



Crane Copper Tube

ONE SYSTEM, MANY SOLUTIONS



PairCoil™

Pair Coil

SUPERIOR PAIR COIL QUALITY
AND PERFORMANCE

COPPER TUBING → TUBING SYSTEMS → REFRIGERATION TUBING → PAIR COIL





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Crane Copper Tube Pair Coil is a superior pre-insulated copper tube ideal for rapid, cost effective split air-conditioning installations.

Advanced product quality using unique double layered cross linked closed cell polyethylene foam and stringently cleaned AS1571 copper tube delivers total installer product confidence and reliability.

Superior Quality & Performance

→ **Saves time**

→ **Save money**

→ **Unique insulation:**

The Insulation is a double layered structure made of cross linked foam (30 times) polyethylene with closed cells. The insulation tube is extruded to ensure close tube contact to enhance dew point proofing properties. The insulation is covered with embossed polyethylene film to prevent the foam creasing. The polyethylene film contains UV protection additives built for the harsh Australian conditions.

→ **R410A compliant**

→ **Easy to install**

→ **Bends easily without kinking using
Crane Copper Tube Pair Coil Benders**

→ **Attractive**

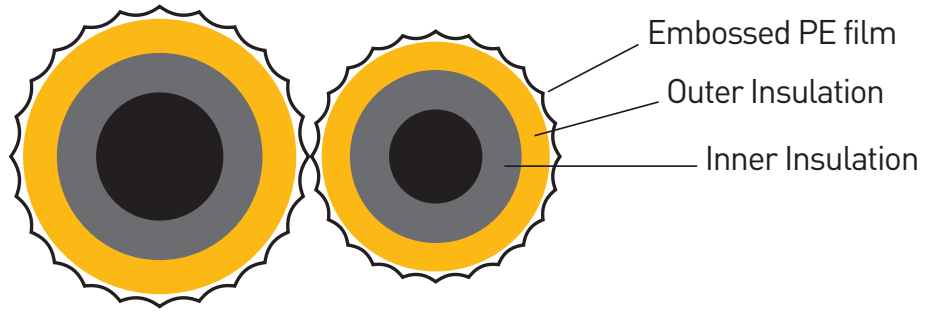
→ **No powder**

→ **No glue**

→ **Convenient packaging**



PairCoil™



Pair Coil Specifications

Crane Item Number	Copper Tube Size		Carton Dimensions (mm)	Length (m)	Coils per carton	Weight per coil (kg)	Weight of carton (kg)	Weight per carton (kg)
	Outer Diameter OD (inches)	OD x Wall Thickness (mm)						
50103431	1/4" - 3/8"	6.35 x 0.8 9.52 x 0.8	550 x 210 x 550	20	1	6.9	1.0	7.9
50103432	1/4" - 1/2"	6.35 x 0.8 12.70 x 0.8	650 x 215 x 650	20	1	8.2	1.3	9.5
50103433	1/4" - 5/8"	6.35 x 0.8 15.88 x 1.0	760 x 215 x 760	20	1	11.2	1.6	12.8
50103434	3/8" - 5/8"	9.52 x 0.8 15.88 x 1.0	760 x 210 x 760	20	1	13.0	1.6	14.6
50103435	3/8" - 3/4"	9.52 x 0.8 19.05 x 1.22	735 x 285 x 735	20	1	16.6	1.8	18.4
50103436	1/2" - 3/4"	12.70 x 0.8 19.05 x 1.22	735 x 285 x 735	20	1	17.8	1.8	19.6

Crane's Copper Tube is R410A compliant.

Insulation Properties

Crane Item Number	OD x Wall Thickness (mm)	Insulation Outer Diameter (mm)	Wall Thickness (mm)	Thermal Conductivity kcal/mhrC	Surface Heat Transfer Coefficient kcal/m ² hrC	Tensile Strength (max.)	Water Absorption	Shrinkage (120+5°C)
50103431	6.35 x 0.8 9.52 x 0.8	24 27	8 8	0.031+0.00011t	7	24.5 [N/cm ²] 2.5 [kgf/cm ²]	0.01 max. g/100cm ²	7% max.
50103432	6.35 x 0.8 12.70 x 0.8	24 34	8 8					
50103433	6.35 x 0.8 15.88 x 1.0	24 37	8 10					
50103434	9.52 x 0.8 15.88 x 1.0	27 37	8 10					
50103435	9.52 x 0.8 19.05 x 1.22	27 41	8 10					
50103436	12.70 x 0.8 19.05 x 1.22	34 41	10 10					

Crane Copper Tube Pair Coil insulation is heat resistant to 120°C

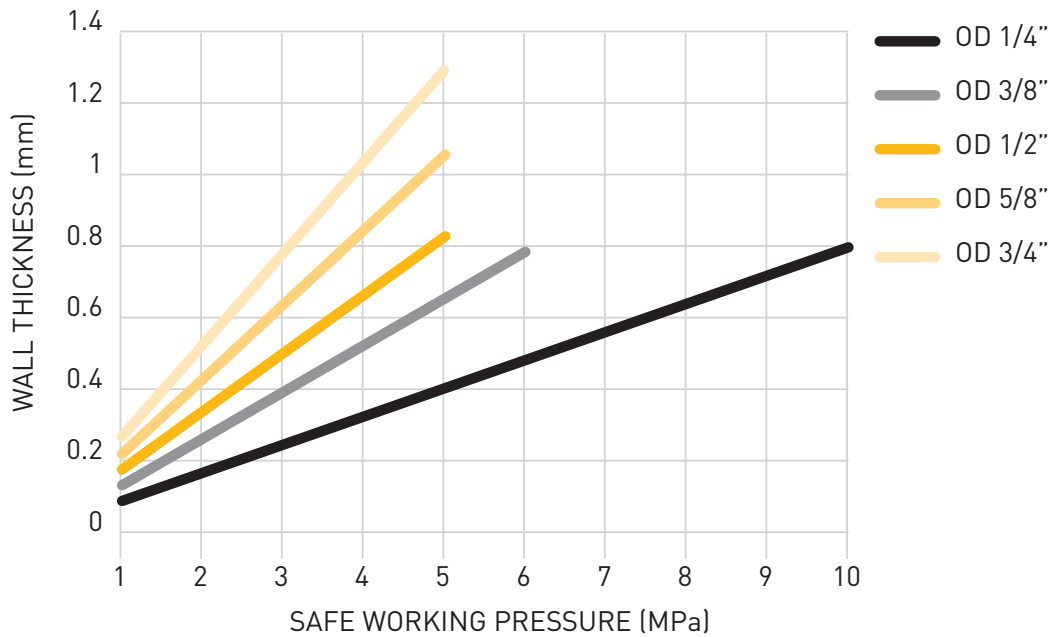
Copper Tube Properties

Item	Chemical Composition			Mechanical Properties		
	Cu	P	Temper	Tensile Strength (kgf/mm ²)	Elongation	Average Grain Size
Phosphorous deoxidised seamless tube	99.90 min	0.015 ~ 0.040	0	21 min	40 minimum	0.025 ~ 0.06

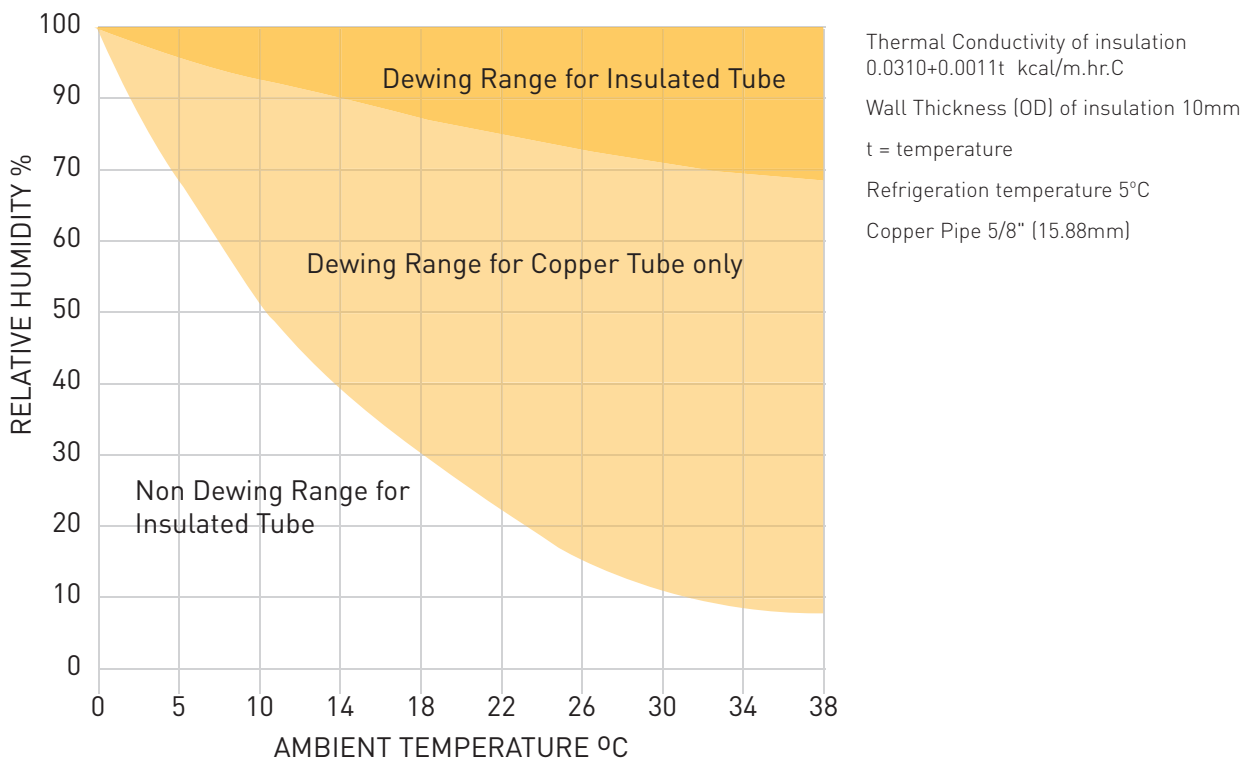
Soft annealed copper tube. Pair Coil Copper Tube is manufactured to AS/NZS1571.

Safe Working Pressure – Wall thickness

Soft/Light annealed. Working Temp 75°C



Dew Point



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Crane Copper Tube

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