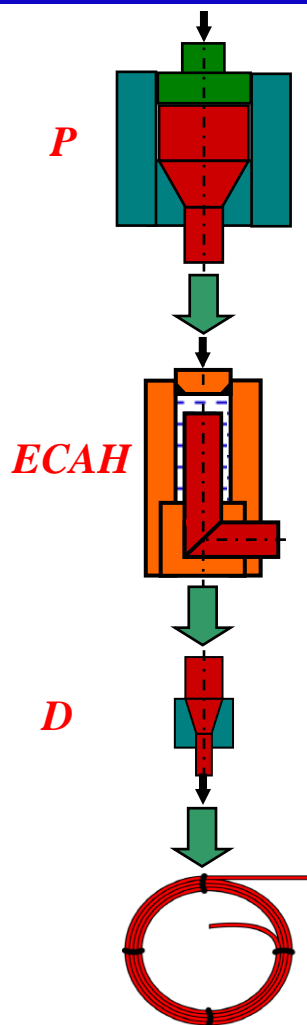




# High-Strength and High-Conductivity Copper Wire

## 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%)	<b>576</b> (370)*	<b>2,2</b> (1,9)*	<b>96,7</b> (96,9)*
Cu-FRTP (99.95%)	<b>686</b> (450)*	<b>2,0</b> (0,8)*	<b>86,4</b> (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**