



Everyday life all around wire

WIRE





Over 30 years of continuous innovation: a success story since 1994

Tecnofil, a leader in the wire drawing industry in Europe, has developed and consolidated its core business in the production of metal wire through the processes of drawing and galvanizing.

The company produces **low, medium, and high carbon content** wires, as well as wire bands in various types, intended for numerous sectors of industrial production.

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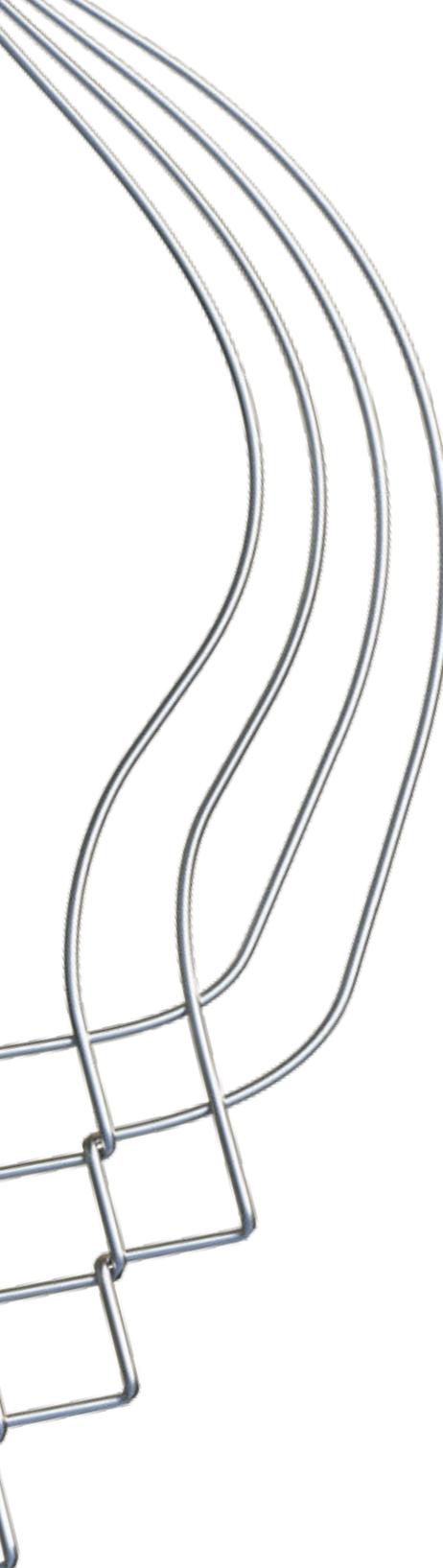
Quality

A guarantee for every application

Starting from **wire rod strictly sourced from Alfa Acciai** and using its own process technologies, Tecnofil ensures stable and consistent quality across all production and every single supply batch. Quality guarantees are confirmed by equipment capable of verifying chemical, mechanical, and dimensional characteristics throughout the entire production process.

The traceability of the raw material, produced internally by the Group, is a key feature of Tecnofil, which translates for the customer into a product with consistent quality, leading to time savings and reduced machine setup.





Commitment to the environment and Zero Waste philosophy

A fundamental pillar of the Alfa Acciai Group's strategy is the systematic application of the **circular economy** principle, aiming to reuse, enhance, or recover every material from the various stages of production, safeguarding precious natural resources.



The minimum recycled material content in Alfa Acciai wire rod, the raw material used by Tecnofil, is 99%. This figure is among the highest in Europe and significantly exceeds the Minimum Environmental Criteria for structural uses (CAM-EDILIZIA).

The Alfa Acciai Group has obtained the **CFO-Carbon Footprint Organization certification ISO 14064-1** for all its production facilities.



Tecnofil has obtained the **CFP-Carbon Footprint Product certification** for certain specific types of wire, demonstrating its commitment to measuring and transparently communicating the environmental impact of its products and services.

System Certifications

The **quality, environmental, and safety** management systems, certified according to international standards and developed over the years as an integrated management tool, enable Tecnofil to strengthen effective communication with all types of companies operating in various markets.



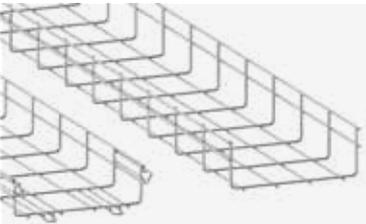
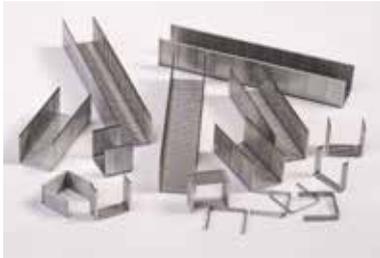
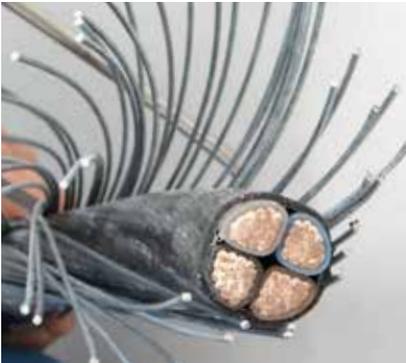
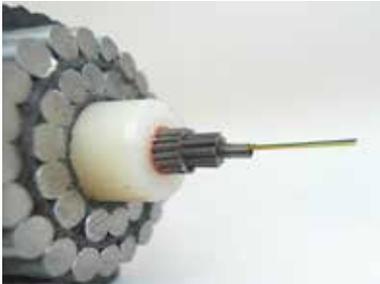


Consulting

A laboratory of ideas and solutions

To bring ideas to life and develop innovative solutions together with the customer, the R&D team works on feasibility projects that leverage the synergy between Tecnofil's specialized expertise and Alfa Acciai's materials knowledge.

The company partners with countless clients and, thanks to its technological know-how, provides a valuable pre and post-sales consulting and technical support service.



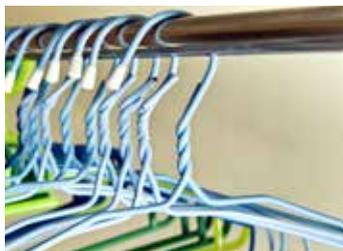
Versatility

Custom-made products

Tecnofil produces exclusively on sales orders and not for stock. The company guarantees not only a high-quality product but also a service tailored to the customer's needs, offering bespoke solutions for:

- > Material characteristics (dimensional, mechanical, and chemical);
- > Surface treatments;
- > Tailored supply solutions;
- > Packaging and packing.

This customer focus enables Tecnofil to proactively respond to a wide range of needs across various application fields. A true added value, thanks to a qualified team always ready to provide targeted solutions with expertise and professionalism.





Reliability

A brand that fulfills a promise

Tecnofil is an integral part of the Alfa Acciai Group, and its name means "Technology applied to wire." An ideal synergy that starts with the supply of wire rod, benefiting from the strength, efficiency, and know-how of one of the most important electro-steel companies in Europe.

Key differentiation factors



High production capacity — among the European leaders in the sector



Superior product quality



Ongoing training and internal staff development



Innovating processes through proven know-how



Flexibility in supplied quantities



100% customized products and packaging



Customer warehouse for just-in-time responses



Pre- and post-sales technical assistance



Carbon Footprint certification for products



Quick and timely supply

Many advantages, integrated with one goal:

FASTER, EASIER, AND MORE PRECISE PURCHASES.



Tecnofil in numbers

84,000m²

OF TOTAL AREA

30,000m²

OF DEDICATED PRODUCTION
AND WAREHOUSE AREA

500

CLIENTS

60

APPLICATIONS

100,000tons

OF ANNUAL PRODUCTION
CAPACITY OF DRAWN WIRE

72,000tons

OF GALVANIZED PRODUCT

20

DRAWING MACHINES

2

IMMERSION GALVANIZING
PLANTS

And dozens of other plants for wire reprocessing after drawing
and/or galvanizing.





Tecnofil: a great

The wire drawing facility with the





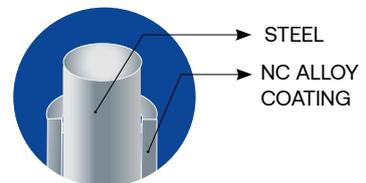
production capacity

largest galvanizing plant in Europe





GALVANIZED WIRE



Main features

- The production of galvanized wire is done through hot-dip galvanizing in molten zinc.
- Tecnofil has two production lines equipped with automated control systems capable of producing specific coating weights, even ON customer request.
- The high performance of our plants and the presence of a quality control center in the department ensure a product of maximum reliability, with a shiny finish, controlled coating weight, and a perfect iron-zinc alloy.

Main uses

Welded wire mesh, woven wire mesh, rockfall mesh cages, electrical cable reinforcement, bent metal parts, bucket handles, coat hangers, agricultural applications, baskets and mesh for household appliances, parts for shelving, mobile fences, metal points, corrugated mesh, ceiling hangers, barbed wire, and many more.

Diameter range: 1.60 - 8.00 mm.

Types of packaging: F85/F95 pattern laid coil, A42/A60/A63/Z2 spooled coil (see page 27).

Classes of coating: UNI EN 10244-2.

ON CUSTOMER REQUEST, WE CAN OFFER MAXIMUM CUSTOMIZATION OF PACKAGING AND PRODUCT SPECIFICATIONS, AS WELL AS PROVIDE EVIDENCE OF EN 10204 3.1 CERTIFICATION



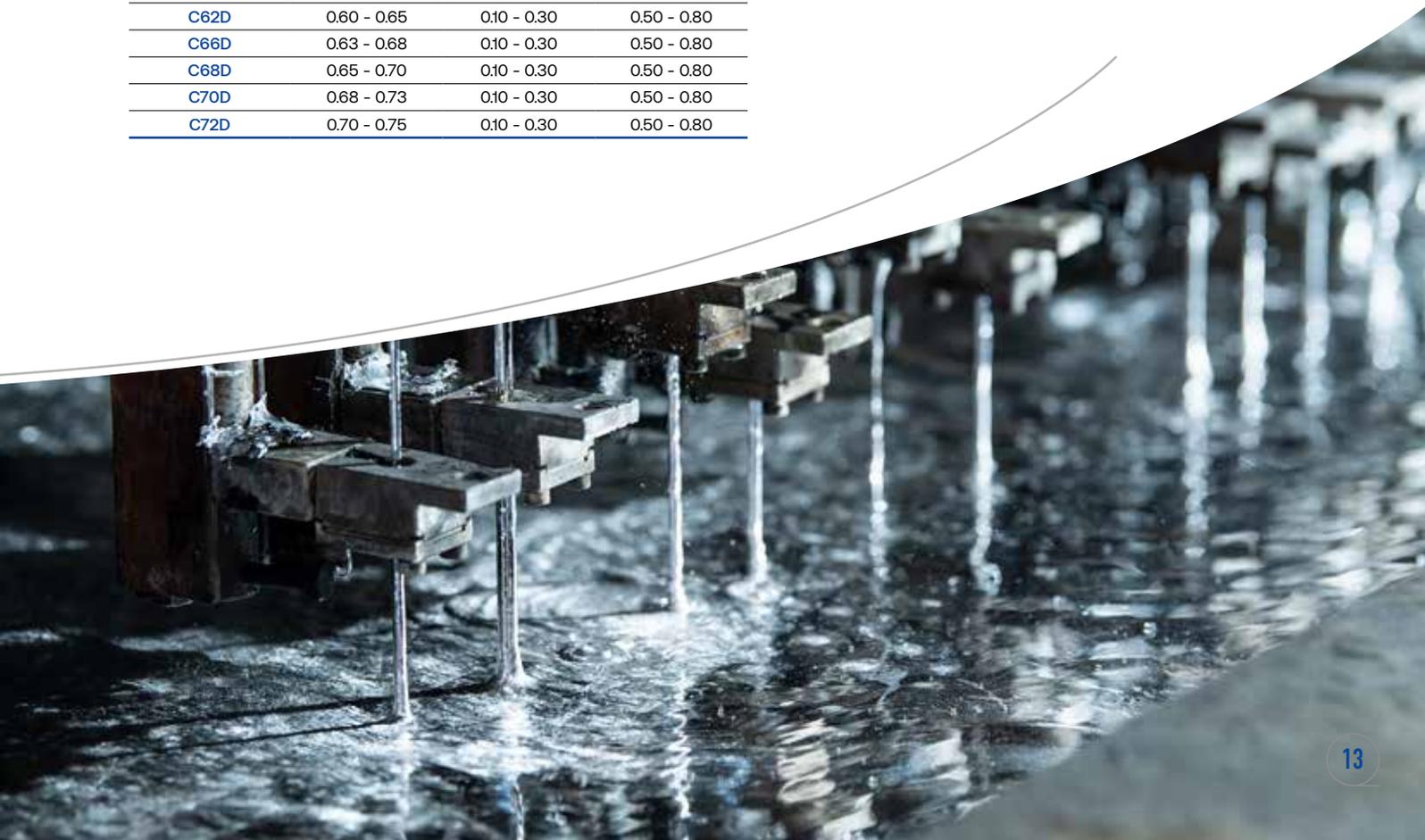
CLASSES OF COATING: UNI EN 10244-2

Dimensions	Classes					
	A	AB	B	C	D	Ax3
Ø(mm)	g/m ² (b)					
1.65 - 1.85	205	145	100	75	30	615
1.85 - 2.15	215	155	115	80	40	645
2.15 - 2.50	230	170	125	85	45	690
2.50 - 2.80	245	185	125	95	45	735
2.80 - 3.20	255	195	135	100	50	765
3.20 - 3.80	265	210	135	105	60	795
3.80 - 4.40	275	220	135	110	60	825
4.40 - 5.20	280	220	150	110	70	840
5.20 - 8.20	290			110	80	870



CHEMICAL COMPOSITION – UNI EN 16120-2

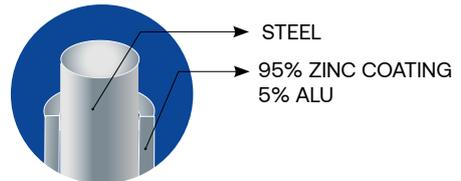
Steel grade	C(c) %	Si(d) %	Mn(e) %
C4D	≤ 0.06	≤ 0.30	0.30 - 0.60
C7D	0.05 - 0.09	≤ 0.30	0.30 - 0.60
C9D	≤ 0.10	≤ 0.30	0.30 - 0.60
C10D	0.08 - 0.13	≤ 0.30	0.30 - 0.60
C12D	0.10 - 0.15	≤ 0.30	0.30 - 0.60
C15D	0.12 - 0.17	≤ 0.30	0.30 - 0.60
C18D	0.15 - 0.20	≤ 0.30	0.30 - 0.60
C20D	0.18 - 0.23	≤ 0.30	0.30 - 0.60
C26D	0.24 - 0.29	0.10 - 0.30	0.50 - 0.80
C32D	0.30 - 0.35	0.10 - 0.30	0.50 - 0.80
C38D	0.35 - 0.40	0.10 - 0.30	0.50 - 0.80
C42D	0.40 - 0.45	0.10 - 0.30	0.50 - 0.80
C50D	0.48 - 0.53	0.10 - 0.30	0.50 - 0.80
C52D	0.50 - 0.55	0.10 - 0.30	0.50 - 0.80
C56D	0.53 - 0.58	0.10 - 0.30	0.50 - 0.80
C60D	0.58 - 0.63	0.10 - 0.30	0.50 - 0.80
C62D	0.60 - 0.65	0.10 - 0.30	0.50 - 0.80
C66D	0.63 - 0.68	0.10 - 0.30	0.50 - 0.80
C68D	0.65 - 0.70	0.10 - 0.30	0.50 - 0.80
C70D	0.68 - 0.73	0.10 - 0.30	0.50 - 0.80
C72D	0.70 - 0.75	0.10 - 0.30	0.50 - 0.80





ZINC-ALU WIRE

ZN 95% - AL 5%



Main features

- Zinc-Alu wire is produced by hot-dipping process in a bath of 99.995% pure zinc, followed by a zinc and aluminium bath (Zn 95% - Al 5%).
- The use of latest-generation equipment ensures perfect adhesion of the coating and optimal resistance to oxidation.
- For selected markets, Tecnofil has developed the extra coating with a minimum of 350g/m².
- Tecnofil Zinc-Alu wire is certified for corrosion resistance in salt spray tests up to 3000 hours.

Main uses

Agriculture, gabions, rockfall netting, welded wire mesh, grids, pastoral nets, cable conduits, bent metal parts, and many others.

Diameter range: 1.80 - 8.00 mm.

Types of packaging: F85/F95 pattern laid coil, A42/A60/A63/Z2 spooled coil (see page 27).

Classes of coating: UNI EN 10244-2, extra coating min. 350g/m².

ON CUSTOMER REQUEST, WE CAN OFFER MAXIMUM CUSTOMIZATION OF PACKAGING AND PRODUCT SPECIFICATIONS, AS WELL AS PROVIDE EVIDENCE OF EN 10204 3.1 CERTIFICATION

CLASSES OF COATING: UNI EN 10244-2

Dimensions Ø(mm)	Classes		
	A g/m ²	AB g/m ²	B g/m ²
1.85 - 2.15	215	155	115
2.15 - 2.50	230	170	125
2.50 - 2.80	245	185	125
2.80 - 3.20	255	195	135
3.20 - 3.80	265	210	135
3.80 - 4.40	275	220	135
4.40 - 5.20	280	220	150
5.20 - 8.20	290		



CHEMICAL COMPOSITION - UNI EN 16120-2

Steel grade	C(c) %	Si(d) %	Mn(e) %
C4D	≤ 0.06	≤ 0.30	0.30 - 0.60
C7D	0.05 - 0.09	≤ 0.30	0.30 - 0.60
C9D	≤ 0.10	≤ 0.30	0.30 - 0.60
C10D	0.08 - 0.13	≤ 0.30	0.30 - 0.60
C12D	0.10 - 0.15	≤ 0.30	0.30 - 0.60
C15D	0.12 - 0.17	≤ 0.30	0.30 - 0.60
C18D	0.15 - 0.20	≤ 0.30	0.30 - 0.60
C20D	0.18 - 0.23	≤ 0.30	0.30 - 0.60
C26D	0.24 - 0.29	0.10 - 0.30	0.50 - 0.80
C32D	0.30 - 0.35	0.10 - 0.30	0.50 - 0.80
C38D	0.35 - 0.40	0.10 - 0.30	0.50 - 0.80
C42D	0.40 - 0.45	0.10 - 0.30	0.50 - 0.80
C50D	0.48 - 0.53	0.10 - 0.30	0.50 - 0.80
C52D	0.50 - 0.55	0.10 - 0.30	0.50 - 0.80
C56D	0.53 - 0.58	0.10 - 0.30	0.50 - 0.80
C60D	0.58 - 0.63	0.10 - 0.30	0.50 - 0.80
C62D	0.60 - 0.65	0.10 - 0.30	0.50 - 0.80
C66D	0.63 - 0.68	0.10 - 0.30	0.50 - 0.80
C68D	0.65 - 0.70	0.10 - 0.30	0.50 - 0.80
C70D	0.68 - 0.73	0.10 - 0.30	0.50 - 0.80
C72D	0.70 - 0.75	0.10 - 0.30	0.50 - 0.80



BRIGHT WIRE

Main features

- The bright wire is drawn using latest-generation straight-line dry drawing machines equipped with rotary dies and in-line quality control as guarantee of diameter tolerance and impeccable surface finish.

Main uses

Welded wire mesh, cable conduits, roll-containers, trolleys, nails, metal parts, hooks, clothes dryers, dishwasher baskets, grids, corrugated mesh, bent parts, and many others.

Diameter range: 1.55 - 12.00 mm.

Types of packaging: F80/F90 pattern laid coil, A42/A60/A63 spooled coil (see page 27).

Type of finish: clear bright, soap-coated.

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CHEMICAL COMPOSITION – UNI EN 16120-2

Steel grade	C(c) %	Si(d) %	Mn(e) %
C4D	≤ 0.06	≤ 0.30	0.30 - 0.60
C7D	0.05 - 0.09	≤ 0.30	0.30 - 0.60
C9D	≤ 0.10	≤ 0.30	0.30 - 0.60
C10D	0.08 - 0.13	≤ 0.30	0.30 - 0.60
C12D	0.10 - 0.15	≤ 0.30	0.30 - 0.60
C15D	0.12 - 0.17	≤ 0.30	0.30 - 0.60
C18D	0.15 - 0.20	≤ 0.30	0.30 - 0.60
C20D	0.18 - 0.23	≤ 0.30	0.30 - 0.60
C26D	0.24 - 0.29	0.10 - 0.30	0.50 - 0.80
C32D	0.30 - 0.35	0.10 - 0.30	0.50 - 0.80
C38D	0.35 - 0.40	0.10 - 0.30	0.50 - 0.80
C42D	0.40 - 0.45	0.10 - 0.30	0.50 - 0.80
C50D	0.48 - 0.53	0.10 - 0.30	0.50 - 0.80
C52D	0.50 - 0.55	0.10 - 0.30	0.50 - 0.80
C56D	0.53 - 0.58	0.10 - 0.30	0.50 - 0.80
C60D	0.58 - 0.63	0.10 - 0.30	0.50 - 0.80
C62D	0.60 - 0.65	0.10 - 0.30	0.50 - 0.80
C66D	0.63 - 0.68	0.10 - 0.30	0.50 - 0.80
C68D	0.65 - 0.70	0.10 - 0.30	0.50 - 0.80
C70D	0.68 - 0.73	0.10 - 0.30	0.50 - 0.80
C72D	0.70 - 0.75	0.10 - 0.30	0.50 - 0.80





CORTEN TYPE WIRE

COR-A

Main features

- The main characteristic of COR-A steel is self-protection against corrosion and oxidation by forming a compact surface passivation film, which prevents the spread of corrosion. This film is amber/brownish.
- It is produced via a drawing process on cutting-edge equipment which enhances its mechanical characteristics.

Main uses

Architecture and construction industry, fencing and agriculture.

Diameter range: 1.80 - 8.00 mm.

Types of packaging: pattern laid coil F80 / F90, spooled coil A42/A60/A63 (see page 27).

Type of finish: drawn.

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CHEMICAL COMPOSITION %

	C	Mn	Si	P	S	Cu	Cr	Ni	Mo
min	0.06	0.35	0.25	0.07	≤	0.3	0.3	0.15	≤
max	0.12	0.65	0.45	0.15	0.03	0.5	0.6	0.55	0.08





ANNEALED WIRE

Main features

- Annealed wire undergoes a thermal re-annealing process.
- Thanks to the use of furnaces operating in a controlled atmosphere, we guarantee constant mechanical characteristics and optimal wire surface finish.

Main uses

Applications in agriculture, binding, metal parts, packaging, drawing, and many others.

Diameter range: 1.60 - 8.00 mm.

Types of packaging: pattern laid coil F80/F90, spooled coils A42/A60/A63 (see page 27).

Type of finish: black annealed.

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CHEMICAL COMPOSITION – UNI EN 16120-2

Steel grade	C(c) %	Si(d) %	Mn(e) %
C4D	≤ 0.06	≤ 0.30	0.30 - 0.60
C7D	0.05 - 0.09	≤ 0.30	0.30 - 0.60
C9D	≤ 0.10	≤ 0.30	0.30 - 0.60
C10D	0.08 - 0.13	≤ 0.30	0.30 - 0.60





SKIN-PASSED WIRE

REDRAWN

Main features

- Skin-passed wire is manufactured using dedicated precision equipment for gauging the diameter to customer specifications.
- This process also guarantees a glossy, top quality surface finish.

Main uses

Metal parts, clothes pegs, hinge pins, hanging elements for false ceilings, hooks, small metal parts, bucket handles, container handles in tin and many more.

Diameter range: 1.50 - 6.00 mm.

Types of packaging: F85, iron spool (see page 27).

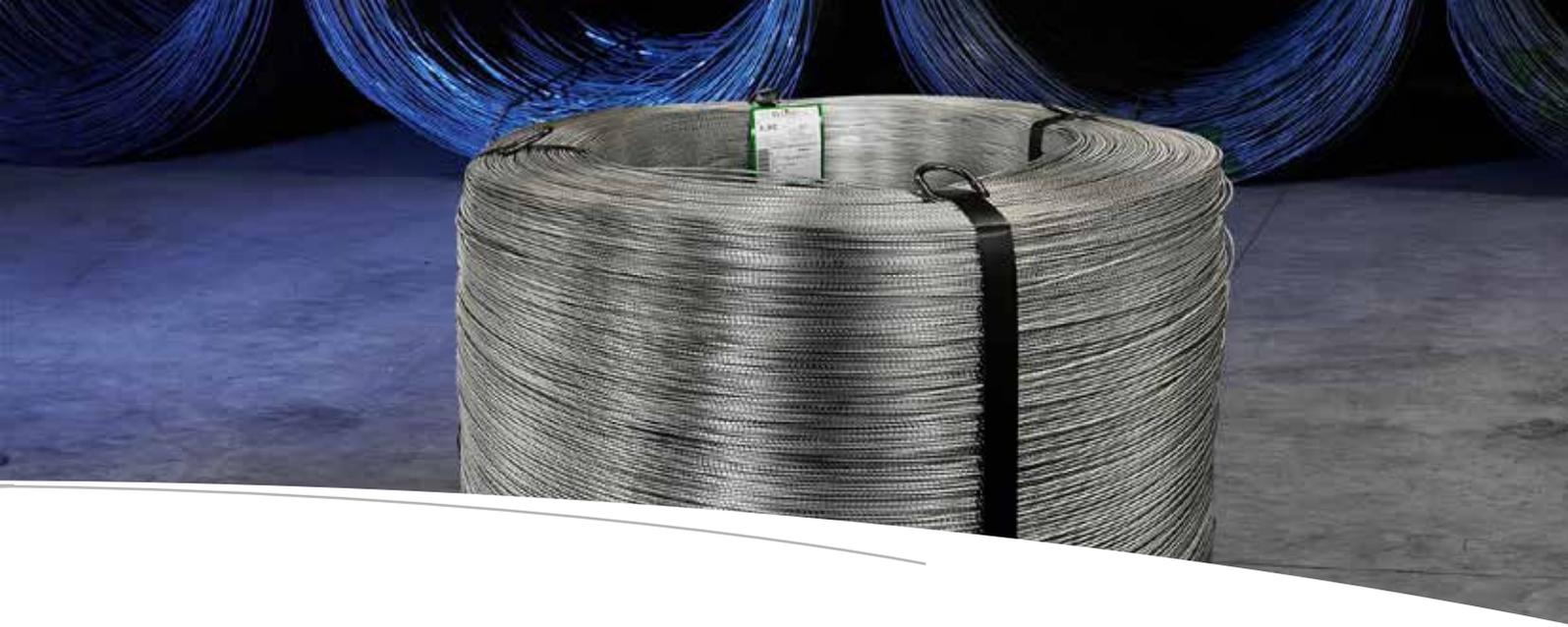
Type of finish: galvanized, bright, bright annealed.

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CHEMICAL COMPOSITION – UNI EN 16120-2

Steel grade	C(c) %	Si(d) %	Mn(e) %
C4D	≤ 0.06	≤ 0.30	0.30 - 0.60
C7D	0.05 - 0.09	≤ 0.30	0.30 - 0.60
C9D	≤ 0.10	≤ 0.30	0.30 - 0.60
C10D	0.08 - 0.13	≤ 0.30	0.30 - 0.60
C12D	0.10 - 0.15	≤ 0.30	0.30 - 0.60
C15D	0.12 - 0.17	≤ 0.30	0.30 - 0.60
C18D	0.15 - 0.20	≤ 0.30	0.30 - 0.60
C20D	0.18 - 0.23	≤ 0.30	0.30 - 0.60
C26D	0.24 - 0.29	0.10 - 0.30	0.50 - 0.80
C32D	0.30 - 0.35	0.10 - 0.30	0.50 - 0.80
C38D	0.35 - 0.40	0.10 - 0.30	0.50 - 0.80
C42D	0.40 - 0.45	0.10 - 0.30	0.50 - 0.80



RIBBED WIRE

Main features

- The production of bright, galvanized, and zinc-aluminum wire ensures improved adhesion.
- The production of ribbed wire is done through embossing using rollers.

Main uses

Agriculture, construction, industrial, production of welded wire mesh with improved adhesion, screed mesh, flooring.

Diameter range: 3.00 – 6.00 mm.

Types of packaging: A42/A60/A63 spooled coil (see page 27).

Type of finish: bright, galvanized, zinc-alu.

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CLASSES OF COATING: UNI EN 10244-2

Dimensions	Classes					
	A	AB	B	C	D	Ax3
Ø(mm)	g/m ² (b)					
1.40 - 1.65	195	135	100	70	30	585
1.65 - 1.85	205	145	100	75	30	615
1.85 - 2.15	215	155	115	80	40	645
2.15 - 2.50	230	170	125	85	45	690
2.50 - 2.80	245	185	125	95	45	735
2.80 - 3.20	255	195	135	100	50	765
3.20 - 3.80	265	210	135	105	60	795
3.80 - 4.40	275	220	135	110	60	825
4.40 - 5.20	280	220	150	110	70	840
5.20 - 8.20	290			110	80	870



CHEMICAL COMPOSITION – UNI EN 16120-2

Steel grade	C(c) %	Si(d) %	Mn(e) %
C4D	≤ 0.06	≤ 0.30	0.30 - 0.60
C7D	0.05 - 0.09	≤ 0.30	0.30 - 0.60
C9D	≤ 0.10	≤ 0.30	0.30 - 0.60
C10D	0.08 - 0.13	≤ 0.30	0.30 - 0.60
C12D	0.10 - 0.15	≤ 0.30	0.30 - 0.60



COATED WIRE

PVC - HDPE

Main features

- Plastic-coated wire is produced by passing wire galvanized with zinc or zinc aluminum alloy through extruders which uniformly distribute PVC or HDPE onto the metal. The system has all features necessary to ensure that the external size tolerances meet customer requirements, and to check the integrity of the sheathing.
- Coated wire can be provided in all primary colors and their combinations.

Main uses

Mesh fencing, rockfall mesh, agriculture, bent accessories with aesthetic features.

Diameter range: 3.00 – 6.00 mm.

Types of packaging: pattern laid coil F80 (see page 27).

Type of finish: bright, galvanized, zinc-alu.

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CHEMICAL COMPOSITION – UNI EN 16120-2

Steel grade	C(c) %	Si(d) %	Mn(e) %
C4D	≤ 0.06	≤ 0.30	0.30 - 0.60
C7D	0.05 - 0.09	≤ 0.30	0.30 - 0.60
C9D	≤ 0.10	≤ 0.30	0.30 - 0.60
C10D	0.08 - 0.13	≤ 0.30	0.30 - 0.60
C12D	0.10 - 0.15	≤ 0.30	0.30 - 0.60
C15D	0.12 - 0.17	≤ 0.30	0.30 - 0.60
C18D	0.15 - 0.20	≤ 0.30	0.30 - 0.60
C20D	0.18 - 0.23	≤ 0.30	0.30 - 0.60
C26D	0.24 - 0.29	0.10 - 0.30	0.50 - 0.80
C32D	0.30 - 0.35	0.10 - 0.30	0.50 - 0.80
C38D	0.35 - 0.40	0.10 - 0.30	0.50 - 0.80
C42D	0.40 - 0.45	0.10 - 0.30	0.50 - 0.80
C50D	0.48 - 0.53	0.10 - 0.30	0.50 - 0.80
C52D	0.50 - 0.55	0.10 - 0.30	0.50 - 0.80
C56D	0.53 - 0.58	0.10 - 0.30	0.50 - 0.80
C60D	0.58 - 0.63	0.10 - 0.30	0.50 - 0.80
C62D	0.60 - 0.65	0.10 - 0.30	0.50 - 0.80
C66D	0.63 - 0.68	0.10 - 0.30	0.50 - 0.80
C68D	0.65 - 0.70	0.10 - 0.30	0.50 - 0.80
C70D	0.68 - 0.73	0.10 - 0.30	0.50 - 0.80
C72D	0.70 - 0.75	0.10 - 0.30	0.50 - 0.80





WIRES FOR VINEYARDS, AGRICULTURE, AND LIVESTOCK FARMING

For years, we have been committed to producing high-quality steel wires, designed to meet the needs of the **agricultural, viticultural, and livestock** sectors. Thanks to advanced technologies and carefully selected materials, our products ensure strength, durability, and maximum efficiency across a wide range of applications—from building support systems for vineyards and orchards to fencing and safety in livestock farms.

Our experience and ongoing search for innovative solutions allow us to offer galvanized and high-tensile steel wires that help optimize daily work and improve productivity. Choosing our products means relying on certified quality and a trustworthy partner for all your sector needs.



Zinc-Aluminum alloy coating with Different Levels of Elongation



Guaranteed to last twice as long after installation



High resistance to weather conditions and sun exposure



Main uses: agriculture, vineyards, orchards, hail protection systems

We care about our land



PURE 20

GALVANIZED WIRE

Main features

- Represents the evolution of hot-dip galvanized wire in agriculture, specifically for vineyards and orchards. It is easily workable as it is soft and easy to bend.

Main uses

Agriculture, vineyards, orchards, fences.

Diameter range: 1.80 - 6.00 mm.

Types of packaging: F85/FM/FB strapped bundle (see page 27).

Type of finish: galvanized.



Reference standards PURE 20

Diameter: EN 10218-2
 Zinc coating: EN 10244-2
 Mechanical properties:
 UNI EN ISO 16120-2: C9D; C15D; C42D; C66D



TECNOFIL PURE 20				COMMERCIAL GALVANIZATION		ELONGATION (%) ≥ 20%
Ø	Ø	Weight	Length (L)	L/ Kg	Wire Ø tolerance	Min. overall tensile strength
(mm)	(JDP)	(Kg)	(m)	(m)	(± mm)	(Kg)
1.80	12	25/50/100/400	1250/2500/5000/20000	50.0	0.040	102
2.00	13	25/50/100/400	1000/2000/4000/16000	40.0	0.040	126
2.20	14	25/50/100/400	825/1650/3300/13200	33.0	0.045	152
2.40	15	25/50/100/400	700/1400/2800/11200	28.0	0.045	181
2.70	16	25/50/100/400	550/1100/2200/8800	22.0	0.045	229
3.00	17	25/50/100/400	450/900/1800/7200	18.0	0.050	283
3.50	18	25/50/100/400	325/650/1300/5200	13.0	0.060	385
4.00	19	25/50/100/400	250/500/1000/4000	10.0	0.060	502
4.50	20	25/50/100/400	200/400/800/3200	8.0	0.060	636
5.00	21	25/50/100/400	165/330/660/2640	6.5	0.070	785
5.50	22	25/50/100/400	135/270/540/2160	5.3	0.070	950
6.00	23	25/50/100/400	110/220/440/1760	4.5	0.070	1130



TRI 20 - TRI 10 - TRI 5

20%

10%

5%

GALVANIZED WIRE

Main features

- Galvanized wire with a thick coating of zinc, which increases durability after installation. It is produced with 3 elongation values.

Main uses

Farming, vineyards, orchards.

Diameter range: 1.80 - 6.00 mm.

Types of packaging: F85/FM/FB strapped coils (see page 27).

Type of finish: galvanized.



Reference standards TRI 20/10/5

Diameter: EN 10218-2

Zinc coating: EN 10244-2

Mechanical properties:

UNI EN ISO 16120-2: C9D; C15D; C42D; C66D



TECNOFIL TRI 20/10/5				HEAVY-DUTY GALVANISATION		ELONGATION (%)		
Ø	Ø	Weight	Length (L)	L/ Kg	Wire Ø tolerance	TRI 20	TRI 10	TRI 5
Ø (mm)	(JDP)	(Kg)	(m)	(m)	(± mm)	≤ 20%	≤ 10%	≤ 5%
						Min. overall tensile strength (kg)		
1.80	12	25/50/100/400	1250/2500/5000/20000	50	0.050	102	229	331
2.00	13	25/50/100/400	1000/2000/4000/16000	40	0.050	126	283	408
2.20	14	25/50/100/400	825/1650/3300/13200	33	0.060	152	323	456
2.40	15	25/50/100/400	700/1400/2800/11200	28	0.060	181	384	543
2.70	16	25/50/100/400	550/1100/2200/8800	22	0.060	229	458	629
3.00	17	25/50/100/400	450/900/1800/7200	18	0.070	283	565	777
3.50	18	25/50/100/400	325/650/1300/5200	13	0.070	385	769	1058
4.00	19	25/50/100/400	250/500/1000/4000	10	0.070	502	942	1256
4.50	20	25/50/100/400	200/400/800/3200	8	0.080	636	1192	1590
5.00	21	25/50/100/400	165/330/660/2640	7	0.080	785	1374	1766
5.50	22	25/50/100/400	135/270/540/2160	5	0.080	950	1662	2137
6.00	23	25/50/100/400	110/220/440/1760	5	0.090	1130	1978	2543



ALU 510 - ALU 505 - ALU 503

10%

5%

3%

ZINC-ALU WIRE

Main features

- The wire coated with zinc-alu alloy is produced with three different elongation values.
- This coating ensures many years of exposure to the elements while keeping the wire's characteristics unchanged.

Main uses

Agriculture, vineyards, orchards, hail protection systems, and farming.

Diameter range: 1.60 - 5.00 mm.

Types of packaging: F85/FM/FB strapped coils (see page 27).

Type of finish: zinc-alu.

Reference standards ALU510/505/503

Diameter: EN 10218-2

Zinc coating: EN 10244-2

Mechanical properties:

UNI EN ISO 16120-2: C9D; C15D; C42D; C66D



TECNOFIL ALU 510/505/503				ZN-AL HEAVY-DUTY GALVANISATION		ELONGATION (%)		
Ø	Ø	Weight	Length (L)	L/ Kg	Wire Ø tolerance	ALU 510	ALU 505	ALU 503
(mm)	(JDP)	(Kg)	(m)	(m)	(± mm)	≤ 10%	≤ 5%	≤ 3%
Min. overall tensile strength (kg)								
1.60	11	25/50/100/400	1575/3150/6300/25200	64	0.050	191	271	338
1.80	12	25/50/100/400	1250/2500/5000/20000	50	0.050	229	331	415
2.00	13	25/50/100/400	1000/2000/4000/16000	40	0.050	283	408	512
2.20	14	25/50/100/400	825/1650/3300/13200	33	0.060	323	456	581
2.40	15	25/50/100/400	700/1400/2800/11200	28	0.060	384	543	692
2.70	16	25/50/100/400	550/1100/2200/8800	22	0.060	458	629	744
3.00	17	25/50/100/400	450/900/1800/7200	18	0.070	565	777	918
3.50	18	25/50/100/400	325/650/1300/5200	13	0.070	769	1058	1250
4.00	19	25/50/100/400	250/500/1000/4000	10	0.070	942	1256	1507
4.50	20	25/50/100/400	200/400/800/3200	8	0.080	1192	1590	1908
5.00	21	25/50/100/400	165/330/660/2640	7	0.080	1374	1766	2159





WIRE BAND

Main features

- The band is manufactured through a cold-rolling process and hot gluing of wires.
- In-process quality control of the semi-finished product to be rolled, right up to the stamping tests prior to delivery.

Main uses

Staples for industrial use, brads and pins.

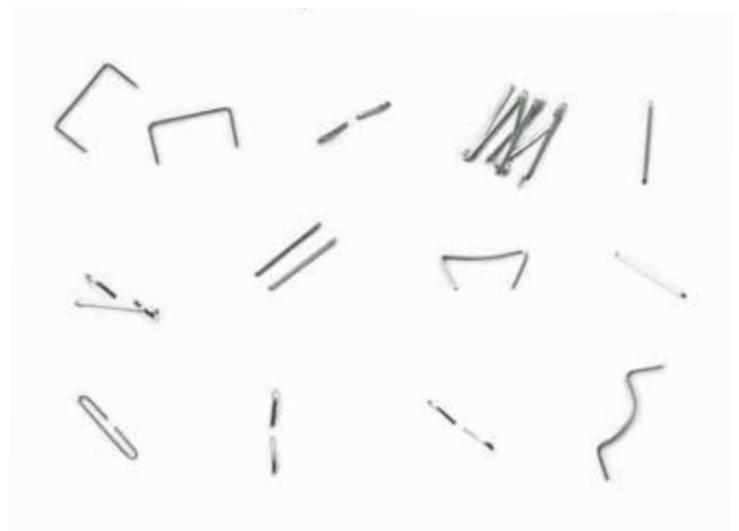
Flat sizes: 0,5x0,31 - 2,60x2,40 mm.

Types of packaging: wooden spool for wire band (see page 27).

Type of finish: aluminium, AISI304, AISI316.

Colours available: transparent, gold (yellow).

ON CUSTOMER REQUEST,
WE CAN OFFER MAXIMUM
CUSTOMIZATION OF PACKAGING
AND PRODUCT SPECIFICATIONS, AS
WELL AS PROVIDE EVIDENCE OF EN
10204 3.1 CERTIFICATION



TYPES OF PACKAGING



PATTERN LAID COIL

Code	Ø external (mm)	Ø internal (mm)	height (mm)	weight (kg)	Ø range (mm)	wire	details
F80	850	400	600 / 1000	500 / 1000	1.55 - 5.00	Bright Wire, Annealed Wire	4 steel fixing straps
F85	850	400	600 / 1000	500 / 1000	1.50 - 6.00	Galvanized Wire, Zinc-Alu Wire	4 plastic/steel fixing straps
F90	950	500	600 / 1000	700 / 1200	3.00 - 6.00	Bright Wire, Annealed Wire	4 steel fixing straps
F95	1.150	700	500 / 900	1300 / 1600	6.00 - 8.00	Galvanized Wire, Zinc-Alu Wire	4 steel fixing straps
FM	650	400	50 / 100 / 200	25 / 50 / 100	1.60 - 4.00	Galvanized Wire, Zinc-Alu Wire, Bright Wire	4 steel fixing straps
FB	650	550	50 / 100	25 / 50	1.60 - 8.00	Galvanized Wire, Zinc-Alu Wire, Bright Wire	4 steel fixing straps



SPOOLED COIL

Code	Ø external (mm)	Ø internal (mm)	height (mm)	weight (kg)	Ø range (mm)	wire	details
A42	950	600	440	700 / 1000	1.55 - 6.00	Bright Wire, Annealed Wire	4 steel fixing straps
A60	950	600	620	1200 / 1400	1.55 - 12.00	Bright Wire, Annealed Wire	4 steel fixing straps
A63	950	560	650	1000 / 1800	1.55 - 12.00	Bright Wire, Annealed Wire	4 steel fixing straps
Z2	700	360	288	400	1.55 - 4.00	Galvanized Wire, Zinc-Alu Wire	6 steel fixing straps



BOBINA PER BANDELLA

Code	Ø external (mm)	Ø internal (mm)	height (mm)	weight (kg)
RP1150	1.150	530	200+90	600

Labelling can be customized

The standard Tecnofil labelling with barcode shows:

- Customer name
- Product code
- Diameter
- Weight
- Heat no.
- Order no.
- Product specification (type of raw material, tensile strength, zinc coating).





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