

ZARVADIY LLC

Sourcing Partner — China Production

Manufacturer: Xinglu Refrigeration Co., Ltd · Shandong, China

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■■ MADE IN CHINA · Shandong Xinglu Refrigeration Co., Ltd

200,000 t/year · Est. 1995 · 72 countries

| | | | | |
|-----------|------------|-------------|---------------|-----------------|
| ASTM B280 | EN 12735-1 | AS/NZS 1571 | ISO 9001:2015 | FOB / CIF / DAP |
|-----------|------------|-------------|---------------|-----------------|

| | | | | |
|---|---|---|---|--|
| ■ Largest Scale 200,000 t/yr 1995 since | ■ 72 Countries Global export track record | ■ 100% Eddy-Current Every mm tested | ■ Widest Range LWC, IGT, Pancake Insulated, Al-Cu | ■ Price Leader Competitive LME + low premium |
|---|---|---|---|--|

Shandong Xinglu Refrigeration Co., Ltd has been manufacturing precision copper tubes since 1995, now producing over 200,000 tons and 800,000 pair coil sets annually across two factory bases in Shandong and Zhejiang provinces. Products are exported to 72+ countries under ASTM B280, EN 12735-1, and AS/NZS 1571 standards. Zarvadiy LLC is the authorized trading partner for Central Asia and MENA markets.

1 - Level Wound Coil (LWC)

| OD (mm/inch) | Wall (mm) | Temper | Weight (kg) | Packaging | Application |
|--------------|-----------|-----------------|-------------|--------------------|---------------------|
| 3.80 (5/32") | 0.28–0.60 | O50 / O60 / H58 | 90–180 | Bobbin / Cardboard | General engineering |
| 4.76 (3/16") | 0.28–0.81 | O50 / O60 / H58 | 90–180 | Bobbin / Cardboard | Refrigeration |
| 6.35 (1/4") | 0.28–1.07 | O50 / O60 / H58 | 90–130 | Bobbin / Cardboard | AC units, HEX |
| 7.94 (5/16") | 0.28–1.50 | O50 / O60 / H58 | 90–130 | Bobbin / Cardboard | AC units, HEX |
| 9.52 (3/8") | 0.28–1.50 | O50 / O60 / H58 | 90–130 | Bobbin / Cardboard | Refrigeration, HEX |
| 12.70 (1/2") | 0.35–2.00 | O50 / O60 | >180 | Wooden reel | Industrial HVAC |
| 15.88 (5/8") | 0.46–2.00 | O50 / O60 | >180 | Wooden reel | Large HEX |
| 19.05 (3/4") | 0.71–2.00 | O50 / O60 | >180 | Wooden reel | Industrial |
| 22.22 (7/8") | 0.89–2.00 | O50 / O60 | >180 | Wooden reel | Industrial |

Material: Cu 99.90% + Phosphorus 0.015–0.040% (C12200 DHP). 100% Eddy-Current tested. Custom options on request.

2 - Inner Grooved Copper Tube (IGT)

| Spec OD×Wall×Groove (mm) | Total WT | Tooth No. | Helix° | Unit Wt (g/m) | Application |
|--------------------------|----------|-----------|--------|---------------|--------------------|
| 5.00×0.20×0.15 | 0.35 | 40 | 18 | 33 | AC, refrigeration |
| 7.00×0.25×0.20 | 0.43 | 40 | 18 | 57 | HVAC HEX |
| 7.94×0.25×0.18 | 0.43 | 40 | 18 | 65 | VRF systems |
| 7.94×0.26×0.17 | 0.43 | 40 | 18 | 66 | VRF/VRV |
| 9.52×0.27×0.16 | 0.43 | 30 | 18 | 82 | Commercial AC |
| 9.52×0.28×0.12 | 0.40 | 53 | 15 | 80 | Split AC condenser |
| 12.00×0.36×0.25 | 0.61 | 40 | 18 | 140 | Large HEX |
| 12.70×0.40×0.25 | 0.65 | 53 | 18 | 170 | Industrial HEX |

3 - Straight Copper Tube

| Nominal | OD (mm) | Type K wall | Type L wall | Type M wall | Length | Application |
|-------------------|-------------------|--------------|--------------|--------------|---------|------------------|
| 1/4" (9.52mm) | 0.035 (0.89) | — | 0.035 (0.89) | 0.025 (0.64) | 5.8m/6m | HVAC/R, sanitary |
| 3/8" (12.70mm) | 0.500 (12.70) | — | 0.035 (0.89) | 0.025 (0.64) | 5.8m/6m | HVAC/R |
| 1/2" (15.88mm) | 0.625 (15.88) | 0.049 (1.24) | 0.040 (1.02) | — | 5.8m/6m | Plumbing, HVAC |
| 5/8" (19.05mm) | 0.750 (19.05) | — | 0.042 (1.07) | — | 5.8m/6m | Commercial HVAC |
| 3/4" (22.23mm) | 0.875 (22.23) | 0.045 (1.14) | 0.032 (0.81) | — | 5.8m/6m | HVAC mains |
| 1" (28.58mm) | 1.125 (28.58) | 0.065 (1.65) | 0.050 (1.27) | 0.035 (0.89) | 5.8m/6m | Industrial |
| 2" (53.98mm) | 2.125 (53.98) | 0.083 (2.11) | 0.060 (1.52) | 0.049 (1.24) | 5.8m/6m | Industrial pipe |
| 6" (155.58mm) | 6.125 (155.58) | 0.192 (4.88) | 0.140 (3.56) | 0.122 (3.10) | 5.8m/6m | Heavy industrial |

OD range: 9.52–155.58 mm. Wall: 0.64–4.88 mm. Temper: H58 / H55 / O50 / O60. Ends capped, wrapped plastic.

4 - Pancake Copper Tube

| OD (mm) | Wall (mm) | Temper | Coil Length | Packaging | Application |
|--------------|----------------|--------|-------------|-------------------------|------------------------|
| 4.00 | 0.40/0.45/0.50 | O60 | 50–180' | Cardboard box, 15 coils | Plumbing, gas |
| 4.76 (3/16") | 0.30–1.20 | O60 | 50–180' | Cardboard box | AC, refrigeration |
| 6.00 | 0.35–1.00 | O60 | 50–180' | Cardboard box | Water supply |
| 6.35 (1/4") | 0.30–1.20 | O60 | 50–180' | Shrink wrap / box | Split AC, field repair |
| 7.94 (5/16") | 0.30–1.20 | O60 | 50–180' | Shrink wrap / box | HVAC ACR |
| 9.52 (3/8") | 0.30–1.20 | O60 | 50–180' | Shrink wrap / box | AC, gas transport |
| 12.70 (1/2") | 0.30–1.50 | O60 | 50–180' | Shrink wrap / box | Central AC |
| 15.88 (5/8") | 0.35–1.50 | O60 | 50–180' | Shrink wrap / box | Commercial HVAC |
| 19.05 (3/4") | 0.40–1.50 | O60 | 50–180' | Shrink wrap / box | Industrial cooling |
| 22.22 (7/8") | 0.55–1.50 | O60 | 50–180' | Shrink wrap / box | Large systems |

OD: 4–22.22 mm. Wall: 0.30–1.50 mm. Standard: ASTM B280, EN 12735-1, AS/NZS 1571. Individually labeled, capped.

5 - Insulated Copper Pipe (PE / Rubber / Pair Coil)

| Part No. | Cu OD (inch) | Insulation | Cu OD×Wall (mm) | Length | Application |
|----------|--------------|----------------------|------------------------|-------------|-----------------------------|
| XLCW1438 | 1/4 – 3/8 | PE 8×8 | 6.35×0.76 – 9.52×0.81 | 3,4,5..10 m | Domestic split AC |
| XLCW1412 | 1/4 – 1/2 | PE 8×8 | 6.35×0.76 – 12.70×0.81 | 3,4,5..10 m | Split, 2 indoor units |
| XLCW1458 | 1/4 – 5/8 | PE 8×8 | 6.35×0.76 – 15.88×0.89 | 3,4,5..10 m | R410A systems |
| XLCB1438 | 1/4 – 3/8 | Rubber 9/13/19/25 | 6.35×0.81 – 9.52×0.81 | 3,4,5..50 m | High humidity, construction |
| XLCB3858 | 3/8 – 5/8 | Rubber 9/13/19/25 | 9.52×0.81 – 15.88×1.02 | 3,4,5..50 m | VRF/commercial AC |

| Part No. | Cu OD (inch) | Insulation | Cu ODxWall (mm) | Length | Application |
|------------------|--------------|------------|-----------------------|----------------|--------------------------|
| XLCWL1438 (pair) | 1/4 – 3/8 | PE 8x8 | 6.35x0.81 – 9.52x0.81 | 10,15,20..50 m | Pre-paired, fast install |

PE insulation: 3-layer cross-linked closed cell polyethylene. Working temp: -40 to 120°C. R410A/R32/R407C compatible.

6 - Copper Fittings (Solder / Press)

| Type | Size Range | Connection | Standard | Application |
|--------------------|---------------------------|----------------|-----------|--------------------|
| Coupling with stop | 5/16"-8 1/8" | CxC solder | ASTM B280 | Plumbing, HVAC |
| 90° Elbow CxC | 5/16"-8 1/8" + reducers | CxC solder | ASTM B280 | All piping |
| 45° Elbow CxC | 5/16"-6 1/8" | CxC solder | ASTM B280 | All piping |
| Tee CxCxC | 1/4"-8 1/8" | CxC solder | ASTM B280 | Branch connections |
| Reducing Coupling | 3/4x3/8 – 6 1/8x3 1/8 | CxC solder | ASTM B280 | Size transitions |
| Reducing Tee | 3/8x1/4 – 8 1/8x1/4x4 1/8 | CxCxC solder | ASTM B280 | Branch + reduce |
| Male Adapter FTGxF | 3/8x3/8 – 2 5/8x2 1/2 | Flare/threaded | ASTM B280 | Field connection |
| U-Bend | 1 1/8x3 – 2 1/8x5 1/2 | CxC solder | ASTM B280 | Hairpin HEX |
| P-Trap | 5/8" – 2 1/8" | CxC solder | ASTM B280 | Drain lines |

Also available: 90°/45° Street Elbows, Flush Bushings, Female Adapters, Union Brass, Tube Straps, End Caps.

7 - Commercial Terms

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|------------------|---|
| MOQ | 1 metric ton per SKU (mixed container available) |
| Lead Time | 20–30 business days (standard); 15 days for stock items |
| Incoterms | FOB Qingdao / CIF destination / DAP warehouse |
| Payment | 30% advance + 70% against B/L copy (T/T). LC at sight available. |
| Documents | Mill Test Cert · Packing List · Invoice · B/L · ISO 9001 copy on request |
| Pricing | LME copper + fabrication premium. Quotes valid 3 business days. |
| Advantage | Largest product range: LWC, IGT, Straight, Pancake, Insulated (PE/Rubber/Pair), Al-Cu, Fittings |