



## Pre Insulated Paired Copper Coil

### Paired Coil Sizes



Galco Part #	Supply Code	Copper O.D Size (Imperial )	Copper O.D Size (mm )	Pipe O.D X wall thickness (mm)	Coil Length ( Metres)
1438	2320	1/4" - 3/8"	6.35 - 9.52	1/4" x .80mm - 3/8" x .80mm	20
1412	2420	1/4" - 1/2"	6.35 - 12.7	1/4" x .80mm - 1/2" x .80mm	20
1458	2520	1/4" - 5/8"	6.35 - 15.88	1/4" x .80mm - 5/8" x 1.00mm	20
3858	3520	3/8" - 5/8"	9.52 - 15.88	3/8" x .80mm - 5/8" x 1.00mm	20
3834	3620	3/8" - 3/4"	9.52 - 19.05	3/8" x .80mm - 3/4" x 1.00mm	20

### Specification Detail

#### Quality Copper

- The copper tube is soft annealed and is to JIS H3300 C1220T standard & AS.NZ 1571
- Suitable for R22 - 410A - 407C - 404A - 507A Refrigerant gases
- All tubes supplied with " Pink" capped ends .

#### Insulation

- Tube insulation is foamed closed cell polyethylene and the outer shield is an embossed P.E film . UV stabilised and has a temperature range of -80 to +120 degrees Celsius. ( see overleaf for more details)
- Distance marked on insulation making measuring out easier and minimising waste.

#### Easy to Install

- The exterior properties of the insulation are resistant to reasonable abrasion .
- Can easily be pushed through tight spaces .

#### Easy to Transport

- The 20 metre coils are packed in Galco branded cartons.

#### Easily Separated

- The two pre insulated copper tubes are bonded together but may be easily split by hand.

#### Bending

- If you need a tight bend , cut the insulation sufficient for your tube bender or use a length of polyethylene tube inserted to prevent kinks.

See overleaf for more Technical Specifications →

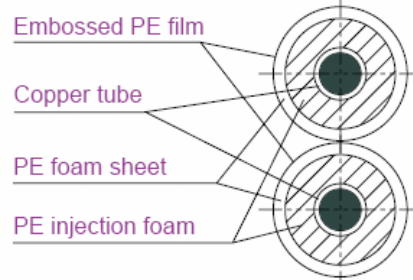
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# Technical Data Sheet

## Insulation Properties

Item	Unit	Test	Inside Material	Outside material
Density	(Kg/cm <sup>3</sup> )	Specific Gravity	Less than 0.040	Less than 0.033
Tensile Strength	( kg/Cm <sup>2</sup> )	JISK6767	Up to 3.0	Up to 4.3
Elongation	%	JISK6767	Up to 55	Up to 150
Compression Strain	%(25%)	JISK6767	3.5	6.5
Water absorbing capacity	G/m <sup>3</sup>	JISK6767	Less than 0.003	Less than 0.008
Conductivity factor	KCAL/M.sq. h	JISA9511	0.040	0.030
Heat Resistance	Degrees Celsius		- 80 to +120	- 80 to +120



- The insulation structure is double butted, [layered].
- Inner insulation is made from Polyethylene [PE] nano composite material made up of foamed closed cell insulation.
- Surrounding the inner pipe is another layer of high expansion cross linked PE with closed cell structure.
- The outer shield is an embossed PE film which provides excellent anti condensation, heat resistant 120 degrees C, high durability and high installation efficiency characteristics.
- The outer PE shield also has a strong UV stabilizing effect for outdoor installations.
- Because of the low hygroscopic and excellent weatherproof characteristics the product is widely applied as an insulation material in cooling/heating systems, frost prevention material for water pipes and anti condensation material for air conditioning systems.

## Standard Dimensions for Paired Copper Coil

Part #		1438		1412		1458		3858		3834	
		1/4 6.35	3/8 9.52	1/4 6.35	1/2 12.7	1/4 6.35	5/8 15.88	3/8 9.52	5/8 15.88	3/8 9.52	3/4 19.05
Outside copper tube diameter	Inch mm										
Copper tube wall thickness	mm	.80	.80	.80	.80	.80	1.00	.80	1.00	.80	1.00
Insulation Inner Diameter	mm	8	11	8	14	8	18.5	11	18.5	11	21.5
Insulation Thickness	mm	9	9	9	10	9	10	9	10	9	10
Coil length per carton	Metres	20		20		20		20		20	
Carton Dimensions	mm Cubic	605x605x190 .08		605x605x190 .08		645x645x190 .090		706x706x190 .10		740x740x190 .12	
Weight per carton	Kg	8		9		12		14		18	

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