



**KAVEH**

COPPER INDUSTRIES CO.

[www.kavehcopper.com](http://www.kavehcopper.com)





Kaveh Copper Industries Co. was founded in 2000 by Davood Rahmani and Ali Saad-e-Din in Kaveh Industrial city located in Saveh City-Iran by the aim of producing Copper Rod 8mm.

In 2002 production of Copper Rod started by UPCAST method, gradually Kaveh Copper Industrial Co. modernized its production line by CONTINUOUS PROPERZI machineries (Italy) and in 2003 the production line started to use "Hot Rolling" by the use of Copper Scrap. In 2004 production of copper Rod from copper cathode was started.

Today Kaveh Copper Industries Co. is known as one of the most reputable manufactures of Copper Rod in Iran. This will not happen unless we pick the most talented engineers, from the best internal processes. Whatever their role is, each member of Kaveh Copper Industries Co. combines an uncompromising engineering mindset with an unwavering focus on executing their mission.

Today our total capacity of producing copper Rod 8mm is 72000MT per year based on international standard ASTM B49 2010, and following methods:

- ETP Method using copper cathode through one furnace
- FRHC Method using copper scrap through three furnaces

FRHC (Fire Refined High Conductivity)

#### Typical Analysis:

- Copper content: (including Silver)   Min. 99.90%
- Oxygen:                                       140- 220 ppm

#### Physical Characteristic: Standard ASTM B49

8 ± 0.2			Nom Dia.
≥	100%	IACS	Electrical Conductivity
220-250 N/mm <sup>2</sup>			Tensile Strength
≥ 36%			Elongation
> 42			Twist to Failure

#### Packing:

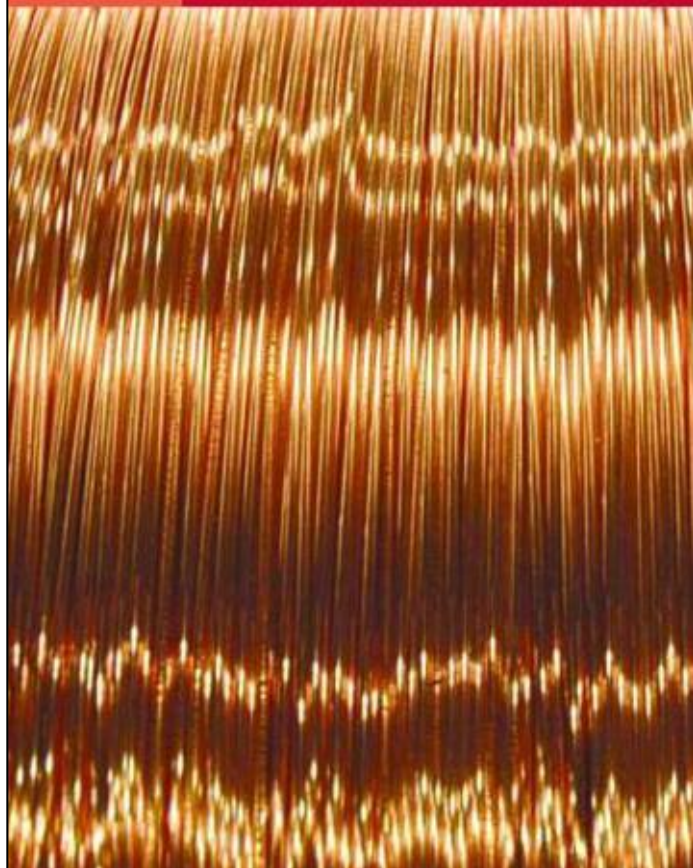
- On wooden pallets 1.93\*1.93\*1.93 with plastic cover
- Weight: 3300 kg. Approximately
- Copper with waxing cover

#### ETP (Electrolytic Tough Pitch)

- Copper content: (including Silver)   Min. 99.99%
- Oxygen:                                       150- 350 ppm

#### Physical Characteristic: Standard ASTM B49

8 ± 0.2			Nom Dia.
≥	101%	IACS	Electrical Conductivity
225-235 N/mm <sup>2</sup>			Tensile Strength
≥ 38%			Elongation
> 45			Twist to Failure







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In this unit, single-strand annealed and hard drawn copper wire is produced in different sizes.

Packing: On wooden spools or baskets is done according to customer's request.

- 1.38 mm.
- 1.50 mm.
- 2.60 mm.

Physical and mechanical properties:

Elongation: 20-35%

Tensile strength: 235-285 N / mm<sup>2</sup>

Electrical resistance: 0.15307 Ω / mm<sup>2</sup>



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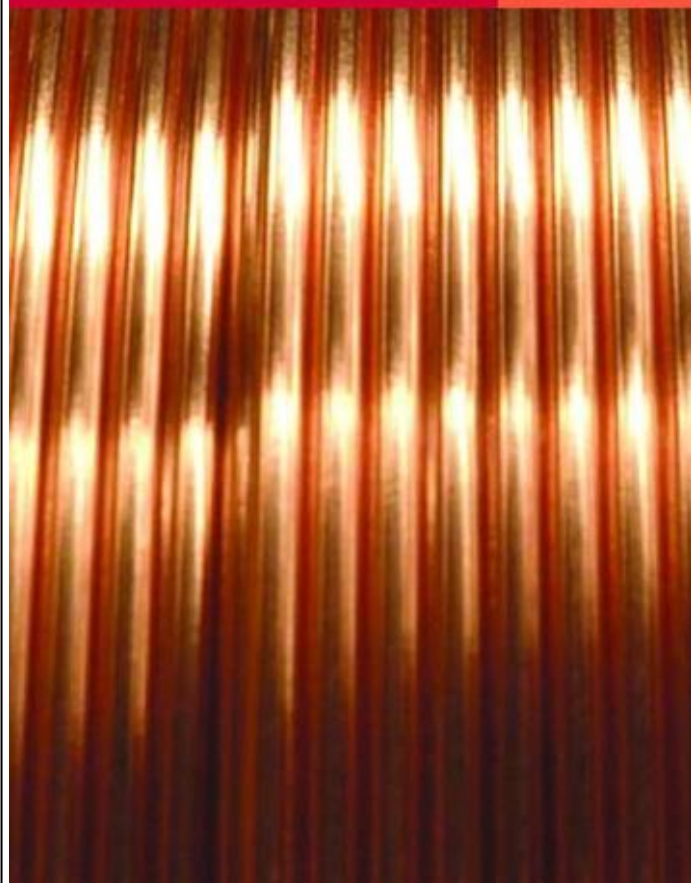
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