

## Materials.

#### Copper

Cu-ETP1 Cu-OF1 CU-OFE

#### Copper Alloys including:

Copper nickel
Copper tin
Copper magnesium
Copper zinc
Copper silver

High strength copper alloys Resistance alloys

#### Composites:

Copper clad steel
Copper clad aluminium
Mixed-material combinations

The most common of these are within our **Histral**® alloy family

A wider range of standard alloy types is also available on request

Please visit our website for further information, or contact us if you have a specific enquiry

#### **TEMCO Wire Products Ltd**

Whimsey Industrial Estate Cinderford Gloucestershire GL14 3HZ England

Tel +44 (0)1594 820100 Email: Sales@temco-wire.com

For more information visit https://temco-wire.com



# Wire Products Limited

#### Constructions

- ✓ Wires single and multiend
- ✓ Concentric and semi concentric stranded conductors
- ✓ Bunches
- ✓ Highly flexible ropes and strands

#### Availability\*

- ✓ Nickel-plated up to 27%
- ✓ Silver-plated
- ✓ Bare
- ✓ Tin-plated

#### Condition\*

- ✓ Hard
- ✓ Soft annealed
- ✓ Intermediate tempers

#### Typical<sup>†</sup>size range<sup>\*</sup>

✓ Wire diameters 0.05 - 1.80mm - single wires

0.05 - 0.50mm - strands bunches & ropes

Strands & bunches 0.025 – 4 mm²

✓ Ropes 0.10 - 85mm²

### Process ranges\*

✓ Electroplating : nickel & silver

✓ Wire drawing: single and multiwire

✓ Double twist stranding: strand, bunch and rope-strand

✓ Multiend bobbin winding

✓ Annealing

<sup>&</sup>lt;sup>†</sup> other sizes available on request





<sup>\*</sup>Depending on material & construction



Established in the UK since 1906, TEMCO Wire Products Ltd is one of the World's leading specialists of highly advanced copper and alloy based products - our name is recognised globally with a reputation for high quality and innovation leadership in our markets

We offer a unique choice of wires, strands and ropes made out of copper and copper alloys - including our Histral® alloy range for high strength and resistance

Material can be supplied electroplated and bare - as well composite/mixed materials for tailor-made characteristics

Nickel silver and tin plating up to 27% can provide protection for temperature extremes between -150 & +750°C\*

World-class process controls ensure the tightest tolerances and the most demanding of product specification

Our versatile product portfolio includes innovative products for a wide range of applications, including:

- Electrical
- ✓ Heating and heat management
- ✓ Network & data communications including RF/HF
- ✓ Sensors
- Miniaturisation
- ✓ High flexibility

Supplied into a wide range of markets, including:

- Space
- Aerospace
- Automotive & e-Mobility
- Transportation
- Industrial & automation
- Healthcare



# History of TEMCO Wire

Origin as a manufacturer of wire and strands for the local mining industry in the Forest of Dean, UK

Temco founded as supplier of nickelchrome and stainless steel wires

1950

Start of electroplating of nickel and silver onto copper wires

Acquired by BICC

1970

First producer worldwide of nickelplated copper wire to use diamond drawing dies

1985

Relocation from Lydbrook to present site in Cinderford.

1996

Acquired by Leonische Drahtwerke AG, Nuremberg

2007

Installation of first European 27 % nickel-plating line

2023

LEONI AG sold its Wire Products & Solutions business group (BG PS) to Deutsche Invest Mittelstand GmbH. BG PS, now under the new brand Aerumtec group

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