

ROUND COPPER TUBES



ALLOY STANDARDS AND SYMBOLS

Alloy		Standards	Applications
Chemical symbol	Numerical symbol		
Cu-ETP	CW004A	EN 12449	Water distribution pipelines Elements of connection (cable lugs)
Cu-OF	CW008A	EN 13600	Electric heating elements Machine engineering industry

SHAPES AND DIMENSIONS

Shape	Manufacturing Process	Dimensions	Temper
●	Hot extruded	Outer diameter: 70-140 mm Inner diameter: 30-90 mm Wall thickness: > 20-30 mm Dext./ wall thickness = min.3	D – cold drawn Soft (annealed): R200 / H035 Half hard: R250 / H065 Hard: R290 / H090
	Cold drawn	Outer diameter: 21-120 mm Inner diameter: 18-85 mm Wall thickness: 1.5-20 mm	





COPPER RODS AND BARS



ALLOY STANDARDS AND SYMBOLS

Copper type		Standards	Applications
Chemical symbol	Numerical symbol		
Cu-ETP	CW004A	EN 12165	Mainly used for manufacturing of parts and components for electrical applications (electric power distribution lines, distribution panels, transformers etc.)
Cu-OF	CW008A	EN 13601	

SHAPES AND DIMENSIONS

Shape	Manufacturing Process	Dimensions	Temper
	Hot extruded	Diameter: > 80-140 mm	<p>M – hot extruded D – cold drawn</p> <p><u>Soft (annealed):</u> R200 / H035</p> <p><u>Half hard:</u> R230 / H065 R250 / H065</p> <p><u>Hard:</u> R260 / H075 R280 / H085 R300 / H085</p>
	Cold drawn	Diameter: 5-80 mm	
	Hot extruded	Side: > 60-100 mm	
	Cold drawn	Side: 5-60 mm	
	Hot extruded	Across flat: > 60-100 mm	
	Cold drawn	Across flat: 5-60 mm	
	Hot extruded	Width: 60-130 mm Thickness: 30-70 mm Section area: > 3000-9000 mm²	
	Cold drawn	Width: 5-125 mm Thickness: 2.5-30 mm Section area: < 3000 mm² Width / thickness ratio: max.15	

ROUND COPPER WIRE



ALLOY STANDARDS AND SYMBOLS

Copper type		Standards	Applications
Chemical symbol	Numerical symbol		
Cu-ETP	CW004A	EN 13601	Coils for generators, motors and electric transformers
Cu-OF	CW008A		Cables for electricity distribution Electricity distribution panels

DIMENSIONS AND TEMPER

Final processing	Diameter	Temper
Cold drawn	1-10 mm	D – cold drawn <u>Annealed (soft): R200 / H035</u> <u>Half hard: R250 / H065</u> <u>Hard: R300 / H085</u>

NOTE:
The wire is offered in coils type "bunched coil", with a weight of max.100 kg.

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