

FIRE RETARDANT PAIR COIL



R32 & R410A Rated

Conforms to AS/NZS1571 Copper – Seamless R32 & R410A Rated tube for Air Conditioning and Refrigeration.

Compliant with AS1530.3:1999.

Standard testing procedure for fire tests on building materials, components and structures. Includes simultaneous determination of ignitability, flame propagation, heat release and smoke release.

Features

Saves Time and Money

Installation using pre-insulated pair coils reduces fitting time and gives a neater more durable finish.

High Quality Durable Insulation

Manufactured from cross linked closed cell polyethylene with embossed polyethylene exterior for improved durability.

Make Installation Easy

The insulated coating is durable and more resistant to abrasions than traditional materials. It is easier to install in tight spaces and reduces install time as the insulation doesn't need to be measured, cut and threaded on as a separate job. Also, no glue, tapes or messy powder and no sealing joints every two metres saves you time.

Jointing Information

Pair Coil Copper Tube is recommended to be flare jointed.

Easy Transport and Storage

The 18 metre coils are supplied with pink plastic end caps in rugged cardboard boxes for protection and storage. Sizing info is prominently displayed on boxes.

Bending

If tight bending is required the insulation can be carefully cut back to fit the pipe bender and then replaced and glued or taped.

TECHNICAL DATA

PHYSICAL PROPERTIES

Part Number	Insulation Thickness (mm)	Copper Tube O.D. (in)	Copper Tube O.D. x Wall Thickness (mm)	Length (m)	R-Values (m2.K/W) (@20°C)	R-Values (m2.K/W) (@0°C)
FRPC06350952-13	13	1/4 - 3/8	6.35 x 0.81 - 9.52 x 0.81	18	0.7-0.7	0.8-0.7
FRPC06351270-13	13	1/4 - 1/2	6.35 x 0.81 - 12.70 x 0.81	18	0.7-0.6	0.8-0.7
FRPC06351588-13	13	1/4 - 5/8	6.35 x 0.81 - 15.88 x 1.02	18	0.7-0.6	0.8-0.6
FRPC09521588-13	13	3/8 - 5/8	9.52 x 0.81 - 15.88 x 1.02	18	0.7-0.6	0.7-0.6
FRPC09521905-13	13	3/8 - 3/4	9.52 x 0.81 - 19.05 x 1.14	18	0.7-0.6	0.7-0.6
FRPC06350952-19	19	1/4 - 3/8	6.35 x 0.81 - 9.52 x 0.81	18	1.2-1.1	1.3-1.2
FRPC06351270-19	19	1/4 - 1/2	6.35 x 0.81 - 12.70 x 0.81	18	1.2-1.0	1.3-1.1
FRPC06351588-19	19	1/4 - 5/8	6.35 x 0.81 - 15.88 x 1.02	18	1.2-1.0	1.3-1.0
FRPC09521588-19	19	3/8 - 5/8	9.52 x 0.81 - 15.88 x 1.02	18	1.1-1.0	1.2-1.0
FRPC09521905-19	19	3/8 - 3/4	9.52 x 0.81 - 19.05 x 1.14	18	1.1-0.9	1.2-1.0

COPPER PROPERTIES

Copper Tube Dimensions Metric (mm)	Safe Working Pressure at 65°C (kPa)
6.35 x 0.81	8,100
9.52 x 0.81	5,930
12.70 x 0.81	4,700
15.88 x 1.02	4,500
19.05 x 1.14	4,181

INSULATION CHARACTERISTICS

Property	Specification	
Material	Paired tubular closed cell elastomeric insulation (black nitrile)	
Thermal conductivity	0.033 W/m.K at 23°C AS 4859.1:2002	
Water Absorption	0.0029 g/100cm ²	
Vapour Barrier	12000μ	
Mildew Resistance	No fungal growth ASTM C1338	
Working Temperature	-50°C to +110°C	
Foam Insulation	Ozone Depleting Potential (complies with requirements of Green Building Council of Australia - HCFC / CFC free)	Zero
	Global Warming Potential	Zero
	Volatile Organic Compound VOC Adhesives	Low

COPPER CHARACTERISTICS

Copper Pipe (mm)	Specification	Results
Copper Tube	Copper	99.9% Pure Copper
		100% Recyclable
Copper	Manufactured to AS/NZS 1571	Complies
	Maximum operating temperature (recommended in accordance with AS 1677 & AS 5149)	65°C

BUILDING CODE OF COMPLIANCE

Property	Specification	Results
Fire Hazard Properties	Tested in accordance with AS/NZS 15.30.3:1999 Refer abcb.gov.au (BCA Vol 1)	Complies
	Spread of flame index	0
	Smoke Development Index	5
Pipe Insulation Refer Specifications	Meets requirements of insulation material in accordance with AS/NZS 4859.1:2000	Complies
	Refer specification J5 (BCA Vol 1) and (BCA Vol 2)- Insulation on pipes	

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