

PREMIUM  
PRE-INSULATED  
ANNEALED  
COPPER PAIRCOIL



## USAGE

- Fire rating
- Thermal insulation
- Split system air conditioners
- All sizes suitable for R410A refrigerant
- Condensation prevention

## FIRE RETARDANT PAIRCOIL

**A fast and easy solution that meets Australian building code requirements.**

- Meets Building Code of Australia fire safety regulations.
- Premium quality Australian Copper from Kembla with over 95 years manufacturing experience in Australia.
- Nitrile rubber foam is "Green Building" compliant.
- Available in 13mm and our new 19mm profile specifically designed to prevent condensation in high humidity areas.
- Easy installation. No glue, tape or messy powder.
- 18-20m rolls of pre-insulated copper paircoils allows you to install your pipework in less than half the time of conventional methods.
- New improved profile developed for easy splitting during insulation.
- Backed by MM Kembla's reputation for quality, service and customer care.

# PairCoilMAX™

## PHYSICAL DIMENSIONS

Kembla product code	Copper tube outside diameter x wall thickness (mm)	Copper tube outside diameter (inches)	R-Values	Paircoil length (m)	Total pack weight (kg)	Carton dimensions (cm)	Cartons per pallet
<b>13mm</b>							
G99615	6.35 x 0.81 - 9.52 x 0.81	1/4 - 3/8	0.6	20	11.36	73 x 18 x 75	8
G99625	6.35 x 0.81 - 12.72 x 0.81	1/4 - 1/2	0.6	20	13.00	73 x 18 x 75	8
G99635	6.35 x 0.81 - 15.88 x 1.02	1/4 - 5/8	0.6	20	16.58	77 x 23 x 79	6
G99655	9.52 x 0.81 - 15.88 x 1.02	3/8 - 5/8	0.6	20	18.22	77 x 23 x 79	6
<b>19mm</b>							
G99715	6.35 x 0.81 - 9.52 x 0.81	1/4 - 3/8	1.1	18	12.90	86 x 23 x 88	6
G99725	6.35 x 0.81 - 12.72 x 0.81	1/4 - 1/2	1.0	18	14.38	86 x 23 x 88	6
G99735	6.35 x 0.81 - 15.88 x 1.02	1/4 - 5/8	0.9	18	18.05	101 x 23 x 103	5
G99755	9.52 x 0.81 - 15.88 x 1.02	3/8 - 5/8	0.9	18	19.52	101 x 23 x 103	5
G99765	9.52 x 0.81 - 19.05 x 1.14	3/8 - 3/4	0.9	18	23.09	101 x 23 x 103	5

## COPPER TUBE SAFEWORKING PRESSURE (kPa)

Copper Tube Dimensions Metric (mm)	SWP (kPa)		
	@50°C	@65°C	@75°C
6.35 x 0.81	10,635	9,545	8,820
9.52 x 0.81	6,800	6,105	5,640
12.70 x 0.81	4,995	4,480	4,140
15.88 x 1.02	5,030	4,515	4,170
19.05 x 1.14	4,697	4,181	3,895

## INSULATION PROPERTIES

<b>Material</b>	Highly flexible 13mm and 19mm paired tubular closed cell elastomeric nitrile rubber foam
<b>Thermal Conductivity</b>	0.036 W/m.K at 23°C
<b>Water Absorption</b>	0.0029 g/100cm <sup>2</sup>
<b>Vapour Barrier</b>	>4,500μ
<b>Mildew Resistance</b>	No fungal growth
<b>Working Temperature</b>	-50°C - +105°C Range

## BCA COMPLIANCE

### Fire Hazard Properties

Meets the requirements of Specification C1.10-7 "Fire Hazard Properties" (BCA Vol 1, 2011 p155). Tested in accordance with the Requirements of AS1530.3:1999.

Spread of Flame Index 0  
Smoke Development Index 3

### Pipe Insulation

Meets the requirements of insulation material in accordance with AS/NZS 4859.1.

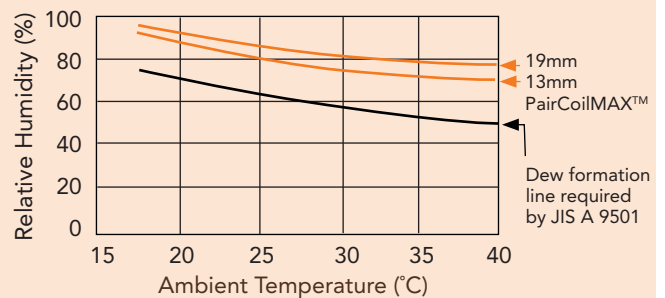
The requirements for Insulation on pipes as outlined in Specification J5.4 (BCA Vol 1, 2011 p 454-6) and Part 3.12.5 (BCA Vol 2, 291, p480-1).

The BCA 2011 requires only total material R-Values be used. For R-Values greater than R1.1 contact our customer service centre to discuss your specific project requirements.

### Copper

Manufactured to AS/NZS1571. Recommended maximum operating temperature is 65°C and in accordance with AS1677. A/C manufacturer's operating and installation instructions should be consulted.

## DEW POINT GRAPH



## ENVIRONMENTAL CREDENTIALS

<b>Copper Tube</b>	Copper is 99.9% pure copper and 100% recyclable. Specified for high pressure, low ozone depletion refrigerant gases.
<b>Foam Insulation</b>	Zero Ozone Depleting Potential Zero Global warming Potential Low VOC Low VOC Adhesives Complies with "Emi-9 Insulant ODP" as specified in the Green Star Technical Manuals, published by the Green Building Council of Australia.

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PAIRCOIL



## USAGE

- Split system air conditioners
- All sizes suitable for R410A refrigerant
- Condensation prevention

## STANDARD PAIRCOIL

**With a tough exterior surface  
for easy installation.**

- Premium quality Australian Copper from Kembla with over 95 years manufacturing experience in Australia.
- Easy installation. No glue, tape or messy powder.
- 20m rolls of pre-insulated copper paircoils allows you to install your pipework in less than half the time of conventional methods.
- UV protection.
- Resistance to abrasion and wear and tear.
- Can be pushed through tight spaces without being caught or torn.
- Backed by MM Kembla's reputation for quality, service and customer care.

# PairCoil

## PHYSICAL DIMENSIONS

Kembla product code	Copper tube outside diameter x wall thickness (mm)	Copper tube outside diameter (inches)	R-Values	Paircoil length (m)	Total pack weight (kg)	Carton dimensions (cm)	Cartons per pallet
G99515	6.35 x 0.81 - 9.52 x 0.81	1/4 - 3/8	0.2	20	8.19	59 x 18 x 61	24
G99525	6.35 x 0.81 - 12.72 x 0.81	1/4 - 1/2	0.2	20	9.92	65 x 18 x 67	24
G99535	6.35 x 0.81 - 15.88 x 1.02	1/4 - 5/8	0.2	20	13.37	73 x 18 x 75	8
G99555	9.52 x 0.81 - 15.88 x 1.02	3/8 - 5/8	0.2	20	15.12	77 x 23 x 79	6
G99565	9.52 x 0.81 - 19.05 x 1.14	3/8 - 3/4	0.2	20	18.30	80 x 23 x 82	6

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12.70 x 0.81	4,995	4,480	4,140
15.88 x 1.02	5,030	4,515	4,170
19.05 x 1.14	4,697	4,181	3,895

## INSULATION PROPERTIES

<b>Material</b>	Highly flexible paired, cross linked, closed cell polyethylene
<b>Thermal Conductivity</b>	0.037 W/m.K at 20°C
<b>Tensile Strength</b>	34.2 (3.49)min N/cm <sup>2</sup> (kgf/cm <sup>2</sup> )
<b>Water Absorption</b>	0.0076 max g/100cm <sup>2</sup>
<b>Thickness Shrinkage (%)</b>	5% max @(120 ± 5°C)
<b>Coefficient of moisture permeability</b>	10 (0.005) max (per 25mm in thickness) ng/m <sup>2</sup> •s•Pa (g/m <sup>2</sup> •h•mmHg)
<b>Working Temperature</b>	Up to 120°C

## BCA COMPLIANCE

### Pipe Insulation

Meets the requirements of insulation material in accordance with AS/NZS 4859.1.

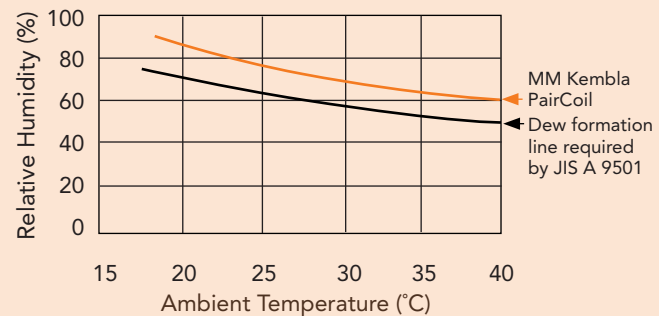
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## DEW POINT GRAPH



## INSTALLATION

- Kembla PairCoil copper tube is recommended to be flare jointed. If brazing is necessary, all safety precautions should apply. Refer to installation instruction included with each Kembla PairCoil carton.
- If tight bending is required, the insulation can be cut back to accommodate a tube bender. Alternatively a length of polyethylene tube can be inserted to prevent kinking.



CAUTION: Product data, design details, performance figures, advice and other information given herein (the "Information") is provided only as a guide to available information. MM Kembla does not accept any liability whatsoever (including arising from negligence) for the accuracy of the Information and for injuries, expense or loss, which may arise as a result of the use of the Information by the recipient.

**For further information:** Refer to the current edition of The Plumbers Handbook available through your MM Kembla representative or contact Customer Service on 1800 804 631.

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