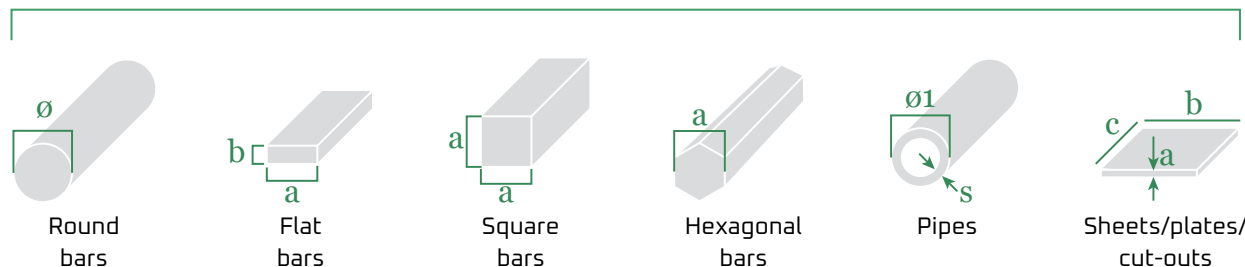


# Copper

## Pure Copper

Alloys, international standards\*, and examples of use

### Supply program



Production method: drawn, extruded, rolled, forged.

ISO	ČSN/STN	EN	DIN	UNS	BS	PN	Properties	Application:
<b>Cu-ETP</b>	423001	CW004A	2.0065/E-Cu 58 2.0060/E-Cu 57	C11000	C101	M1E	Electrical copper. Refined copper (oxygen-containing copper).	Common electrical purposes. Special measures are required to prevent hydrogen embrittlement when heat-treating, welding, or soldering this copper in a hydrogen-containing atmosphere.
<b>Cu-DHP</b>	423004	CW024A	2.0090/SF-Cu	C12200	C106	M2R	Low-oxygen copper, well formable, well weldable.	It is used in the chemical, food, and refrigeration industries. Pressure vessels, hot water tanks, air conditioning systems, roofing.
<b>Cu-OF</b>	423000	CW008A	2.0040/OF-Cu	C10200	C103		Deoxidized (oxygen-free) copper, excellent resistance to atmospheric and seawater corrosion. Not resistant to oxidizing acids or moist ammonia. Excellent weldability with all hot and cold technologies in the annealed condition.	For demanding applications in vacuum technology and reducing atmospheres.
<b>Cu-PHC /SE-Cu</b>		CW020A	2.0070/SE-Cu 58	C10300	C103		Deoxidized copper. Characterized by high conductivity (electrical copper). Good weldability and solderability. Can be heat-treated, welded, and soldered without the need for special measures to prevent hydrogen embrittlement	Busbars, electrical conductors, clad products, connectors, terminals, thermostatic control tubes.
<b>Cu-HCP</b>		CW021A	2.0070/SE-Cu 57	C10300			It is characterized by high conductivity (electrical copper). Good weldability and solderability. It can be heat-treated, welded, and soldered without the need for special measures to prevent hydrogen embrittlement.	Pressure vessels, preform tubes, high-frequency cables, subsea cable strips, and standard material for longitudinally welded cables.
<b>Cu-OFE</b>		CW009A	2.0040/Cu-OFE	C10100	C110		High-purity oxygen-free copper that does not contain elements prone to evaporation in a vacuum environment. It is electrically conductive and performs exceptionally well under hot and cold forming. Cu-OFE is corrosion-resistant, particularly against atmospheric influences and water.	Electrical engineering, vacuum technology, and high-frequency cable production.
<b>Cu-DLP</b>		CW023A	2.0076/SW-Cu	C12000			Cu-DLP is deoxidized oxygen-free copper with a low residual phosphorus content. It combines excellent formability with good bonding properties. Due to its low phosphorus content, conductivity is reduced but remains higher than that of Cu-DHP and Cu-HCP.	Architecture, roofing, instrumentation, electrical components, cladding strips, wires, heat exchangers, transistors, air conditioning systems, heat exchangers, air, hydraulic, and oil pipelines.

\* The listed standards are equivalent but may not be identical and could differ.

ISO	ČSN/STN	EN	DIN	UNS	BS	PN	Properties	Application:
<b>Cu-FRHC</b>		CW005A						
<b>CuAg0,04</b>		CW011A						
<b>CuAg0,07</b>		CW012A						
<b>CuAg0,10</b>		CW013A						
<b>CuAg0,04P</b>		CW014A						
<b>CuAg0,07P</b>		CW015A						
<b>CuAg0,10P</b>		CW016A						
<b>CuAg0,04(OF)</b>		CW017A						
<b>CuAg0,07(OF)</b>		CW018A						
<b>CuAg0,10(OF)</b>		CW019A						

\* The listed standards are equivalent but may not be identical and may vary.

