are considered as the most preferred firm for acquiring Wires.

Matchless Wires

Competitive prices

Timely delivery

Fast customer care services

Customer centric approach

### **Quality Assurance :**

Being one of the leading Wires Importers and Suppliers in the industry, we lay special emphasis upon the Quality of the Wires. Therefore, the team strictly procures the Wires from the certified and prominent vendors in the international markets only.

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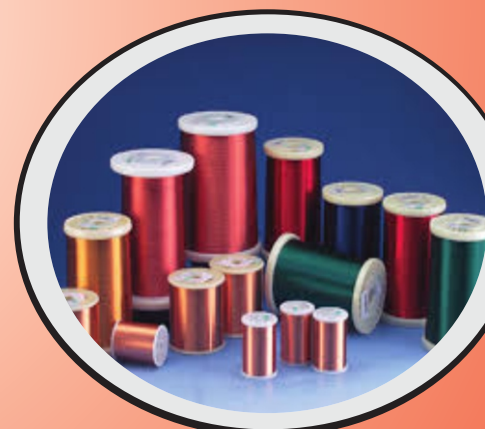
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