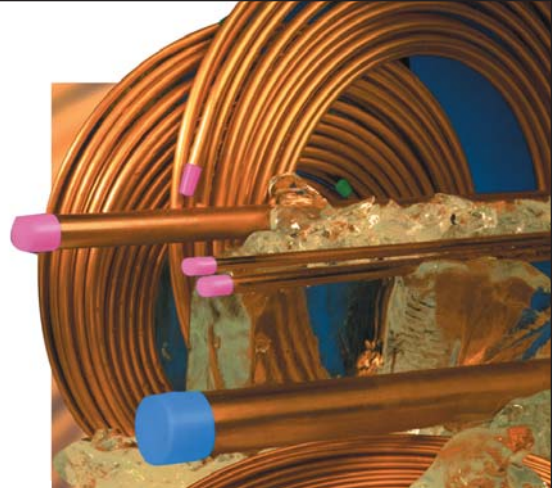


KEMBLA

AIRCONDITIONING AND REFRIGERATION TUBE



Kembla seamless copper tube for airconditioning, refrigeration, medical gas and mechanical services

Full range of high pressure refrigerant tube available



BENEFITS:

Product Range:

The full range of hard drawn and half hard straight lengths, and annealed coils (shown overleaf) is stocked in each state for prompt delivery.

Suitable for low and high pressure refrigerants:

Tube wall thickness will determine which refrigerant is suitable, depending upon temperature range. Pink capped tube has been specifically designed, cleaned and capped to meet the requirements of R410A airconditioning and refrigeration applications, however can also be installed for use with R22, R134a and other lower pressure refrigerants.

See table overleaf for products suitable for high pressure refrigerants.

Half hard for easy bending:

Half hard tube can be bent using bending tools without applying additional heat.

Fittings Available:

A full range of refrigeration fittings is available to suit Kembla copper refrigeration tube, including fittings suitable for high pressure refrigerants. Refer to Kembla Technical Bulletin D 49/05



FEATURES:

Cleaned and Capped:

Kembla's seamless copper tubes are manufactured to the stringent cleanliness requirements of AS/NZS 1571.

Wide range of joining methods:

Copper tubes and fittings can be successfully joined by silver brazing or flaring provided best practice and correct tools are utilised.



INSTALLATION:

Silver brazing

Silver brazing shall be carried out by professional tradespersons using brazing principles and safety procedures in accordance with the methodology recommended in AS HB40.

High Pressure Refrigerants

The use of 15% silver solder is recommended when brazing tube for use with R410A or other high pressure refrigerants with a proprietary silver brazing flux, ensuring the removal of excess flux after completing the brazed joint.

Tube Wall Thickness

The minimum allowable copper tube wall thickness for use with R410A and other high pressure refrigerants shall be 0.81mm as per equipment manufacturer's requirements.

RECOMMENDED FOR

- Air conditioning
- Refrigeration
- Mechanical Services
- Medical Gas Lines



Quality
Endorsed
Company
ISO 9001 Lic 0002/01
SAI Global

Technical Bulletin No.D40/05

Gloucester Boulevard,
PO Box 21, Port Kembla NSW 2505
T: 1800 804 631
F: 1800 817 846
E: tubesales@kembla.com.au
www.kembla.com.au
ABN 13 003 762 641



Actual tube size				Safe Working Pressure (kPa)						Form				
OD (inches)	OD (mm)	Wall Thickness (mm)	Nominal tube mass (kg/6m)	Service Temperature (°C)						Annealed coils (m)	T Code	Straight Lengths (6m)	T Code 6.0 m	T Code 5.8 m
				50	55	60	65	70	75					
3/16"	4.76	0.71	0.48	12715	12280	11845	11410	10980	10545	30	T32263			
1/4"	6.35	0.71	0.68	9175	8860	8550	8235	7920	7610	15	T59423			
	6.35	0.81	0.76	10635	10270	9910	9545	9180	8820	30	T74634	✓	T51435	
	6.35	0.91	0.83	12140	11730	11315	10900	10485	10070	30	T32336	✓	T92029	
5/16"	7.94	0.81	0.97	8290	8005	7725	7440	7160	6875	30	T32522			
	7.94	0.91	1.08	9430	9110	8790	8465	8145	7820	30	T32522			
3/8"	9.52	0.71	1.05	5900	5700	5495	5295	5095	4895	15	T32780			
	9.52	0.81	1.19	6800	6570	6335	6105	5870	5640	18	T55743	✓	T77112	T77111
	9.52	0.91	1.32	7720	7455	7190	6930	6665	6400	18	T32662	✓	T56847	
1/2"	12.70	0.71	1.44	4345	4195	4050	3900	3750	3605	15	T33007			
	12.70	0.81	1.62	4995	4825	4655	4480	4310	4140	18	T54133	✓✓	T10287	T10286
	12.70	0.91	1.81	5655	5460	5270	5075	4880	4685	18	T32930	✓✓	T22527	
5/8"	15.88	0.81	2.06	3945	3810	3675	3540	3405	3270	15	T52078			
	15.88	0.91	2.30	4460	4310	4155	4000	3850	3700	18	T33090	✓✓	T24937	T24938
	15.88	1.02	2.56	5030	4860	4690	4515	4345	4170	18	T16850	✓✓	T16870	T16871
3/4"	19.05	0.91	2.78	3600	3475	3355	3230	3110	2985	15	T33296	✓✓	T88072	T88073
	19.05	1.02	3.10	4150	4010	3870	3725	3585	3445			✓✓	T24813	
	19.05	1.14	3.44	4670	4510	4350	4190	4030	3870	18	T16857	✓	T16855	T16856
7/8"	22.22	0.91	3.27	3140	3030	2925	2815	2710	2600	18	T76198	✓✓	T13862	T13864
	22.22	1.22	4.32	4265	4120	3970	3830	3680	3535			✓	T64173	
	22.22	1.40	4.91	4930	4760	4595	4425	4255	4090			✓	T16860	
	22.22	1.63	5.66	5795	5600	5400	5205	5005	4805			✓	T23515	
1"	25.40	0.91	3.76	2730	2640	2545	2450	2360	2265			✓	T60658	T60659
	25.40	1.22	4.97	3705	3580	3450	3325	3200	3070			✓	T91952	T91953
	25.40	1.63	6.53	5025	4855	4685	4510	4340	4170			✓	T79850	T79846
1 1/8"	28.58	0.91	4.25	2420	2335	2255	2170	2090	2005			✓	T73971	T73973
	28.58	1.22	5.63	3275	3165	3050	2940	2830	2715			✓	T91961	T91963
	28.58	1.63	7.41	4435	4285	4135	3980	3830	3680			✓	T14559	
	28.58	1.83	8.25	5015	4845	4670	4500	4330	4160			✓	T14569	T14570
1 1/4"	31.75	0.91	4.73	2170	2095	2025	1950	1875	1800			✓	T22039	T22040
	31.75	1.22	6.28	2935	2835	2735	2635	2535	2435			✓	T91979	
	31.75	2.03	10.17	5005	4835	4665	4495	4325	4150			✓	T21820	
1 3/8"	34.92	0.91	5.22	1970	1900	1835	1770	1700	1635			✓	T15237	T15239
	34.92	1.22	6.93	2660	2570	2480	2390	2300	2210			✓	T91987	T91989
	34.92	2.03	11.26	4525	4370	4220	4065	3910	3755			✓	T75980	T75981
1 1/2"	38.10	1.22	7.59	2435	2350	2265	2185	2100	2020			✓	T91995	T91996
	38.10	2.29	13.83	4690	4530	4370	4210	4050	3890			✓		
1 5/8"	41.28	0.91	6.19	1660	1605	1545	1490	1435	1375			✓	T32921	T32923
	41.28	1.22	8.24	2240	2165	2090	2010	1935	1860			✓	T91791	T91793
	41.28	2.41	15.79	4550	4390	4235	4080	3925	3770			✓	T16865	T16866
2"	50.80	1.22	10.20	1810	1750	1690	1625	1565	1500			✓	T94943	
2 1/8"	53.98	0.91	8.14	1265	1220	1175	1135	1090	1050			✓	T78166	T78167
	53.98	1.22	10.85	1705	1645	1585	1530	1470	1410			✓	T94960	T94961
	53.98	1.63	14.39	2290	2215	2135	2055	1980	1900			✓	T94951	
2 5/8"	66.68	1.22	13.46	1375	1325	1280	1230	1185	1140			✓	T31976	T31978
	66.68	1.63	17.88	1845	1780	1720	1655	1595	1530			✓	T75566	
	66.68	2.03	22.13	2310	2230	2150	2075	1995	1915			✓	T68980	
3"	76.20	1.63	20.49	1610	1555	1500	1445	1390	1335			✓	T88013	
4"	101.60	1.63	27.47	1200	1160	1120	1080	1035	995			✓	T20923	T20924
4 1/8"	104.78	2.79	47.98	2015	1945	1875	1805	1740	1670			✓		

R410A High Pressure compatible
✓✓ Half Hard Temper
✓ Hard Temper