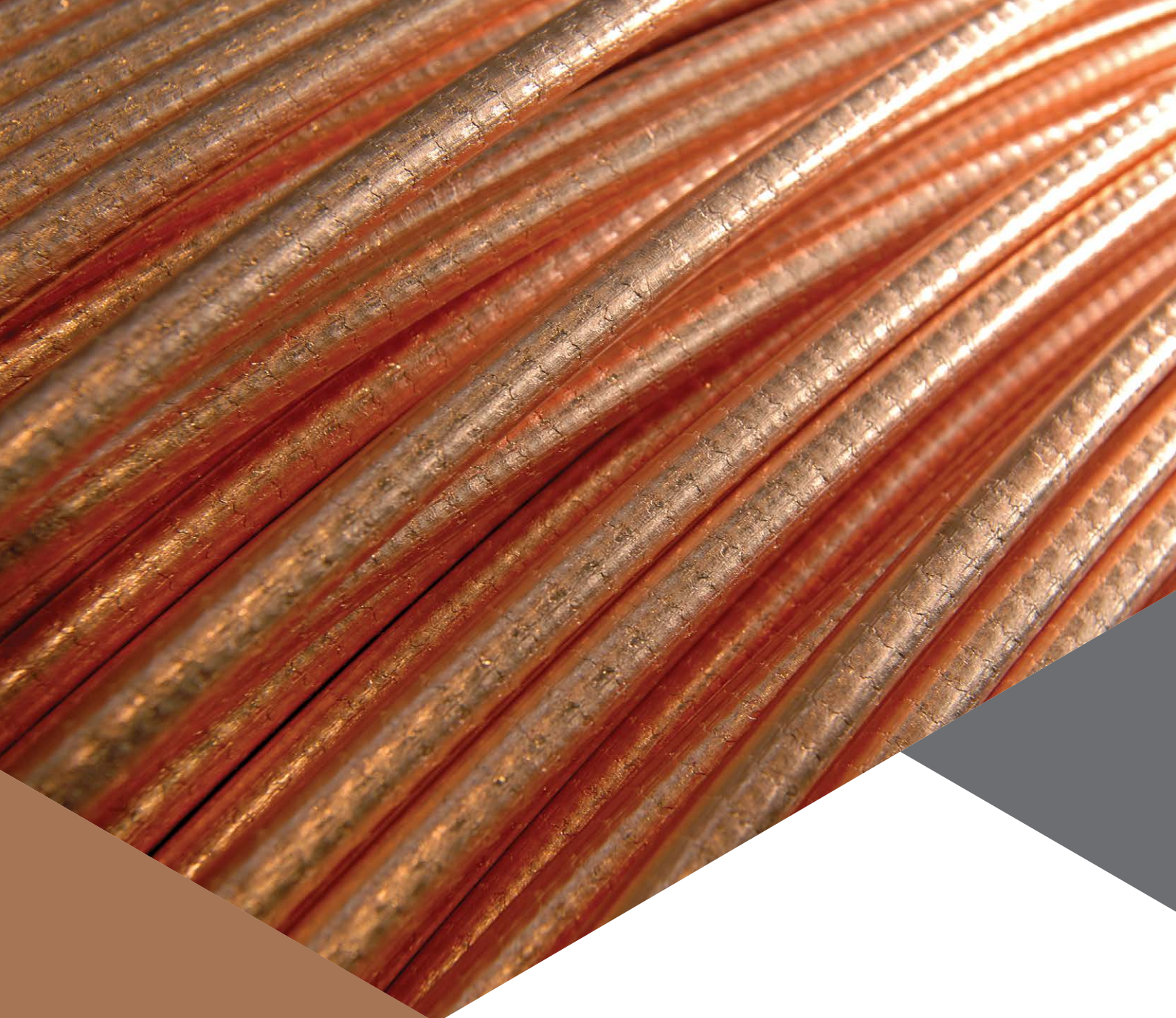




**Oxygen-free
silver-bearing
copper rod**

Oxygen-free silver-bearing copper rod

Producer	KGHM Polska Miedź S.A. Cedynia Wire Rod Plant Division in Orsk
Product	Oxygen-Free, Silver-Bearing Copper Rod: CuAg0,04(OF)-8, CuAg0,04(OF)-12,7, CuAg0,04(OF)-16, CuAg0,04(OF)-20, CuAg0,04(OF)-22, CuAg0,04(OF)-24, CuAg0,04(OF)-25 CuAg0,07(OF)-8, CuAg0,07(OF)-12,7, CuAg0,07(OF)-16, CuAg0,07(OF)-20, CuAg0,07(OF)-22, CuAg0,07(OF)-24, CuAg0,07(OF)-25 CuAg0,10(OF)-8, CuAg0,10(OF)-12,7, CuAg0,10(OF)-16, CuAg0,10(OF)-20, CuAg0,10(OF)-22, CuAg0,10(OF)-24, CuAg0,10(OF)-25 on request after consultation with the customer: CuAg0,01(OF)-8, CuAg0,01(OF)-12,7, CuAg0,01(OF)-16, CuAg0,01(OF)-20, CuAg0,01(OF)-22, CuAg0,01(OF)-24, CuAg0,01(OF)-25 CuAg0,20(OF)-8, CuAg0,20(OF)-12,7, CuAg0,20(OF)-16, CuAg0,20(OF)-20, CuAg0,20(OF)-22, CuAg0,20(OF)-24, CuAg0,20(OF)-25
Standard	PN-EN 1977 ASTM B49
Dimensions and tolerances	8 mm $\pm 0,4$; 12,7 mm $\pm 0,4$; 16 mm $\pm 0,4$; 20 mm $\pm 0,6$; 22 mm $\pm 0,6$; 24 mm $\pm 0,6$; 25 mm $\pm 0,8$
Charge material	Cathode grades: Cu-CATH-1; brands: HMG-B, HMG-S Refined silver AgO min 99.99% Ag
Ag content	CuAg0,01 (80-130 ppm); CuAg0,04 (300-500 ppm); CuAg0,07 (600-800 ppm); CuAg0,10 (800-1200 ppm); CuAg0,20 (1800-2250 ppm)
Impurities	Maks. 25 ppm, O ₂ < 5 ppm
Physical properties	Conductivity at 20°C: min. 58.0 MS/m (100.0% IACS) Elongation (200 mm): min. 37% Tensile strength (200 mm): 180 $\pm$ 10 N/mm ²
Packing	The oxygen-free Cu rod is supplied in coils at weight 2,5 up to 4 mt, in one piece at full lenght. Each coil is secured with stretch foil to protect it from external conditions. Pallet dimensions: 1650 x 1650 x 150 mm Internal coil diameter: 900 mm External coil diameter: 1800 mm

- The Cedynia Wire Rod Plant Division of KGHM Polska Miedź S.A. produces oxygen-free, silver-bearing Cu rod in a structurally cast state. At the customer's request it is possible to produce CuAg(OF) silver-bearing rods in a non-standard way.
- The surface of the oxygen-free, silver-bearing copper rod is smooth and clean without cracks and micro holes, and is coated with a synthetic wax layer to protect the surface against oxidation during transport and storage (application of the synthetic wax layer is optional at the customer's request).
- The oxygen-free, silver-bearing copper rod has an enhanced resistance to heat-related abrasion. Thanks to trace amounts of oxygen (max. 5 ppm) the rod has excellent drawability.
- The Cedynia Wire Rod Plant Division of KGHM Polska Miedź S.A. holds an Integrated Management System Certificate conforming to the following standards: ISO 9001, ISO 14001, ISO 45001, ISO 50001 and ISO 22301 in terms of manufactured products and implemented processes. All our certificates are available on the website: www.kghm.com.



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