

Copper Rod

Copper Rod 8 mm. It is also available Diameters 12 mm, 14 mm, 17 mm



Detail Description or Construction

Copper Rod is available Oxygen Free (less than 5 ppm) or Continuous Cast Hot Rolled (Electrolytic Tough Pitch - ETP).

Application

The copper rod is mainly used for drawing into electrical wires of smaller diameters.

Standards / Testing Specifications

- ASTM B49 / B224 / BS 6017

NOMINAL DIAMETERS (COPPER ROD 8 mm)	
Upcast (Oxygen Free)	Continuous Cast Hot Rolled (ETP)
8 mm	7.94 mm
Tolerances: 7.92 to 8.08	Tolerances: 7.56 to 8.32

Packaging

The rod is supplied as continuous coils in weights up to 4 tonnes. The coils are weld free.

The coil is wrapped with polyethylene sheeting and strapped to a wooden pallet for shipment.

Temper	Mechanical		Max. Resistivity @ 20°C	Min. Conductivity @ 20°C
	Min Elongation	Tensile Strength		
	%	Kg / mm ²		
UPCAST	30	25.5 min	0.017241	100
ETP	30	20.8 – 26.0	0.017241	100

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CHEMICAL COMPOSITION

Element	UPCAST	ETP
Copper, min %	99.99	99.9
Tellurium, max ppm.	2	2
Selenium, max ppm	3	2
Bismuth, max ppm	1	1
Group total, max	--	3
Antimony, max ppm	4	4
Arsenic, max	5	5
Tin max ppm	2	5
Lead max ppm	5	5
Iron, max ppm	10	10
Nickel, max ppm	10	10
Sulphur, max ppm	15	15
Silver, max ppm	25	25
Oxygen, max ppm	5	100 - 650
Max allowable total (not including Oxygen)	--	65
Mercury, max ppm	1	--
Cadmium max ppm	1	--
Phosphorus max ppm	3	--
Zinc, max ppm	1	--
Manganese, max ppm	0.5	--