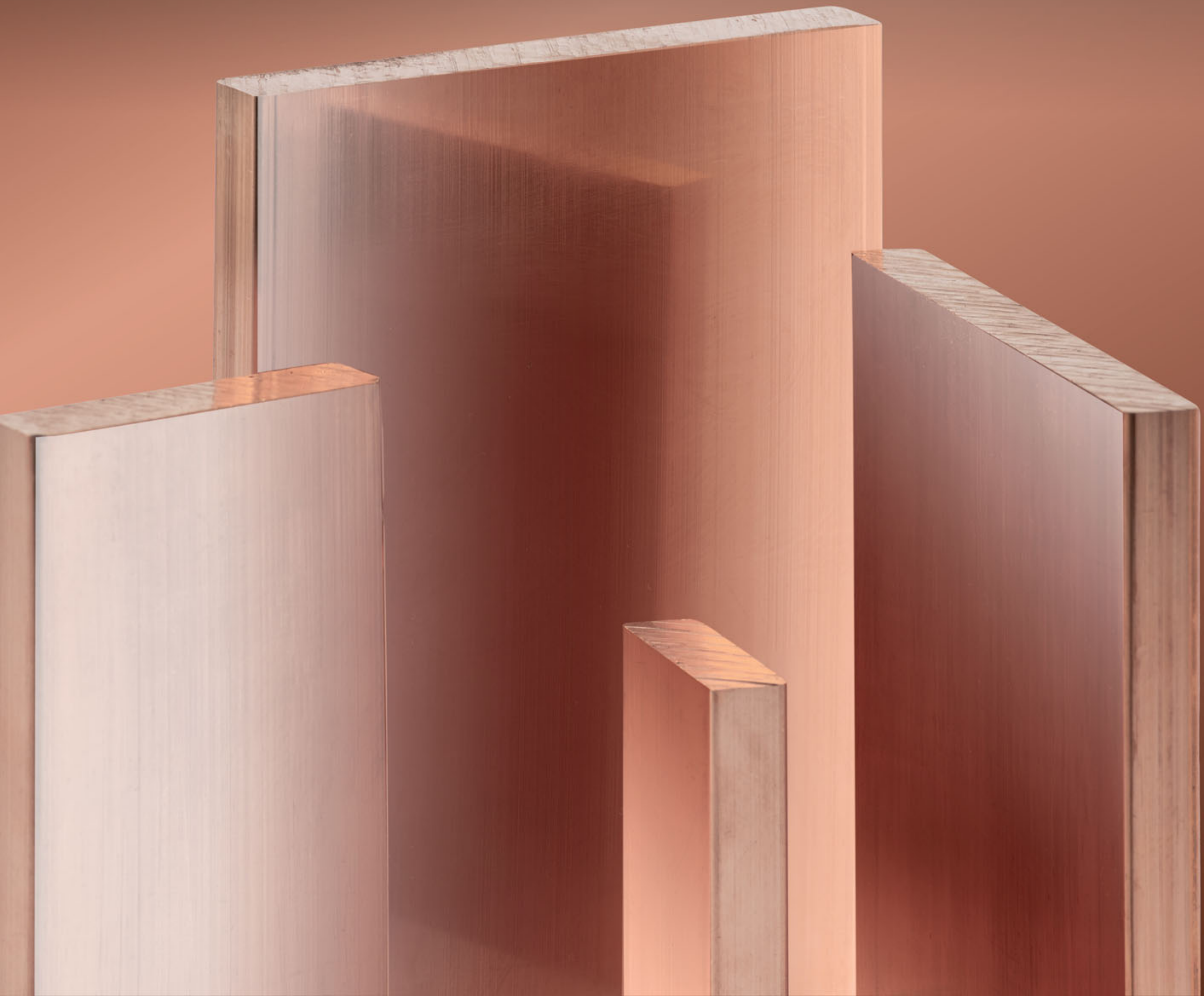




# Kimia Mes Taban Kavir

## Copper Semi-Finished Products

Founded on 14th February 2021 in Yazd province, Kimia Mes Taban Kavir Company of aims to invest in the copper industry, supply raw materials for the electrical industry, and produce copper parts of all types. An industrial complex and production lines have been built in Yazd's special economic zone on a plot of land measuring 40,000 square meters.







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By leveraging the experiences of companies active in the electricity industry, employing domestic and foreign experts and specialists, and utilizing the latest technology, we continue to improve ourselves. As part of our efforts to achieve this goal, we collaborate with reputable European companies in the country's fields of production, mining, industry, commerce, and services, as well as select the correct raw materials and adhere to the highest quality standards. As a knowledge-based and dynamic organization, Kimia Mes Taban Kavir Company has always been committed to preserving the environment through green technologies, as well as ensuring that its products meet the latest global market standards to enter international and regional markets. Oxygen-free copper has the advantage of eliminating the possibility of brittleness in copper. Bending operations are often performed on busbars, which may sometimes lead to cracking at the edge of the bends. Copper with oxygen-free content (Cu-OF) is an excellent choice for busbars, as can be observed in the copper products offered by Kimia Mes Taban Kavir. The copper products of this company may be manufactured without oxygen (Cu-OF) according to the following two standards:

Items	Specifications		
Standard	JIS H3140:2018		
Alloy	C1020		
Temper Grade	¼ Hard	½ Hard	Hard
Tensile strength( N/mm <sup>2</sup> )	215-275	245-315	275 min
Elongation (%)	25 min	15 min	-

Items	Specifications		
Standard	BSEN 13601:2021		
Alloy	CW008A		
Temper Grade	R250	R300	R350
Minimum tensile strength (N/mm <sup>2</sup> )	250	300	350
Hardness (HB)	65-90	75-100	100 min



For More Information, Please Contact Us:  
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## Up-Cast

Kimia Mes Taban Kavir Company manufactures a wide range of copper industrial products through its advanced machines and skilled employees. According to international standards, we guarantee the maximum durability, efficiency, and quality of our products. As one of the leading manufacturers of copper wire, rod, and busbars in Iran, this company is known for its high-quality products.

### Up-Cast Copper Wires are Produced As Cu-OF :

Items	Specifications
Copper Purity	Cu = % 99.99
Oxygen (%)	O2 <10 ppm
Dimensions	ø 8, 16 , 22 , 25 (mm)
Net weight	Approximately 2.5 tons

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## Copper Busbar

Considering that copper busbars are used in transmission and distribution of electricity, they must have high electrical conductivity since the current passing through them is high. Copper busbars can be found in mechanical and electrical engineering equipment, switchboard production (low and medium voltage) and all types of busducts, power distribution systems.

Items	Specifications		
Copper Purity	% 99.99		
Thickness	3-24 mm		
Width	20-230 mm		
Length	4000 mm*		
Standard	JIS H3 140 : 2018	BS EN 13601 : 2021	
Conductivity at 20 °C	58 MS/m		
% IACS	Min 100%		
Electrical resistance at 20°C	0.01724 Ω mm <sup>2</sup> /m		
Cross section	Semi-Circular Edge-CE	Rounded corners- RD	Sharp Corners- SH
Packaging	Wooden Box	Wooden Pallet	

\*Available in other lengths upon agreement.





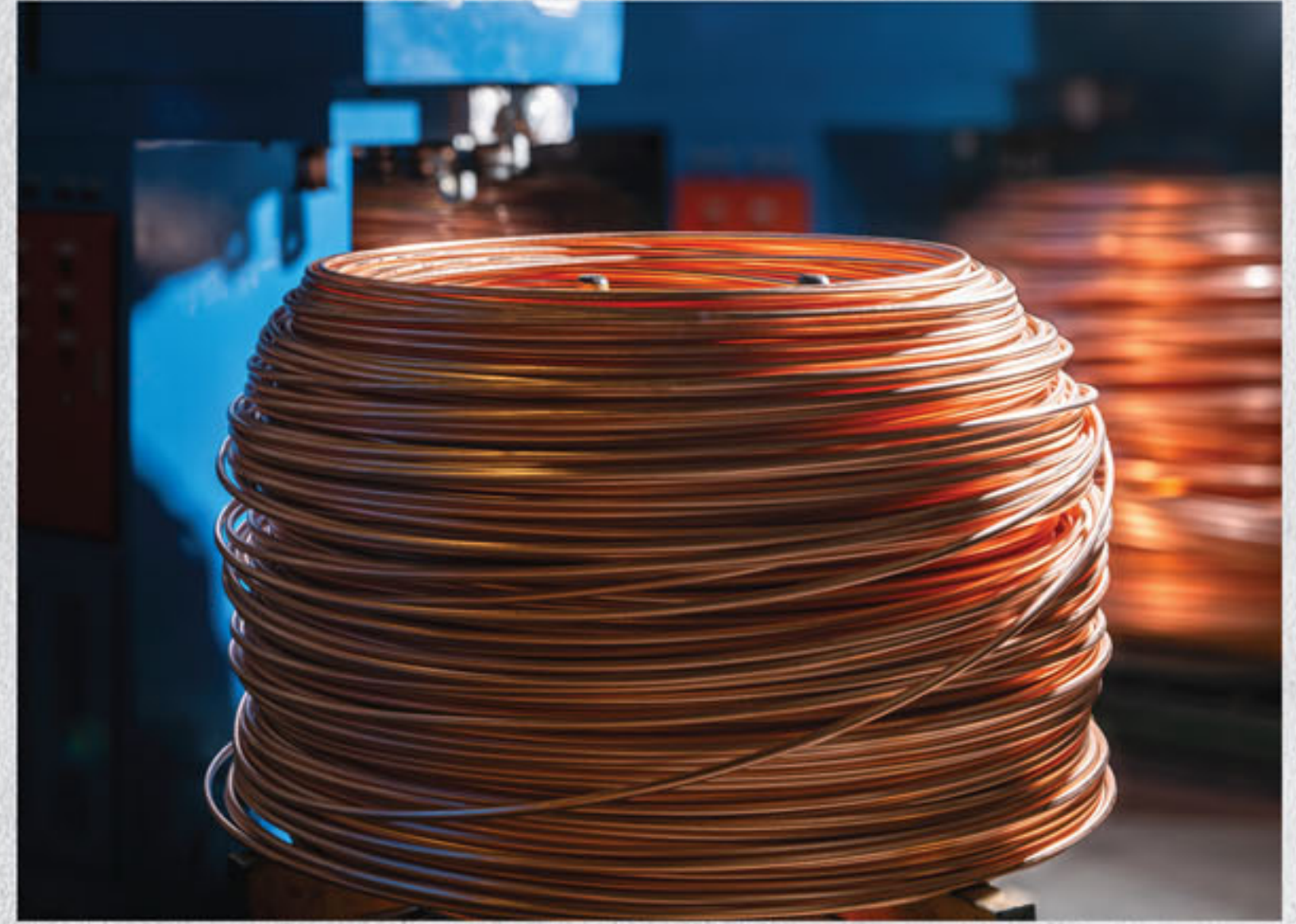
Alchemy  
Like Copper,  
Shining Like  
The sun





## Wire & Rod

The electrical industry also uses wires and rods extensively. The automotive electrical industry, connections, bolts and nuts, cable and earthing, ventilation and lighting equipment can be considered as some of these applications. The Kimia Mes Taban Kavir Company is capable of meeting a significant portion of the needs of these industries. This is done by manufacturing wire and rods with continuous extrusion machinery according to the following specifications.



Coils can often be manufactured and delivered in diameters ranging from 10 to 20 mm. Rods with diameters greater than 16 mm and up to 90 mm are packed in bundles according to the order of the customer. The rod length is 3000 mm, But other lengths are available upon agreement.

Copper wire and rods with specifications

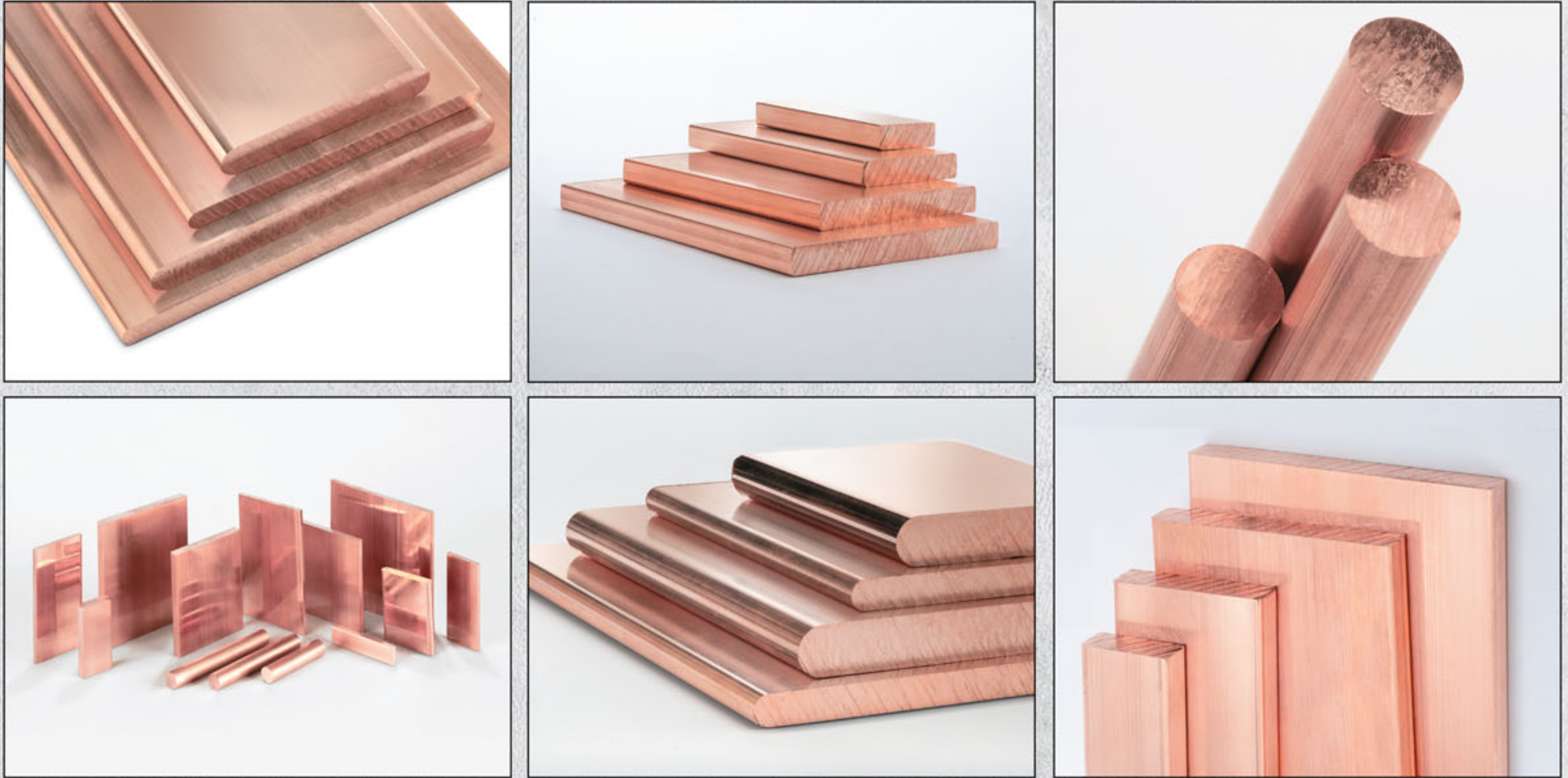
Items	Specifications
Copper Purity	Cu = %99.99
Oxygen (%)	O2 < 10 ppm
Standard	JIS H3140:2018 BS EN 13601:2021
Dimensions	ø 10-90 mm
Packaging	Coil (Wire) - Bundle (Rod)





**Kimia Mes Taban Kavir**  
Copper Semi-Finished Products

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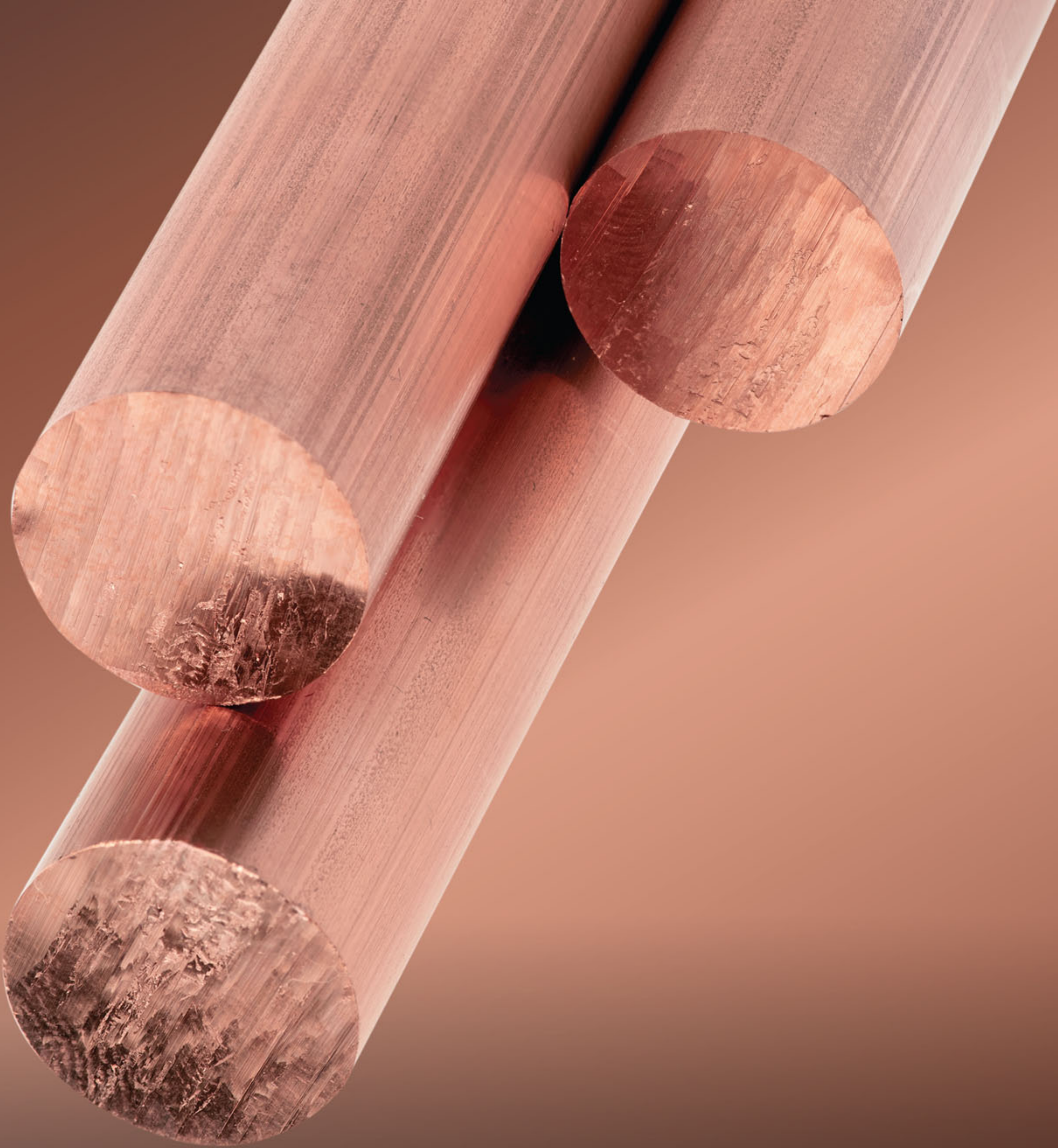


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Copper Semi-Finished Products

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