

RESEARCH AND EXCELLENCE FOR TOP-QUALITY ENAMELLED PRODUCTS

DE ANGELI
PRODOTTI
every wire, everywhere.

OUR VISION LEADS US

De Angeli Prodotti is at the forefront of a **GREEN REVOLUTION** to save the Planet.

ENERGY TRANSITION helps **DECARBONIZATION**, requested **WORLDWIDE** to mitigate **CLIMATE CHANGE**, involves substantial investments in **RENEWABLE ENERGY**, and poses the challenge of **ELECTRIC MOBILITY**. **CONNECTION** of **MULTIPLE INTERMITTENT ENERGY SOURCES** requires a **MORE INTEGRATED, SECURE** and **FLEXIBLE POWER GRID**.

DIGITALIZATION is an enabling and pervasive technology. All above while in **DEVELOPING COUNTRIES**, a **GROWING SHARE OF POPULATION** has access to **ELECTRICITY**!



UNCOMPROMISING QUALITY

At De Angeli Prodotti, **quality is at the heart of everything** we do. With state-of-the-art production facilities and a **fully equipped in-house laboratory**, we perform all the necessary tests to meet the highest industry standards, including those for the automotive sector. Our commitment ensures reliable solutions ready to tackle today's and tomorrow's technological challenges.

Driven by **innovation**, we turn quality into a competitive advantage, ensuring **performance** and **reliability**.



OUR SPECIALTIES

With over 40 years of experience, we have continuously advanced research, technology, and quality to deliver cutting-edge solutions for many applications and processes, ensuring high performance, reliability, and sustainability.

- **Wide range:** from 0.18 to 5 mm for copper and from 0.4 to 6 mm for aluminium
- **Aluminium pioneer:** 1st in Europe to produce aluminium round enameled wire
- **Sustainability:** Ecovadis portal and EPD certificate available
- **High temperature:** up to 220 as thermal class
- **Corona resistant:** high frequency behavior enamel available
- **Service:** long term experience with high service requirements
- **UL certification:** OBMW2.E132925 available
- **Bondvest + CR200 enamel:** usable in the motor and submersible pump sector
- **High-Lubrication Conductors:** for high-performance systems up to 3000 RPM



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ROUND AND FLAT ENAMELLED WIRES

ENAMELLED
ROUND AND FLAT
ALUMINIUM WIRES

ENAMELLED
ROUND AND FLAT
COPPER WIRES

A COMPLETE RANGE
OF SPOOLS AND
PACKAGING

ROUND

Material	Product Name	Index	Thermal class	Production Range	Reference standard	ANSI Type
ALUMINIUM	Adhexal	H Polyesterimide	180°C	0.40 - 6.00mm	IEC60317-15	NEMA MW 74A
		200 Polyester or polyesterimide overcoated with polyamide-imide	200°C		IEC60317-25	NEMA MW 35A
		220 Polyamide-imide	220°C		IEC60317-69	NEMA MW 35A

FLAT

Material	Product Name	Index	Thermal class	Production Range	Reference standard	ANSI Type
ALUMINIUM	Adhexal	H Polyesterimide	180°C	Section 5.60 – 80.00mm ²	IEC60317-73	NEMA MW 36A
		200 Polyester or polyesterimide overcoated with polyamide-imide	200°C	Thickness 1.40 - 4.50mm	IEC60317-74	NEMA MW 36A
		220 Polyamide-imide	220°C	Width 4,00 – 25,00mm	IEC60317-69	NEMA MW 36A

ROUND

Material	Product Name	Index	Thermal class	Production Range	Reference standard	ANSI Type
COPPER	Thervest	H Polyesterimide	180°C	0.18 - 5.00mm	IEC60317-8	NEMA MW 72C NEMA MW 30C
		200 Polyester or polyesterimide overcoated with polyamide-imide	200°C		IEC60317-13	NEMA MW 35C NEMA MW 73C
		220 Polyamide-imide	220°C		IEC60317-57	NEMA MW 36C
	Solvest	200 CR Polyesterimide overcoated with Corona Resistant polyamide-imide	200°C	0.18 - 1.25mm	IEC60317-13	NEMA MW 35C
		F Solderable polyurethane	155°C	0.18 - 1.25mm	IEC60317-20	NEMA MW 79C
		HS Solderable polyurethane	180°C		IEC60317-51	NEMA MW 82C
	Bondvest	H Polyesterimide with a bonding layer	180°C	0.30 - 2.00mm	IEC60317-37	NEMA MW 35C
		200 Polyesterimide overcoated with polyamide-imide with a bonding layer	200°C		IEC60317-38	NEMA MW 35C

FLAT

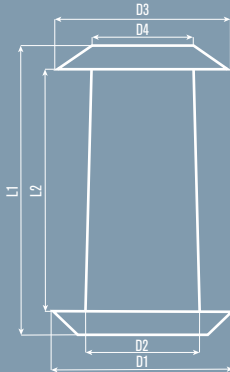
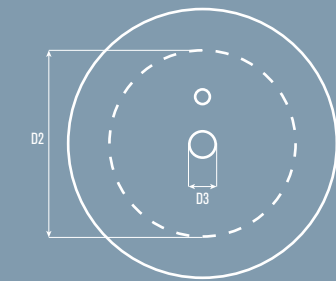
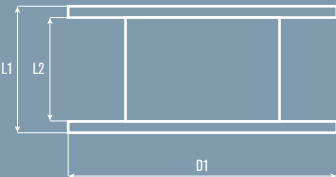
Material	Product Name	Index	Thermal class	Production Range	Reference standard	ANSI Type
COPPER	Thervest	H Polyesterimide	180°C	Section 5.00 – 80.00mm ²	IEC60317-28	NEMA MW 36C
		200 Polyester or polyesterimide overcoated with polyamide-imide	200°C		IEC60317-29	NEMA MW 36C
		220 Polyamide-imide	220°C	Thickness 1.20 - 5.00mm	IEC60317-58	NEMA MW 48C
		200 CR Polyesterimide overcoated with Corona Resistant polyamide-imide	200°C	Width 3.00 – 25.00mm	IEC60317-29	NEMA MW 36C

WOODEN AND PLASTIC DRUMS

Type	D1	D2	D3	L1	L2	Approx. Cu Cap (Kg)	Tare (Kg)	Code
DIN 200	200	125	22	200	160	10	1	91113
DIN 250	250	160	22	200	160	20	1	91114
DIN 355	355	224	36	200	160	35	2	91115
DIN 500	500	315	36	250	180	70	8	91352
DIN 710	710	500	51	250	180	160	18	91110
VM 630	630	315	40	230	180	160	11	91468
VM 710 (B 127)	710	500	127	250	180	150	18	91111
VM 750	750	400	42	270	200	250	19	91456
VM 750 (B 82)	750	400	82	270	200	250	19	91539
VM 800	800	450	41	270	200	300	21	91436
VM 1000	1000	630	45	400	330	500	42	91442
VM 1000 H3	1000	630	91	310	240	500	40	91551

CONICAL COILS

Type	D1	D2	D3	D4	L1	L2	Tare (Kg)	Capacity (Kg)	
								Cu	Al
250/4	250	160	236	140	400	335	2.25	45.0	13.5
315/500	315	200	300	180	500	425	4.35	90.0	27.5
400/630	400	250	375	224	630	530	7.30	190.0	57.5
500/800	500	315	475	280	800	670	21.0	400.0	121.5



ALUMINIUM PIONEER: 1ST IN EUROPE
TO PRODUCE ALUMINIUM ROUND ENAMELLED WIRE

Enameled aluminium is ideal for applications requiring **lightweight, cost-effectiveness**, and **good conductivity**. It enables efficient, lightweight windings in **distribution transformers**, simplifies handling in **reactors and inductors**, and reduces energy losses in **medium and low-voltage applications**. Its oxidation resistance ensures durability, making it a strong alternative to copper in specific use cases.

40 YEARS OF EXPERIENCE IN COPPER ENAMELLING

Enameled copper offers **high conductivity and mechanical strength**, making it ideal for **electric motors, pumps, actuators, relays**, and **solenoids**. It ensures performance, reliability, and energy efficiency, with **superior thermal resistance for high temperatures and continuous operation**. Its precision and responsiveness make it essential for demanding electrical and mechanical applications.



De Angeli Prodotti provides a **complete range of packaging** solutions that meet market standards including **plastic** conical spools and **wooden** reels. These solutions are designed for all types of enameled products, both wire and strip, ensuring **safety and efficiency**.