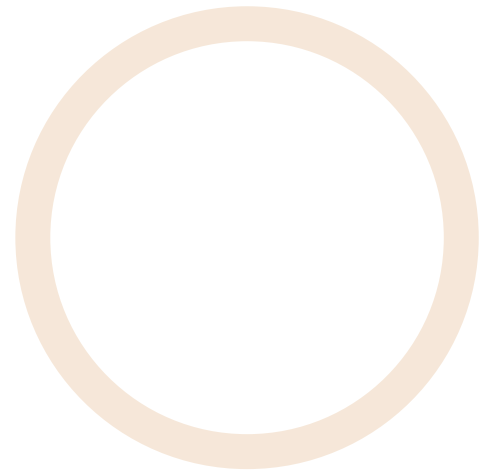






I	ABOUT DULICO
04	Company Overview
05	Why Choose Dulico
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ABOUT DULICO

Company name: **MANUFACTURING & TRADING DULICO COMPANY LIMITED**

Founded: **1991**

Representative: **Mr. Nguyen Trong Duy**

Factory investment: **10,000,000 USD**

Company capital: **2,100,000 USD**

Employee: **120 people (May 2024)**

Area: **24,000 m²**



Headquarter & Factory 1: Lot A2, CN7, Tu Liem Industrial Cluster, Xuan Phuong Ward, Hanoi, Vietnam



Factory 2: Lot 37, Quang Minh Industrial Park, Quang Minh Commune, Hanoi, Vietnam



Factory 3: Minh Quang Industrial Park, Thuong Hong Ward, Hung Yen, Vietnam

WHY CHOOSE DULICO

- Knowhow and long experience in metal processing
- Closed processing from copper scrap to end products
- High-quality products with the appropriate price, fast delivery time.

CERTIFICATES & ACHIEVEMENTS



Affiliated Organizations & Associations



Main Partner



SOLID & STRANDED COPPER WIRE

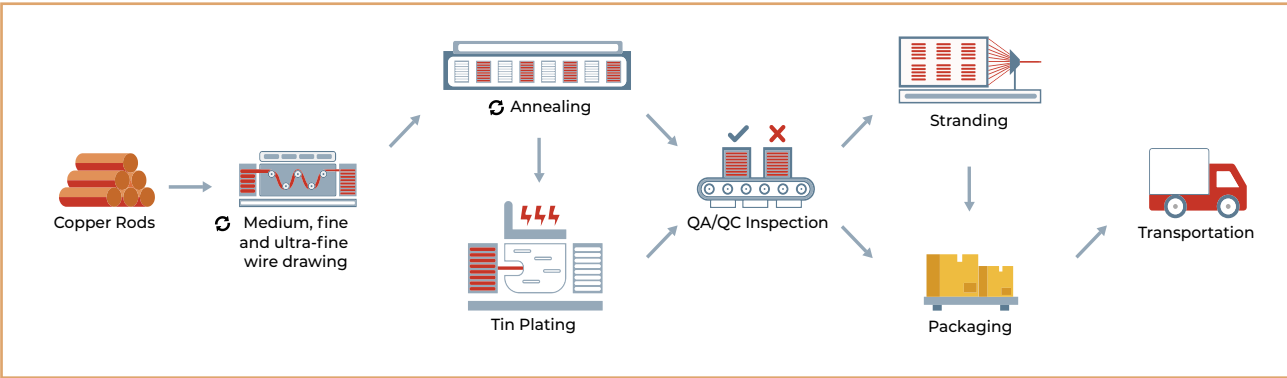
MACHINERY	QUANTITY
Wire drawing machines	5
Annealing furnaces	2
Tin-plating machines	5
Stranding machines	3
Wire coiling & extrusion machines	2

EQUIPMENT	QUANTITY
Micrometers	20
Resistance testers	5
Elongation tester	1
Surface defect microscope	1
Precision scales	10

MACHINERY & EQUIPMENT



PRODUCTION PROCESS



SOLID COPPER WIRE

Soft-annealed solid copper wire is made from high-purity electrolytic copper to ensure excellent ductility, stable electrical conductivity, and a smooth, uniform surface finish. The bare wire provides good formability and dimensional precision, while the tinned wire has a uniform and adherent coating that enables reliable soldering performance and consistent stability during operation.

APPLICATIONS

- Electrical and electronic components
 - Automotive, and mobile device industries
 - Industrial power systems
- Energy and infrastructure projects.
 - Elecommunications, refrigeration sectors and marine.

QUALITY CERTIFICATIONS

Our soft-annealed copper wires are produced under international standards, ensuring high conductivity, environmental compliance, and global quality certification.



TECHNICAL SPECIFICATIONS – SOLID COPPER WIRE

OD (mm)	Tolerance (±mm)	OD Range (mm)	Conductivity (%IACS @20°C)	Resistance (Ω/km @20°C)	Min. Elongation BC (%)	Min. Elongation TC (%)
0.050	0.003	0.047–0.053	100	8,786.00	7	5
0.060	0.003	0.057–0.063	100	6,101.20	7	5
0.080	0.003	0.077–0.083	100	3,432.00	12	10
0.090	0.003	0.087–0.093	100	2,711.70	12	10
0.100	0.003	0.097–0.103	100	2,196.50	12	10
0.114	0.003	0.111–0.117	100	1,690.10	12	10
0.120	0.003	0.117–0.123	100	1,520.50	12	12
0.127	0.003	0.124–0.130	100	1,361.80	12	12
0.140	0.003	0.137–0.143	100	1,120.65	12	12
0.150	0.003	0.147–0.153	100	976.19	15	12
0.155	0.003	0.152–0.158	100	914.22	15	12
0.160	0.003	0.157–0.163	100	858.00	15	12
0.175	0.003	0.172–0.178	100	717.21	15	15
0.180	0.003	0.177–0.183	100	677.92	15	15
0.190	0.003	0.187–0.193	100	608.45	15	15
0.200	0.003	0.197–0.203	100	549.12	15	15
0.203	0.003	0.200–0.206	100	533.00	15	15
0.226	0.003	0.223–0.229	100	430.05	15	15
0.230	0.003	0.227–0.233	100	415.22	15	15
0.240	0.003	0.237–0.243	100	381.33	15	15

TECHNICAL SPECIFICATIONS – SOLID COPPER WIRE

OD (mm)	Tolerance (±mm)	OD Range (mm)	Conductivity (@20°C %IACS)	Resistance (@20°C Ω/km)	Min. Elongation BC (%)	Min. Elongation TC (%)
0.245	0.003	0.242–0.248	100	365.92	15	15
0.247	0.003	0.244–0.250	100	360.03	15	15
0.250	0.003	0.247–0.253	100	351.43	15	15
0.254	0.003	0.251–0.257	100	340.45	15	15
0.260	0.003	0.257–0.263	100	324.92	20	15
0.290	0.003	0.287–0.293	100	261.18	20	15
0.320	0.003	0.317–0.323	100	214.50	20	15
0.361	0.004	0.357–0.365	100	168.54	20	15
0.404	0.004	0.400–0.408	100	134.57	20	15
0.455	0.005	0.450–0.460	100	110.92	20	15
0.511	0.005	0.506–0.516	100	84.12	20	20
0.574	0.005	0.568–0.580	100	66.86	25	20
0.635	0.005	0.630–0.640	100	54.47	25	20
0.643	0.006	0.637–0.649	100	52.95	25	20
0.717	0.006	0.717–0.731	100	41.90	25	20
0.813	0.007	0.805–0.821	100	33.23	25	20
0.912	0.009	0.903–0.921	100	26.41	25	20
1.020	0.010	1.01–1.03	100	21.11	25	20
1.150	0.012	1.138–1.162	100	16.61	25	20
1.290	0.013	1.277–1.303	100	13.20	25	20
1.630	0.016	1.614–1.646	100	8.27	25	20
2.050	0.021	2.029–2.071	100	5.23	25	20
2.600	0.026	2.574–2.626	100	3.25	25	20

STRANDED COPPER WIRE

Stranded copper wire is made from multiple fine strands of soft-annealed copper, twisted together in controlled geometry to achieve high flexibility, strong vibration resistance, and stable current transmission. For tinned stranded wire, each strand is evenly coated with a fine layer of tin, allowing easy solder termination, improved oxidation resistance, and consistent contact performance over time.

APPLICATIONS

- Grounding and lightning protection

- Precision devices and connectors
- Electrical and electronic components

- Automotive and motorcycle wiring

- Industrial and robotic cables



QUALITY CERTIFICATION

All stranded copper wires are manufactured under international standards to ensure high conductivity, environmentally safe materials, and globally recognized quality consistency.



TECHNICAL SPECIFICATIONS – STRANDED COPPER WIRE

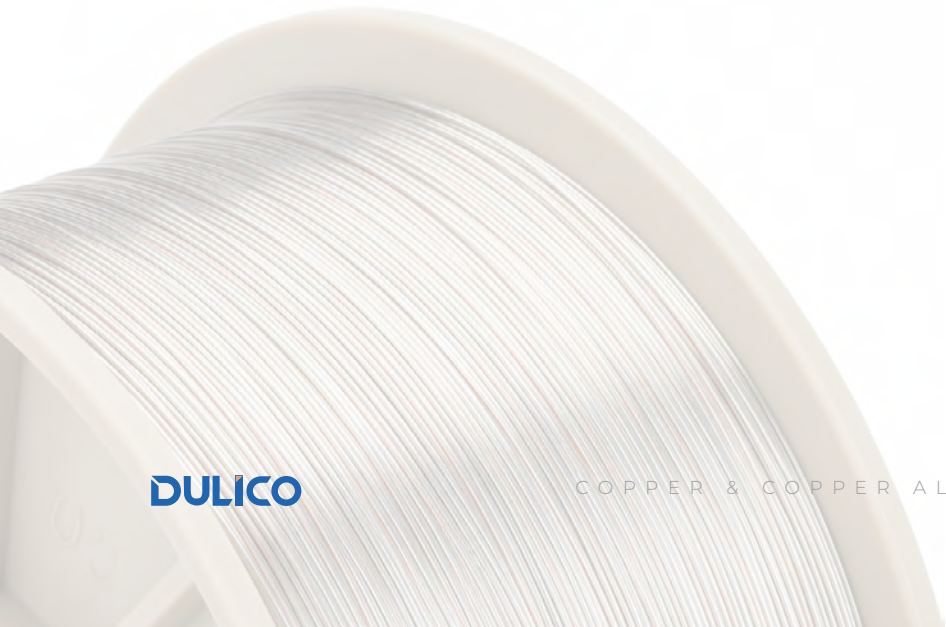
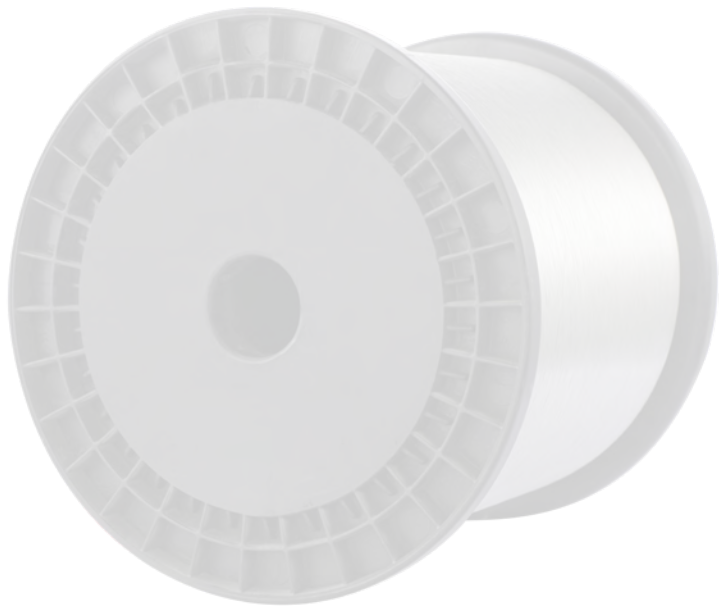
Nominal OD (mm)	OD Tolerance (±mm)	OD Range (mm)	Outer Diameter (mm)	Outer OD Tolerance (±mm)	Conductivity (@20°C %IACS)	Electrical Resistance (@20°C Ω/km)	Lay Direction	Lay Length (mm)	Min. Elongation BC (%)	Min. Elongation TC (%)
7/0.0787	0.003	0.0757-0.0817	0.240	0.03	100	506.60	S	2.5 – 4.5	12	10
7/0.08	0.003	0.077-0.083	0.240	0.03	100	190.30	S	2.5 – 4.5	12	10
7/0.10	0.003	0.097-0.103	0.300	0.03	100	313.80	S	7 – 9	15	10
7/0.120	0.003	0.117-0.123	0.370	0.03	100	217.95	S	8 – 10	15	12
7/0.127	0.003	0.124-0.130	0.388	0.05	100	194.54	S	7 – 9	15	12
7/0.153	0.003	0.150-0.156	0.467	0.05	100	134.10	S	8 – 10	15	12
7/0.156	0.003	0.153-0.159	0.476	0.05	100	128.95	S	11 – 13	15	12
7/0.158	0.003	0.155-0.161	0.482	0.05	100	125.70	S	14 – 16	15	12
7/0.160	0.003	0.157-0.163	0.488	0.05	100	122.57	S	14 – 16	18	15
7/0.175	0.003	0.172-0.178	0.534	0.05	100	102.50	S	13 – 15	18	15
7/0.193	0.003	0.190-0.196	0.589	0.05	100	84.25	S	12 – 14	18	15
7/0.195	0.003	0.192-0.198	0.595	0.05	100	82.55	S	14 – 16	18	15
8/0.176	0.003	0.173-0.179	0.575	0.05	100	88.63	S	40 – 45	18	15
11/0.08	0.003	0.077-0.083	0.306	0.03	100	312.09	S	7 – 9	12	10
11/0.10	0.003	0.097-0.103	0.383	0.03	100	199.70	S	7 – 9	15	12
11/0.160	0.003	0.157-0.163	0.612	0.05	100	78.02	S	12 – 16	18	15
12/0.176	0.003	0.173-0.179	0.704	0.05	100	59.10	S	16 – 18	18	15
15/0.10	0.003	0.097-0.103	0.447	0.05	100	146.50	S	7 – 9	15	12
16/0.08	0.003	0.077-0.083	0.370	0.03	100	214.51	S	4 – 7	12	10
16/0.175	0.003	0.172-0.178	0.808	0.05	100	44.82	S	18 – 20	18	15
16/0.18	0.003	0.177-0.183	0.830	0.05	100	42.38	S	19 – 21	18	15
16/0.20	0.003	0.197-0.203	0.924	0.05	100	34.32	S	22 – 25	18	15
16/0.193	0.003	0.190-0.196	0.900	0.05	100	36.86	S	28 – 32	18	15
17/0.160	0.003	0.157-0.163	0.762	0.05	100	50.48	S	20 – 22	18	15
19/0.054	0.003	0.051-0.057	0.270	0.03	100	396.50	S	6 – 7	12	8
19/0.08	0.003	0.077-0.083	0.403	0.03	100	180.65	S	3.7 – 4.7	12	10

Dây đồng mềm ủ (Soft Annealed Bare Copper Wire) là dây đồng trần (không bọc cách điện, không sơn men) được ủ nhiệt (annealing) để làm mềm vật liệu sau khi kéo sợi.

QUALITY MANAGEMENT

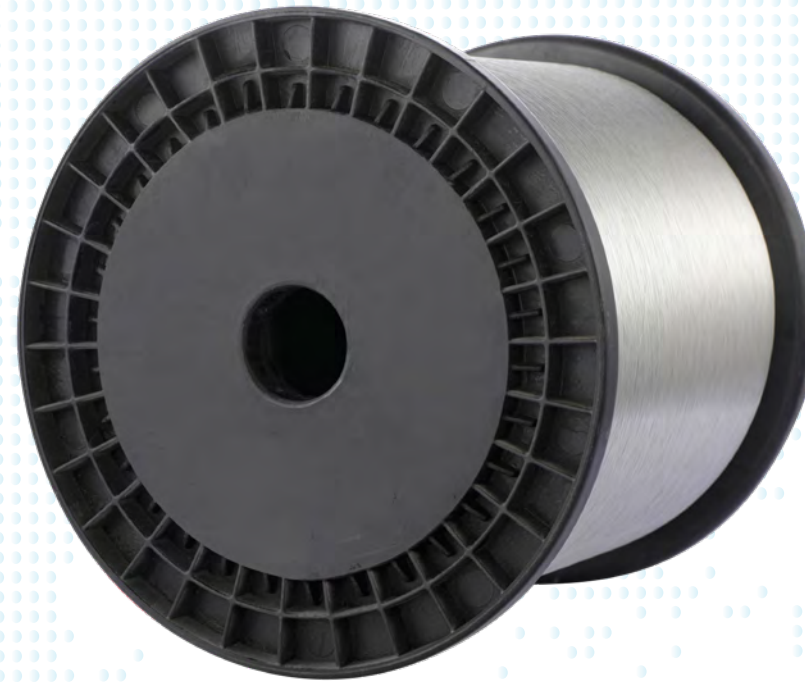
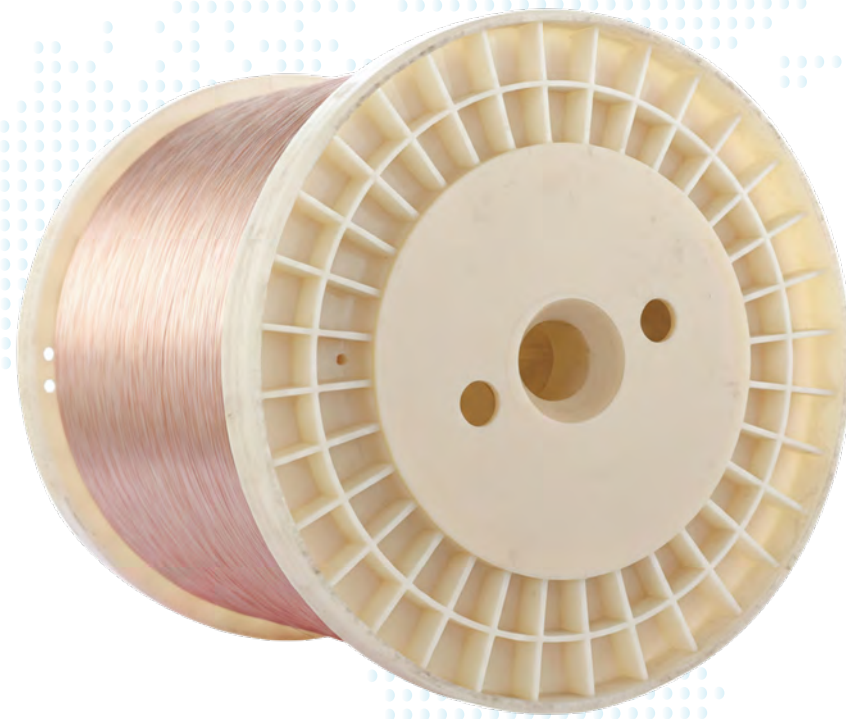
Dulico copper wire products are strictly monitored through multi-level quality control at every stage, from incoming raw material inspection to final product testing, ensuring compliance with global standards for conductivity, ductility, and surface uniformity.

-  IQC (Incoming Quality Control)
-  OQC (Outgoing Quality Control)
-  LQC (Line Quality Control)
-  QA (Quality Assurance)



SOLID & STRANDED COPPER WIRE





WE SINCERELY THANK OUR VALUED CUSTOMERS FOR THEIR TRUST AND SUPPORT.
WE LOOK FORWARD TO LONG-TERM COOPERATION AND MUTUAL SUCCESS.





Head Office & Plant 1: Lot A2, CN7, Tu Liem Industrial Cluster, Xuan Phuong Ward, Hanoi, Vietnam
Plant 2: Lot 37, Quang Minh Industrial Park, Quang Minh Commune, Hanoi, Vietnam



Hotline: +84 24 3 780 5037



Email: info@dulico.vn