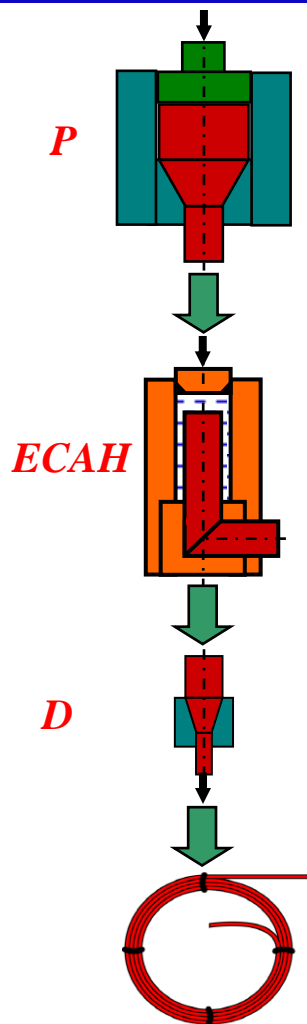


High-Strength and High-Conductivity Copper Wire

Production scheme



Properties of Copper Wire (0.5-mm in diameter)

Copper	Ultimate Tensile Strength, MPa	Percent Elongation, %	Electrical Conductivity, % IACS
Cu-OF (99.98%)	576 (370)*	2,2 (1,9)*	96,7 (96,9)*
Cu-FRTP (99.95%)	686 (450)*	2,0 (0,8)*	86,4 (86,5)*

* - standard technology (reference data)

Principal effects

- ✓ increase in the strength properties
- ✓ retention of plastic properties
- ✓ retention of electrical conductivity
- ✓ high temporal stability of the properties

Competitive advantages

- the unique combination of high strength and high conductivity
- possibility of including the *ECAH* to the existing production string

Field of application

Electronics, electrical engineering, aviation and other industries

P – Pressing;
ECAH – Equal Channel Angular Hydroextrusion;
D - Drawing