

PAIR COIL



Freddox's pre-insulated copper pipe is designed to increase the ease of installation, eliminating the requirement to insulate on site. The Freddox pair coil foam insulation is heat resistant to 120°C. Primary applications include domestic and commercial air conditioning systems.

Features

- A quality product specifically manufactured to AS/NZS 1571 Copper – Seamless Tubes for Air-Conditioning and Refrigeration code for chemical composition, hardness, grain size and manufacturing tolerances
- Easy to feed through the wall cavity and install with a film coating on the insulation
- Tough and durable three layered insulation providing enhanced vapour seal and easy installation
- Suitable for all refrigerants including R410A and R32
- Copper Tube Specifications AS/NZS 1571
- Chemical composition copper 99.90% min, Phosphorus 0.015% min. - 0.040% max.
- Temper Grade: O temper / Vickers Hardness 75 HV max



TECHNICAL DATA

Insulation Properties

PROPERTY	UNIT OF MEASURE	VALUE
Thermal Conductivity (ASTM C518)	W/m.K	0.037 @20°C
Tensile Strength	N/cm2 (kgf/cm2)	48 (4.9)
Water Absorption	g/100cm2	0.07 max
Thickness Shrinkage	% @ 120(+/- 5°C)	3.4

*Material – cross linked polyethylene foam enclosed by embossed polyethylene film

PAIR COIL INSULATION - DEW POINT LIMIT

Ambient Temp (°C)	20	25
Max. Ambient Humidity (%)	84%	76%

Range

PART NUMBER	INSULATION THICKNESS (mm)	COPPER TUBE O.D (in)	COPPER TUBE O.D X WALL THICKNESS (mm)	LENGTH (M)
PC06350952	8 x 8	1/4 - 3/8	6.35 x 0.71 - 9.52 x 0.81	20
PC06351270	8 x 10	1/4 - 1/2	6.35 x 0.71 - 12.70 x 0.81	20
PC06351588	8 x 10	1/4 - 5/8	6.35 x 0.71 - 15.88 x 1.02	20
PC09521588	8 x 10	3/8 - 5/8	9.52 x 0.81 - 15.88 x 1.02	20
PC09521905	8 x 10	3/8 - 3/4	9.52 x 0.81 - 19.05 x 1.14	20

Note: Freddox pair coil is not fire retardant, for applications that require a fire-retardant pair coil use Freddox Fire Retardant Pair Coil.

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