

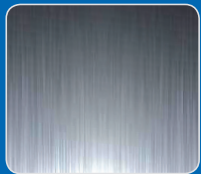
SURFACES



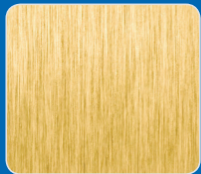
Tin (Sn) (bright and matt finish, brushed and re-flow)
Round or profiled wires from 0.09 to 12 mm Ø (or edge dimension) on spools. Solid or stamped strips up to 360 mm wide and 4 mm thick, also selective.



Silver (Ag) (matt finished or calibrated bright, passivated)
Round or profiled wires from 0.09 to 4 mm Ø (or edge dimension) on spools. Strips up to 200 mm wide and 4 mm thick.



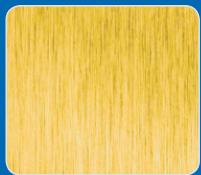
Nickel (Ni) (bright and matt finished)
Round or profiled wires from 0.12 to 5.60 mm Ø (or edge dimension) on spools. Solid or stamped strips up to 360 mm wide and 4 mm thick, also selective.



Gold (Au), hard gold AuCo 0.3
Round or profiled wires from 0.12 to 1.00 mm Ø (or edge dimension) on spools.



Copper (Cu) (matt finished or calibrated bright)
Round or profiled wires from 0.12 to 2.50 mm Ø (or edge dimension) on spools. Strips up to 300 mm wide and 4 mm thick, also selective.



BRENNOVO



Emulsion
Emulsion for future wire drawing processes.

INDUSTRIES

Microelectronics

Silver-plated switch and connector wires for electronic components (capacitors) and sensors. Electrolytically tin-plated round or profiled wires for all areas of electronic engineering including highly automated soldering processes. Optionally with a nickel or copper barrier layer to reduce the risk of whisker formation.

Medical technology

Silver-plated wires for medical probes (catheters) and apparatus which take advantage of the antiseptic properties of the silver layer.

Cables and strands

Nickel-plated copper wires in line with ASTM-B355 and MIL standards for protection against continuous thermal stresses up to 400 °C. Nickel or tin-plated surfaces for protection against corrosive evaporation of plastics. Highly nickel-plated copper wires up to 35% (percentage of nickel by weight) for high-temperature and corrosion protection up to 750 °C.

Lighting

Non-porous, nickel-plated and low-carbon iron, stainless steel or special alloy wires used in the for illuminant production.

Springs and bending parts

Decorative, flexible nickel layers on slow carbon, bronze or steel wires. Silver-plated, hard-drawn bronze or steel wires for electric contact springs. Tarnish-proof contact, spring and connector wires with hard gold plating (AuCo 0.3). Can also be produced with a nickel barrier or a copper or silver interface layer for increased electrical conductivity. Spring-tempered bronze wires with a nickel barrier layer and pure tin for connections which are suitable for soldering in line with DIN EN 60068-2-20.

Wire drawing

Special silver, nickel or copper-plated iron, stainless steel, bronze, brass, CCS, CCA, aluminium or copper redrawn wire for processing on a wire drawing block.

Electrical components

Technical, highly ductile nickel layers suitable for stamping, for manufacturing electrical components. Silver-plated narrow strips to increase electrical conductivity and improve spot welding suitability for stamp-cut components. Tin-plated strips suitable for soldering (also pre-stamp-cut), for stamping, bending and drawing of electrical and electronic components. Various applications in the automotive industry.

Antennae

Silver-plated coaxial conductor centers for HF technology which take advantage of the skin effect.



BRENSCHEIDT
Spezialfabrik für galvanisierte Drähte und Bänder
Specialists in electroplated wires and strips



WE UNTANGLE
SOLUTIONS MADE BY BRENSCHEIDT

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QUALITY

Quality in wires and strips

Ever since master galvaniser Otto Brenscheidt founded our company in 1919, quality and customer satisfaction have been our most important guiding principles. We understand quality as strict compliance with your technological specifications and are officially certified according to ISO 9001.

Surfaces in the fourth generation

The company continues to be successfully managed, guided by these principles, by the fourth generation of the family: brothers Klaus and Ernst Brenscheidt and their children.

Made to your specifications

Make the most of our extensive experience in the field of wire and strip finishing. We treat your materials on a contract basis or supply the desired finished wire from our drawing mill exactly to your specifications.

INNOVATION

Emulsion

Emulsion for future wire drawing processes. It would be our pleasure to inform you about our possibilities.

Multilayer coatings

All materials can also be manufactured in double or triple layers, e.g. Ni-Sn, Cu-Sn, Ni-Au, Ag-Au or Cu-Ni-Sn. The interface layer is normally used as a barrier layer against diffusion processes.

Our newest product – BRENNOVO

Ask for more information on our newest product line – BRENNOVO. We'd be happy to advise you. We welcome inspiration for new interfaces based on your technical requirements.

Electroplated aluminium

All surfaces can also be provided on aluminium.



ROUND WIRES

From 0.09 to 12 mm



FLAT WIRES

From 0.10 to 4.5 mm



PROFILED WIRES

0.15 x 1.80 mm
Max. 9 x 4.5 mm



SOLID STRIPS

Max. 360 mm wide
and 4 mm thick



STAMPED STRIPS

Max. 360 mm wide
and 4 mm thick



TUBES

Dimensions on
request