AZAROS

General Trading FZE

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About Us

At Azaros General Trading FZE, our goal is simple: to connect industries with reliable access to essential metals like copper and aluminium. From our base in Dubai, a hub of global trade, we serve partners across different regions with a focus on professionalism, transparency, and efficiency. What matters to us is building trust through consistent delivery and open communication.

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Sustainability

Copper is the backbone of electrification. Aluminium is the material of the clean energy age. At Azaros, we align our trading with the world's shift to low-carbon energy, ensuring that our metals don't just fuel industries — they power progress."

Mission

"To deliver essential metals with efficiency and integrity — enabling growth and supporting the world's transition to clean energy."

Vision

"To be a trusted regional trading partner, recognized for reliability and our contribution to a sustainable future."

Values

- Integrity: Every trade built on trust and transparency.
- Reliability: On-time delivery, every time.
- Global Reach: Serving markets across Asia, Africa, Europe, and the Americas.
- Sustainability: Supplying the metals that drive electrification and clean energy.

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Copper Rod

Shape and dimensions

The non-welded copper rod produced by Upcast method wrapped in coil

Product	Dia. (mm)	Coil weight (kg)
Copper rod	8, 10 , 15 , 16 , 20 , 25	3.500

Chemical composition

Alloy	Denomination	Copper (%)	Oxygen (max ppm)	Standard Conformanc			
				American	Chinese	Europe	Japanese
				ASTM(B49)	GB	EN (1977)	JIS
CU-OFE	Oxygen-free	99.99	5	C10100	TU2	CW009A	C1011
CU-OF	Oxygen-free	99.95	5	C10200	TU1	CW008A	C1020

Chemical composition

Product	Electrical Conductivity (IACS)	Tensile Strength (N/mm^2)	Elongation (Min %)	Ductility (mm)	Mean size (mm)
Copper rod	101 %	240	28	0.19	0.05

Packing:

- Packed on 1.5×1.5 wooden pallets

Usage:

Power transmission and power distribution, copper conductors and cable

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Copper Conductors

Hard conductors

Technical Information:
Hard conductors stranded continually

Normal Cross Section	Number & Nominal Wire Diameter	Approx Overall Diameter	Approx Conductor Weight	Max D.C. Resistance At 20℃	Cloulated Breaking Load
mm	NR×mm	mm	kg/km	Ohm/km	KN
10	7x1.35	4.1	90	1.8060	4.1
16	7x1.70	5.1	142	1.1385	6.5
25	7x2.10	6.3	217	0.7461	9.9
35	7x2.50	7.5	308	0.5264	14.0
50	7x3.00	9.0	444	0.3656	20.0

* The above conductors can be produced tin-coated

Chemical composition

Alloy	Denomination	Copper (%)	Oxygen (max ppm)	Standard Conformanc			
				American	Chinese	Europe	Japanese
				ASTM(B49)	GB	EN (1977)	JIS
CU-OFE	Oxygen-free	99.99	5	C10100	TU2	CW009A	C1011
CU-OF	Oxygen-free	99.95	5	C10200	TU1	CW008A	C1020

Standard:
In conformance with BSEN 60228 2005 version
The weight is changeable due to order

Usage:
Overhead power transmission and power distribution

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Soudronic Wire

Shape and dimensions

Continually annealed single core wire

Technical properties:

Tensile Strength	Elongation(%)	Highest resistance in °20C (Ω g/m)
245-285	22-28	0.15328

Alloy	Denomination	Copper (%)	Oxygen (max ppm)	Standard Conformanc			
				American	Chinese	Europe	Japanese
				ASTM(B49)	GB	EN (1977)	JIS
CU-OFE	Oxygen-free	99.99	5	C10100	TU2	CW009A	C1011
CU-OF	Oxygen-free	99.95	5	C10200	TU1	CW008A	C1020

Chemical composition

Product	Diameter (mm)	Spool weight (kg)
Syndronic Wire	1.38 and 1.5	400

Packing:

- Wooden or plastic coated metal spool
- Weight 400 kg

Usage:

specially Manufactured for welding machines

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Rod, Square, Hexagonal, Round bar

Shape	Dimensions (mm)	Length (m)
Rod	8-80	Up to 10
Square rod	3-50	
Hexagonal rod		
Earth rod	16 & 20	

Small sizes are spool-coiled
Any profile or special section is producible due to order
All above products can be produced tin-coated

Technical Specifications and Standards

The non-welded copper wires produced by Upcast method wrapped in coil

Alloy	Main Element (%)	Standard Conformanc			
		American	Chinese	Europe	Japanese
		ASTM(B49)	GB	EN (1977)	JIS
CU-OFE	Cu: 99.99 (min)	C10100	TU2	CW009A	C1011
CU-OF	Cu: 99.95 (min)	C10200	TU1	CW008A	C1020
Al	Al: 99.7 (min)	Series 1000 ,3000 ,4000 ,5000 ,6000 ,8000			

Packaging:
Packed on wooden pallets

Usage:
Electric and electronic industry, distribution panel

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TIN-Plated Copper ROD and Busbar

Tin-plated copper rod and busbar helps upgrade design and provides the best quality for switchgears, switchboards, electrical panels, power transformers and busducts by:

- **Applications**
- **Switchboards, Switchgears, Electrical Panels, Power Transformers, Busduct & etc**

The Purity of Coating Material	Tin anode, 99.5% up
Coating Thickness	3 - 30 microns and as per customer's requirement

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Soft copper conductors (earthing)

Technical Information:
Annealed conductors stranded continually with or without tin coating

Normal Cross Section	Number & Nominal Wire Diameter	Approx Overall Diameter	Approx Conductor Weight	Max D.C. Resistance At 20°C	Cloulated Breaking Load
mm	NR×mm	mm	kg/km	Ohm/km	KN
50	1.80 x 19	9.0	436	0.3759	19.8
70	2.10 x 19	10.5	593	0.2762	26.9
95	2.50 x 19	12.5	840	0.1949	38.1
120	2.80 x 19	14.0	1054	0.1554	47.8
120	2.01 x 37	14.0	1054	0.1554	47.8
150	2.25 x 37	15.7	1326	0.1238	60.1
185	2.50 x 37	17.5	1640	0.1003	74.2
240	2.25 x 61	20.2	2208	0.0753	89.0
300	2.50 x 61	22.5	2226	0.061	122.3
400	2.89 x 61	26.0	3643	0.0456	163.4
500	3.23 x 61	29.1	4550	0.0365	204.2

* The above products are producible in sector compact due to order

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Flexible Copper Conductors

Technical Information and dimensions:
Continually annealed stranded conductors

Nominal cross Section (mm^2)	Strands dia. (mm)	Mean diameter (mm)		Weight (kg/km)	Max Conductor Resistance at 20°C	Current Capacity at 25°C (A)	Voltage (V)
		min	max				
0.5	16*0.20	2.5	2.1	9	39	6	300-500
0.75	24*0.20	2.7	2.2	12	26	9	300-500
1	32*0.20	2.8	2.4	15	19.5	11	300-500
1.5	30*0.20	3.4	2.8	21	13.3	16	450-750
2.5	50*0.20	4.1	3.4	32	7.98	21	450-750
4	56*0.30	4.8	3.9	48	4.95	28	450-750
6	84*0.30	5.3	4.4	68	3.3	36	450-750
10	80*0.40	6.8	4.7	115	1.91	49	450-750

Chemical composition

Alloy	Denomination	Copper (%)	Oxygen (max ppm)	Standard Conformanc			
				American	Chinese	Europe	Japanese
				ASTM(B49)	GB	EN (1977)	JIS
OFE	Oxygen-free Electronic Copper	99.99	5	C10100	TU2	CW009A	C1011

Packing:
- Wooden or plastic coated metal spool
- Weight 400 kg
- The weight is changeable due to order

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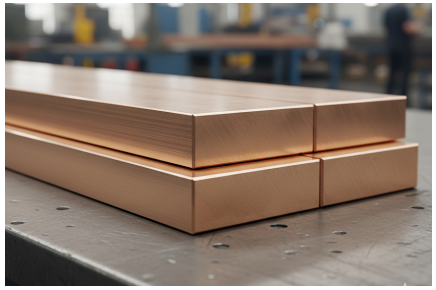
Busbar

Shape and dimensions

Thickness (mm)	Width (mm)	Length (m)	Shape
3-20	20-170	≤10	

Square Edge



Full Rounded Edge

Radius Edge

Coil

Thickness (mm)	Width (mm)	Length (m)
2-20	20-170	No limitation

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