

## OXYGEN FREE COPPER ROD



### Technical data

**Product:** Copper wire rod of diameter (8±0.40) mm, produced by continuous casting named "UPCAST"

**Standard:** BDS EN 1977:2003

**Material used in production:** Copper cathodes grade designation Cu-CATH-1 acc. to BDS EN 1978:2002.

**Typical chemical composition:**

Cu - 99.99%											
ppm											
Ag	Al	As	Bi	Cd	Co	Cr	Fe	Mg	Mn	NI	S
6.56	6.56	1.23	0.348	<0.35	0.303	0.208	8.627	<0.10	<0.11	<0.20	5.257
P	Pb	Sb	Se	Si	Sn	Te	Zn	Zr	H	O	
0.75	0.728	1.123	<0.65	1.16	<0.65	<2,7	<1.1	<0.09	0.30	<2.0	

### **Physical properties:**

Tensile strength : min 170 MPa

Elongation : min 40 %

Resistance in 20°C: max. 0.01707 Ω.mm<sup>2</sup>/m

**Packing:** The rod is supplied on coils of approximately 3000 kg weight in one piece without joints. The coils are transported on wooden pallets secured to the pallets with plastic straps. Every coil is covered with plastic foil for protection against adverse conditions. The surface of rod is coated with anti-corrosion synthetic wax layer which secures against oxidation during transport and storage.