



# **LAUREL WIRES LIMITED**

Manufacturer of Enamelled Copper Wires  
since 1995;  
in Collaboration with

**TYPLAZ AUSTRALIA PTY LTD**





# LAUREL WIRES LIMITED

## Contact Details

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### Factory I:

D 201, MIDC Laling,  
Dhule, 424006

### Factory II:

D 62 MIDC Avdhan,  
Dhule 424006

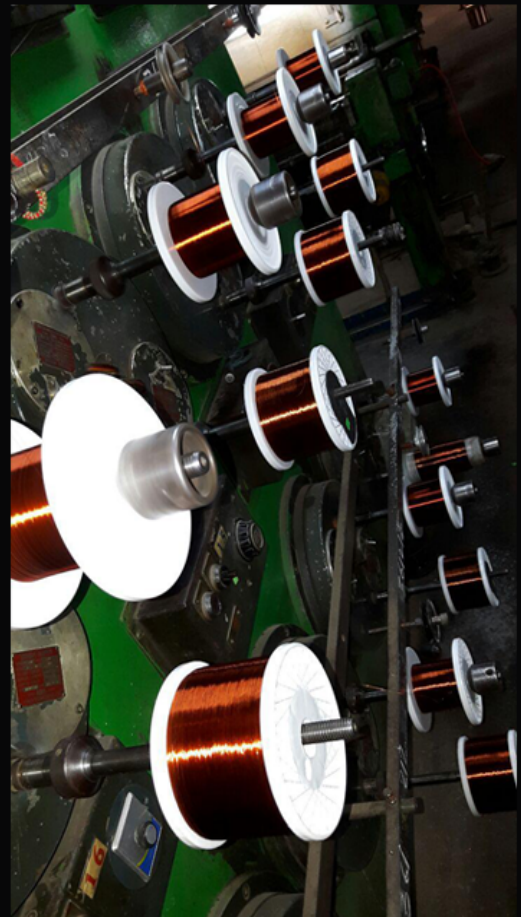
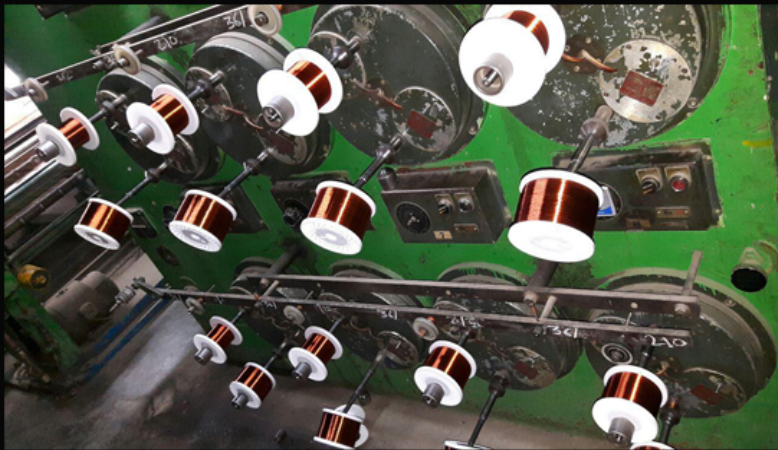




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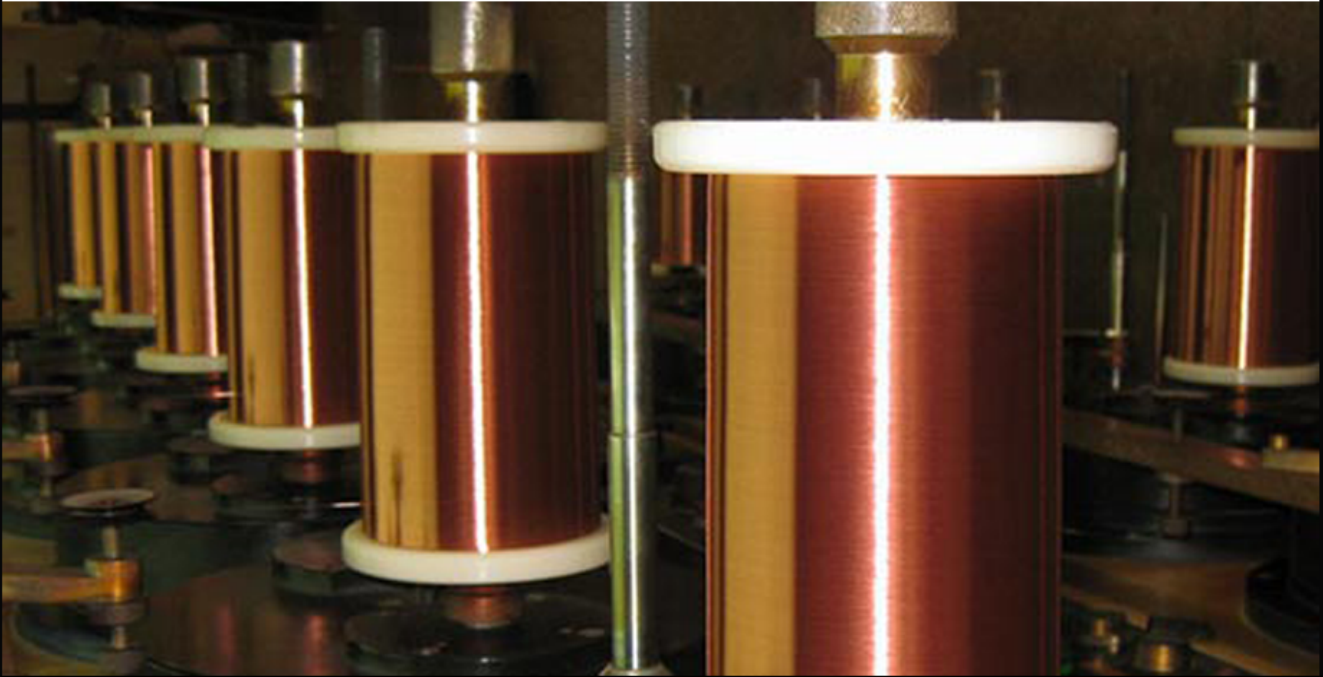
Laurel Wires Ltd was established for the purpose of manufacturing Enameled Copper Wire which are component materials used in the manufacture of electrical & electronic appliances, transformers, and others.

Our products range includes Enameled Copper wires ranging from 0.376mm/28swg to 0.071mm/45swg; we also specialise in coloured wires. It is suitable for use in every sphere of application ranging from engineering to electrical and communication systems as copper possesses excellent electrical conductivity, superior resistance to oxidation and corrosion, adequate mechanical strength and is environmentally friendly. It is adaptable to hot and cold metal working and can be shaped to any intricate component.





## DIMENSIONS OF PLASTIC BOBBINS



<b>Reel</b>	<b>Flange</b>	<b>Traverse</b>	<b>Length</b>	<b>Barrel</b>	<b>App. Wt.</b>
Type	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>
<b>PT-01</b>	100 - 95	100	120	58 - 53	1.50
<b>PT-02</b>	112 - 102	150	166	67 - 60	2.00
<b>PT-04</b>	140 - 124	170	200	86 - 74	4.00
<b>PT-10</b>	180 - 160	200	230	110 - 96	10.00
<b>PT-25</b>	230 - 215	250	280	130 - 110	25.00
<b>PT-02</b>	120	90	110	60	2.00
<b>PT-03</b>	130	90	110	60	3.00
<b>PT-05</b>	160	90	114	70	5.00
<b>PT-10</b>	200	110	134	90	10.00
<b>PT-15</b>	250	110	140	110	15.00



# LAUREL WIRES LIMITED

Enamel Base: Base Coat	Polyster (pes)	Polyurethane (pur)
Enamel Base: Top Coat		
Thermal Class	B-130°C	F-155°C
Temperature Index 20,000 hrs	150°C	165°C
Intersection Point Tan Delta	120°C	145°C
Specification	IS-13730-34 / IEC-317-34	IS-13730-20 / IEC-317-20

## Technical Data

Cut Through	240°C	240°C
Heat Shock	155°C	155°C
Unidirectional Abrasion	19 gr/um	21 gr/um
Flexibility & Adhesion	Fair	Good
Resist. To Varnishes & Solvents	Good	Very Good
Application	Small Motors, Relays, Measuring Instruments, Solenoids, Transformers, Electrical Equipments	Deflection Coils, Relays, Electronic Components, Communication Equipments, Magnet Coils, Transformers
Special Characteristics	Ideal for Re-winders & small & low temp. motors	Solderability at 375°C/2 sec High Speed Coil Winding

Enamel Base: Base Coat	Polyester-Imide (pei)	Polyester-Imide (pei)
Enamel Base: Top Coat		Polyamide-imide (pai)
Thermal Class	H-180°C	H-220°C
Temperature Index 20,000 hrs	210°C	225°C
Intersection Point Tan Delta	180°C	200°C
Specification	IS-13730-8 / IEC-317-8	IS-13730-8 / IEC-317-8

## Technical Data

Cut Through	320°C	360°C
Heat Shock	180°C	210°C
Unidirectional Abrasion	17 gr/um	22 gr/um
Flexibility & Adhesion	Good	Excellent
Resist. To Varnishes & Solvents	Very Good	Excellent
Application	High Class Equipments, Ignition Coils, Oil-filled Transformers, FHP & Hermetic Motors	High Class Equipments, Special purpose Motors, High Temperature Motors, FHP & Hermetic Motors
Special Characteristics	Ideal for Hermatic use	Very high Thermal Property