

Product overview

POLYFIL

high precision in wires & tubes



Bare wire
ø 0.800 - 0.007 mm



Insulated wire
ø 0.500 - 0.015 mm



Flat wire insulated flat wire
↔2.500 - 0.050 mm † 0.300 - 0.005 mm



Plated wire
ø 0.800 - 0.010 mm



Micro cables
2 - 30 single strands
Combined insulation, size & materials



Fine tubes
OD 4.000 - 0.250 mm
ID 2.900 - 0.050 mm
WL 1.000 - 0.040 mm



Coaxial wire & multi lumen tubes
Customised products, combining
wires, micro cables and tubes



Applications



Medical components



Automotive



Micro tech & electronics



High precision industry

Services & support

For the development of new products, as well as the design and the implementation of prototypes, our experience and knowledge are at your disposal. Our qualified staff, with their well equipped laboratory are ready to give you every desired support.

Our competencies

Bending, coiling, cutting, polishing, electro polishing, plating, assembling, laser welding, 3D-CAD, rapid prototyping and 3D-printing.

Metal

Aluminium
Al99.9
Al99.9 Cu clad
Al99.9 Ag clad

Silver
Ag99.99
Ag30Cu70
Ag40Cu60
Ag50Cu50

Gold
Au99.99

Copper
Cu99.99
Cu99.99 OFHC
CuBe1.9
Cu98Ni2
Cu70Ni30
CuMn12Ni

Bronze
Cu95Sn5
Cu95Sn6
Cu95Sn8

Titanium
Ti99.9

Brass
Cu80Zn20
Cu63Zn37

Constantan
Cu55Ni45

Nickel
Ni99.9
Ni80Cr20
Ni75Cr20 Spec.
Ni70Fe30
Ni42Fe58
Ni36Fe64

Palladium
Pd99.99
Pd60Ag40

Platinum
Pt99.99
Pt92W8
Pt90Ir10
Pt80Ir20

Inox Steel
1.4301 - AISI304
1.4306 - AISI304L
1.4310 - AISI302
1.4404 - AISI316L
1.4435 - AISI316LS

Plating

Silver
Ag99.99

Gold
Au99.99

Copper
Cu99.99

Nickel
Ni99.9

Palladium
Pd99.99

Platinum
Pt99.99

Coating

Polyurethane
V130 130 C° L
V150 150 C° L

Polyesterimide
W180 180 C°
W200 200 C°

Polyimide
C300 300 C°

Silicone
200 °C B

PTFE - Teflon
260 °C B

Polyvinylbutyral
100 °C L

Polyamide
180 °C L

L = solderable
B = biocompatible

The thickness of the coating depends on the given specifications. Extrusion coatings are supplied on demand.

Other metals on request



Get more information about our products on our website

www.polyfil.ch

