STERLING™
ENAMELLED WIRES

Quality to last for life

www.sterlingwires.co.in

Best Quality at Lowest Price

ABOUT US

STERLING manufacturing **Enamelled Winding Wires** is promoted by technocrats having experience and technical knowledge to produce quality wires at most competitive prices. Sterling was established in 2003 in a plot size of 550 sq. meters only and has now spread to a plot size of 28,000 sq. meters with a covered area of more than 2,50,000 sq. feet to become the largest manufacturer of Aluminium Winding Wires in India.

This growth has been on account of our focus on the special needs and requirements of each customer with the capability and capacity to deliver multiple sizes and quantities on time, every time.

Sterling also offers DPC strips, TPC strips, Nomex strips and Aluminium Foils.

Today quality and performance of **Sterling Enamelled Wires** have made the brand the number one choice among national and international consumers.

MISSION

To make STERLING " a partner of choice" to global customers by focusing on their special needs and requirements

VISION

To create a Company that India is proud of by becoming the best in winding wire industry

MOTTO

Innovate

Sumit Agarwal, *Founder & MD*

At sterling we strive to produce the best quality wires at lowest price

2003 Sterling Established

2005 Setup of Unit in Himachal Pradesh

2006 Expanded by putting Imported Plants

2008 Unit 2 was setup

2011 UL Certification

2012 Setup of PVC Flexible Cable Factory for Schneider LUMINOUS

2014 Unit 3 was setup

2016 Unit 4 was setup in 28000 sqm.

2018 Consolidated all units

INDIA'S LARGEST ENAMELLED ALUMINIUM WINDING WIRE MANUFACTURER

2020 Introduced aluminum wires in fans to replace copper wires

2022 First in India to make Aluminium wires finer than 0.15 mm

Journey continues...

Best Quality at Lowest Price

PRODUCT

Enamelled Aluminium Winding Wires

Enamelled Copper Winding Wires

RANGE OF SIZES

Minimum 0.1 mm to maximum 4.0 mm

CLASS OF INSULATION

Polyester	- class 130
Modified Polyester	- class 155
Polyesterimide	- class 180
Polyesterimide + amideimide/DC	- class 200
Self solderable	- class 155 - class 180

PACKING DETAILS

Taper spools- PT 10 to PT 180

Parallel spools- as per DIN standards

APPLICATIONS

Transformers » Motors » Appliances » Fans

Automotive » Electronics » Switchgears » Compressors

Why STERLING Aluminum ENAMELLED Wires?

- ⇨ Experience of more than 15 years in aluminium winding wires with the largest manufacturing set up in India.
- ⇨ Input is extra soft special grade aluminium wire rods.
- ⇨ Enamels used are made specifically for aluminium wires application unlike industry practise to use same enamel for copper and aluminium wires.
- ⇨ Our wires have almost NIL Pinholes, Higher Breakdown voltage and cut through temperatures.
- ⇨ Wires have extra softness and higher elongation resulting in easy workability.
- ⇨ Wires run at higher winding speeds upto 4200 RPM on winding machines.
- ⇨ Increased productivity, cost savings and a reliable product **quality to last for life**.
- ⇨ The large set up gives capability of delivering quantity across sizes at the same time.
- ⇨ We also do custom made sizes, specifications and packing.

DELIVERY SPOOLS

Sterling Wires are supplied on plastic Taper Barrelled as per the customers demand.

Taper Barrelled Spools (PT Series)

Dimensions (mm)								
Spool Type	d1	d3	d2	d4	d5	l2	l1	Aluminium Net Weight Max (Kg.)
PT-15	200	180	108	95	30	200	227	6
PT-20	225	210	150	132	32	248	278	10
PT-25	225	210	128	108	32	248	278	12
PT-35	252	235	128	108	15	270	300	16

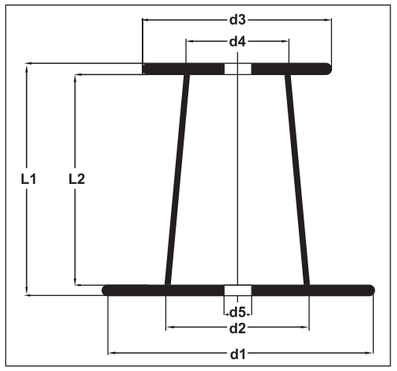


Figure 1: PT Spool

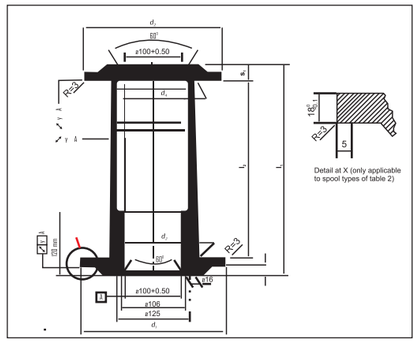


Figure 2: Taper Barrelled Spools

Taper Barrelled Spools (Returnable)

Dimensions (mm)					
Spool Type	d1	d2	l1 Max.	l2 Nom.	Aluminium Net Weight (kg.)
250/400	250	160	400	335	15
315/500	315	200	500	425	30
400/630	400	250	630	530	60

Note - Dimensions above are indicative and only for reference.

Other Spools available on request.

PACKAGING

Best Quality at Lowest Price

Inspection Facilities- all testing as per IEC JIS NEMA standards

2/8/23, 2:29 PM OBMW2.E348295 - Magnet Wire - Component | UL Product iQ

UL Product iQ®

OBMW2.E348295 - Magnet Wire - Component

Magnet Wire - Component

See General Information for Magnet Wire - Component

STERLING ENAMELLED WIRES PVT LTD E348295
B2 & B2 part, Site-B
Surajpur Industrial Area
Greater Noida, Uttar Pradesh 201306 INDIA

Material Designation	Mark Dsg	Base Coat	Top Coat	ANSI Type	Temp Class
SI-MW 35A-DC	SI-MW 35A-DC	Polyester-imide	Polyamide-imide	MW 35-A	220
SI-MW 35C-DC	SI-MW 35C-DC	Polyester-imide	Polyamide-imide	MW 35-C	200[#]
SI-MW 36A-DC	SI-MW 36A-DC	Polyester-imide	Polyamide-imide	MW 36-A	220
SI-MW 36C-DC	SI-MW 36C-DC	Polyester-imide	Polyamide-imide	MW 36-C	200[#]
SI-MW 37C-DC	SI-MW 37C-DC	Polyester-imide	Polyamide-imide	MW 37-C	220
SI-MW 38C-DC	SI-MW 38C-DC	Polyester-imide	Polyamide-imide	MW 38-C	220
SI-MW 73C-DC	SI-MW 73C-DC	Polyester-imide	Polyamide-imide	MW 73-C	200[#]
SI-MW73A-DC	SI-MW73A-DC	Polyester-imide	Polyamide-imide	MW 73-A	220

[#] - The magnet wire may perform better than the rating reflects and may not be suitable for insulation system, varnish or end-product testing. Further consideration is necessary prior to its use in testing.

Lear System - An online Testing Facility

Lear system- manufactured by Lear Corporation, USA
The on-line instrument to detect surface roughness and pin holes is installed on enamelling lines to ensure a flawless product.

E348295

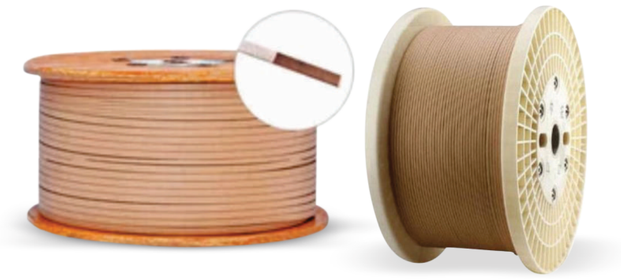
In-house Testing lab includes most state-of-the-art equipment to ensure that we deliver the best

Diameter Testing-bare/overall Diameter Elongation Tester Springiness Tester Jerk Testing Flexibility-mandrel Winding Resistance Meter Pin Hole Tester I Peel Tester I Abrasion Tester I 15,000 Volts High Voltage Tester I High Voltage D.C. Pin Hole Tester From 350 Volts To 3000 Volts Cut Through Tester I Heat Shock Oven I Tan Delta Instrument I Solvent Resistance Test I Freon Bomb Test I Online lear system for surface roughness and inholes. roughness and pinholes.

DPC AND TPC STRIPS

DPC and TPC Aluminium strips are manufactured using the latest **High precision**, highly accurate **state of art confirm** machines using EC grade Aluminium **and imported paper** to not tear.

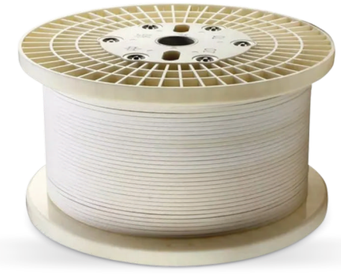
These strips can be customised as per the diverse requirements of our customers to give them **accurate sizes**, **excellent finish** and **softness to not crack on bending.**



NOMEX PAPER STRIPS

Nomex insulated strips have electrical and mechanical properties of polyester sheets that are ideally complemented by **high temperature resistance of the Aramid paper**.

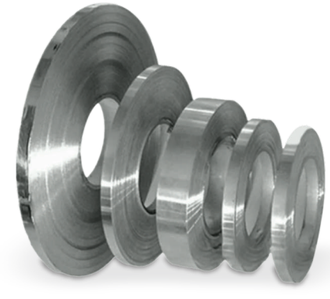
Two sided covering of the Polyester film with Aramid paper, protects these laminates against influences of hydrolysis, making these laminates an important insulation component in manufacturing insulating class F electrical equipments like transformers, bigger motor/ alternators etc.



ALUMINIUM FOILS

The low voltage conductors are being replaced by **aluminium foils** for increased **efficiency, reliability and miniaturization**.

Sterling offers foils in thickness **more than 0.6mm and width less than 25mm**.



STERLING™
ENAMELLED WIRES

Best Quality at Lowest Price

Few of our Esteemed Clients

LG

Smart solutions. Strong relationships.

Godrej

HAVELLS

orient electric

ABB

LUMINOUS

BAJAJ

Livguard energy unlimited

HITACHI

Elin Electronics Ltd.

KRYFS TRANSFORMERS PVT. LTD.

Crompton

Tecumseh

Lucas-TVS Ltd

RR KĀBEL

TIBCO powering dreams

CENTURY®

SUMMERCOOL An ISO 9001 : 2008 Certified Organization

PICL

RegalRexnord

Globe Capacitors Limited

STERLING ENAMELLED WIRES (P) LTD.

B-2, Site-B, Surajpur Industrial Area, Greater Noida 201306
Mob: +91 78400 85353, 8882985819
marketing@sterlingwires.co.in, sales@sterlingwires.co.in
www.sterlingwires.co.in