

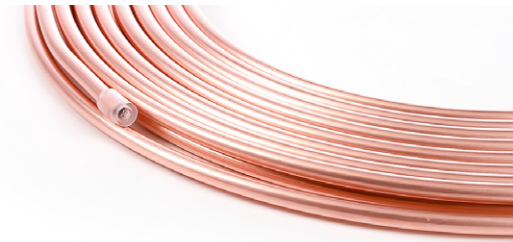
Copper Tube



Copper Coils



ACR Copper Coils



Natural Gas and LPG Copper Tubes



Copper Plumbing Tubes

- Ends capped, in shrinking wrapped bag in cardboard box.

Dimensions (O.D.x thickness) to ASTM B-280	Dimensions(O.D.x thickness) to EN 12735-1	Length for Pancake Coil	
		Inch	m
1/4 (6.35mm)×0.030	6×1	15 / 30 / 50	
5/16 (7.94mm)×0.032	8×1	15 / 30 / 50	
3/8 (9.52mm)×0.032	10×1	15 / 30 / 50	
1/2 (12.7mm)×0.032	12×1	15 / 30 / 50	
5/8 (15.88mm)×0.035	15×1	15 / 30 / 50	
3/4 (19.05mm)×0.035	16×1	15 / 30 / 50	
3/4 (19.05mm)×0.042	18×1	15 / 30 / 50	
7/8 (22.22mm)×0.045	22×1	15 / 30 / 50	

- Ends capped, in shrinking wrapped bag in cardboard box.

Outside Diameter		Wall Thickness		Nominal Weight (kgs)	
Inch	mm	Inch	mm	60 FT	18 Meters
3/8	9.52	0.030	0.76	3.41	3.36
1/2	12.70	0.035	0.89	5.38	5.30
5/8	15.88	0.040	1.02	7.76	7.64
3/4	19.05	0.042	1.07	9.85	9.70
7/8	22.22	0.045	1.14	12.31	12.11

- Phosphorus deoxidized, copper tubes alloy CW024A or Cu-DHP.
- Temper: soft temper, half-hard temper, hard temper.

DN	O.D.	Wall Thickness mm			p/(N/mm2)								
					Hard			Half Hard			Soft		
Inch	mm	K	L	M	K	L	M	K	L	M	K	L	M
1/4	9.52	0.89	0.76	/	1.73	10.75	/	10.10	8.53	/	8.33	7.03	/
3/8	12.7	1.24	0.89	0.64	13.34	9.35	6.56	10.59	7.42	5.21	6.12	6.12	4.29
1/2	15.88	1.24	1.02	0.71	10.49	8.53	5.84	8.33	6.77	4.64	5.58	5.58	3.82
5/8	19.05	1.24	1.07	/	8.65	7.41	/	6.87	5.88	/	4.85	4.85	/
3/4	22.22	1.65	1.14	0.81	9.94	6.74	4.73	7.89	5.35	3.75	4.41	4.41	3.09
1	28.58	1.65	1.27	0.89	7.63	5.81	4.02	6.05	4.61	3.19	3.80	3.80	2.63
1 1/4	34.93	1.65	1.40	1.07	6.19	5.22	3.96	4.91	4.14	3.14	3.41	3.41	2.59
1 1/2	41.28	1.83	1.52	1.24	5.79	4.78	3.88	4.60	3.79	3.08	3.13	3.13	2.54
2	53.98	2.11	1.78	1.47	5.08	4.27	3.51	4.04	3.39	2.78	2.79	2.79	2.29
2 1/2	66.68	2.41	2.03	1.56	4.69	3.93	3.18	3.72	3.12	2.52	2.57	2.57	2.08
3	79.38	2.77	2.29	1.83	4.52	3.72	2.96	3.59	2.95	2.35	2.43	2.43	1.94
3 1/2	92.08	3.05	2.54	2.11	4.29	3.55	2.94	3.40	2.82	2.33	2.32	2.32	1.92
4	105.0	3.40	2.79	2.41	4.20	3.43	2.95	3.33	2.72	2.34	2.24	2.24	1.93
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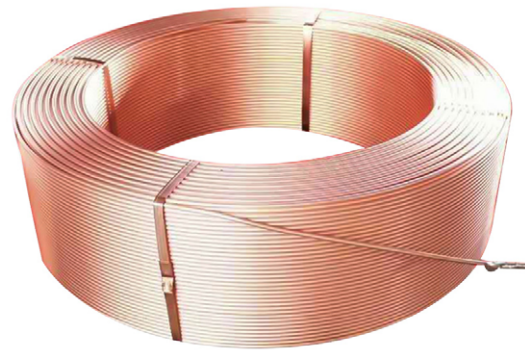
Copper Straight Tubes



ACR Copper Straight Tubes

- Ends capped, in bundles in plastic bag or in wooden box.

Dimensions (O.D.× thickness) to ASTM B-280 Inch	Dimensions(O.D.× thickness) to EN 12735-1 mm	Length m
1-1/8 (28.6mm)×0.050	28×1.5	5 / 5.8
1-3/8 (34.9mm)×0.055	35×1.5	5 / 5.8
1-5/8 (41.3mm)×0.060	42×1.5	5 / 5.8
2-1/8 (54.0mm)×0.070	54×2	5 / 5.8
2-5/8 (66.7mm)×0.080	64×2	5 / 5.8
3-1/8 (79.4mm)×0.090	76.1×2	5 / 5.8
3-5/8 (92.1mm)×0.100	88.9×2	5 / 5.8
4-1/8 (105mm)×0.110	108×2.5	5 / 5.8



Level Wound Coils

- Copper Tubes on Level Wound Coils.

Outside Diameter	Wall Thickness										
Average O.D	0.3	0.35	0.41	0.5	0.6	0.7	0.75	0.8	0.9	1.0	1.2
3/16"	●	●	●	●	●	●	●	●	●	●	
1/4"	●	●	●	●	●	●	●	●	●	●	
5/16"	-	●	●	●	●	●	●	●	●	●	●
3/8"	-	●	●	●	●	●	●	●	●	●	●
1/2"	-	-	●	●	●	●	●	●	●	●	●
5/8"	-	-	-	-	●	●	●	●	●	●	●
3/4"	-	-	-	-	●	●	●	●	●	●	●

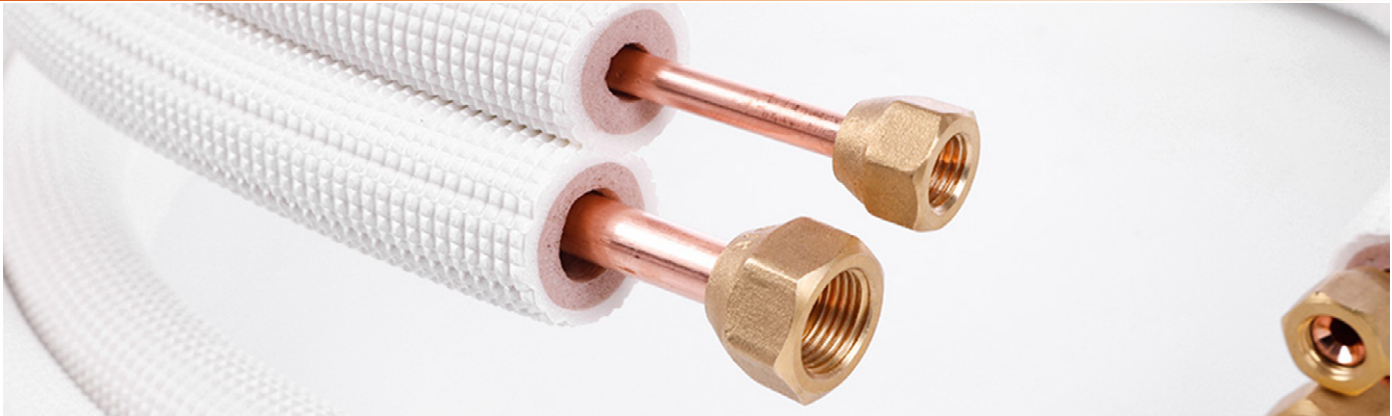
Capillary Tubes



ACR Capillary Tubes

Outside Diameter inch (mm)	Inside Diameter inch (mm)	Mean Wall Thickness inch (mm)	Weight Lb/ft (Kg/m)
0.072 (1.830)	0.026 (0.660)	0.023 (0.584)	0.01373 (0.0204)
0.072 (1.830)	0.028 (0.711)	0.022 (0.558)	0.01340 (0.0199)
0.081 (2.060)	0.031 (0.787)	0.025 (0.635)	0.01705 (0.0254)
0.081 (2.060)	0.033 (0.838)	0.024 (0.606)	0.01666 (0.0248)
0.087 (2.210)	0.036 (0.914)	0.0255 (0.648)	0.01910 (0.0284)
0.087 (2.210)	0.039 (0.991)	0.024 (0.606)	0.01842 (0.0239)
0.093 (2.360)	0.042 (1.070)	0.0255 (0.648)	0.02096 (0.0312)
0.097 (2.470)	0.046 (1.170)	0.0255 (0.648)	0.02221 (0.0331)
0.099 (2.510)	0.049 (1.240)	0.025 (0.635)	0.02253 (0.0335)
0.106 (2.690)	0.054 (1.370)	0.026 (0.660)	0.02533 (0.0377)
0.112 (2.840)	0.059 (1.500)	0.0265 (0.673)	0.02760 (0.0411)
0.125 (3.180)	0.064 (1.630)	0.0305 (0.775)	0.03511 (0.0522)
0.125 (3.180)	0.070 (1.780)	0.0275 (0.698)	0.03266 (0.0486)
0.125 (3.180)	0.075 (1.910)	0.025 (0.635)	0.03054 (0.0454)
0.145 (3.680)	0.080 (2.030)	0.0325 (0.826)	0.04453 (0.0663)
0.145 (3.680)	0.085 (2.160)	0.030 (0.762)	0.04202 (0.0625)
0.145 (3.680)	0.090 (2.290)	0.0275 (0.698)	0.03936 (0.0586)
0.160 (4.060)	0.100 (2.540)	0.030 (0.762)	0.04750 (0.0707)
0.160 (4.060)	0.110 (2.790)	0.025 (0.635)	0.04111 (0.0611)

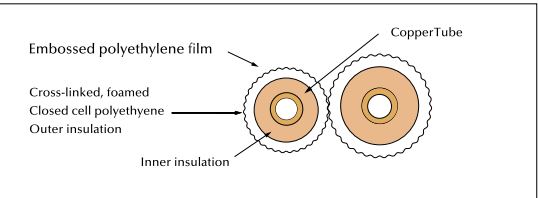
Insulated Copper Tube



Single Coil & Pair Coil

- Inside cleaned copper tubes for refrigerant gas and closed at the extremities.
- Phosphorus deoxidized soft temper copper pipe DHP99.9 (C12200).
- Dimensions and features according to ASTM B280, EN 12735-1, AS1571, JIS 3300.

Type	Copper Tube Size Diameter × Thickness	Length (m)	Ending
Single Coil	1/4"×0.8mm	3m, 4m,20m, or on request	Brass nuts or cap.
Single Coil	3/8"×0.8mm		
Single Coil	1/2"×0.8mm		
Single Coil	5/8"×1.0mm		
Single Coil	3/4"×1.0mm		
Pair Coil	1/4"×0.8mm-3/8"×0.8mm		
Pair Coil	1/4"×0.8mm-1/2"×0.8mm		
Pair Coil	1/4"×0.8mm-5/8"×1.0mm		
Pair Coil	3/8"×0.8mm-1/2"×0.8mm		
Pair Coil	3/8"×0.8mm-5/8"×1.0mm		
Pair Coil	3/8"×0.8mm-3/4"×1.0mm		
Pair Coil	1/2"×0.8mm-3/4"×1.0mm		



- Extruded and closed cell white polyethylene with a white outside PE-protection layer.

Thermal Conductivity (average temp. 20 °C Kcal/mh °C)	Tensile Strenght N/cm²	Water Absorption g/100cm²	Max. Temp. of Heat Resistant
≤0.037	≥24.5	≤0.01	120 °C



Accessories

- The accessories consist of necessary components that for the application of air conditioners installation.
- The insulated copper tubes and accessories are packed in individual carton box.



Line Set

Rubber Insulation Properties

- Extruded and closed cell synthetic rubber with external protection.
Density (KG/M3): 70-90
Thermal Conductivity: -20°C 0°C 40°C
(W/(M.K)): 0.031 0.034 0.038
- Working temperature from -50 °C until +110°C (Flat surfaces+85°C)
Reaction to fire: self-extinguishing GB 8624B1 (OXYGEN INDEX > 34%), non-flammable
Vapour resistance: μ > 4500

Insulated Copper Aluminium Pipe



Insulated Copper Aluminium Connecting Pipe

- Welding point: no pores/cracks/burrs/burn through, unfused, no oxidized.
- Air tightness: using high pressure package 4.0MPa pressure for 5 minutes, no leakage.
- Pressure resistance: in the air tightness test, slow pressurization to 13MPa for 1 minute, without any crack.
- Bending: Bend the sample into the bending center to pipe nominal diameter 2 times, no wrinkle and crack after 180 degree bending.
- Tensile strength: tensile strength in 65-118MPa, the broken part is on aluminium pipe, and the distance from the welding place is more than 10mm.

Specification	Insulation pipe specifications (mm)	Copper length (mm)	Connecting pipe length
1/4" (φ6.35mm)	φ8	≥120	As needed
3/8" (φ9.52mm)	φ12	≥120	As needed
1/2" (φ12.70mm)	φ14	≥120	As needed
5/8" (φ15.88mm)	φ18	≥120	As needed
3/4" (φ19.05mm)	φ22	≥120	As needed

PVC Coated Copper Tube



PVC Coated Copper Tube

PVC coated copper tubes & copper coils designed for protection against aggressive environment and color coded to aid identification. Copper tube with a PVC sheath may be an effective method of protection against attack in harsh operating conditions. The PVC is tightly extruded onto the tube and is available in black, white, blue, yellow, green and other colors according to customer requirements.

Application:
LPG Gas Kits, Oil & Gas Industries, Instrumentation Industries, Plumbing & Drainage

Item No.	Specifications (mm)
PCT 0810	8*1
PCT 0812	8*1.2
PCT 1010	10*1
PCT 1212	12*1.2
PCT 1215	12*1.5
PCT 1610	16*1
PCT 1810	18*1