

# Paircoil

## Pair Coil Specifications

Sampo Industrial manufactures a range of insulated copper tube supplied for use in field connection split system air-conditioners and heat pumps.

The insulated copper tube is extruded to ensure close tube contact to enhance dew point proofing properties.

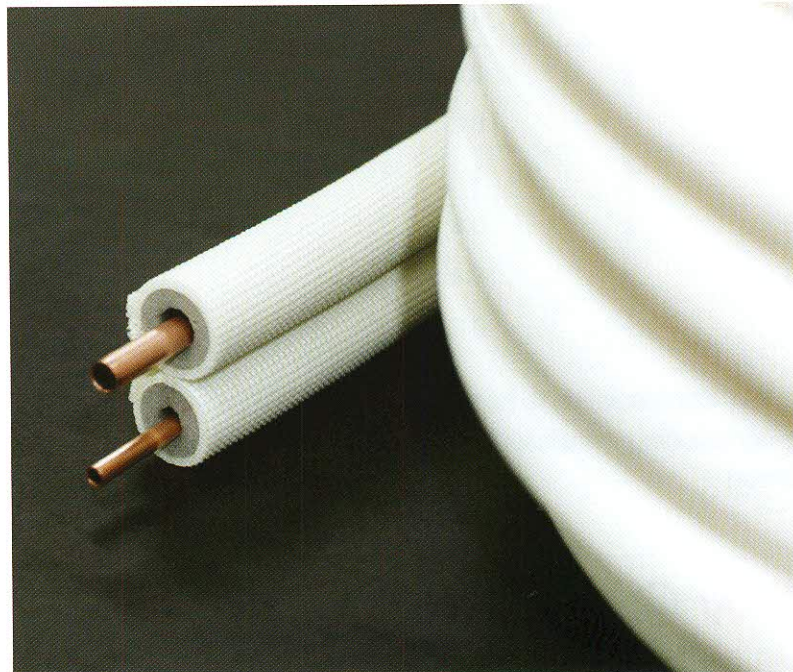
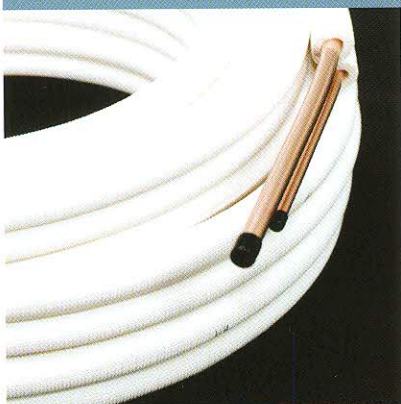
The insulation is covered with embossed polyethylene film to prevent foam creasing. The polyethylene film contains UV protection additives built for the harsh conditions.

### Benefits

- Easy and quick to install
- Save time and money on installation
- No seams which can open to allow moisture entry, bothersome dripping
- Easy to transport

### Reaction to fire classification : D-s3-d0

This classification has been carried out in accordance with EN 13501-1:2007



Tube 1			Tube 2			Length	Coils per carton	Weight percoil (kg)
Outside diameter		Wall Thickness	Outside diameter		Wall Thickness			
inch	mm	mm	inch	mm	mm			
$\frac{1}{4}$ "	6.35	0.8	$\frac{3}{8}$ "	9.52	0.8	20	1	6.41
$\frac{1}{4}$ "	6.35	0.8	$\frac{1}{2}$ "	12.7	0.8	20	1	7.83
$\frac{1}{4}$ "	6.35	0.8	$\frac{5}{8}$ "	15.88	1	20	1	10.85
$\frac{3}{8}$ "	9.52	0.8	$\frac{1}{2}$ "	12.7	0.8	20	1	9.26
$\frac{3}{8}$ "	9.52	0.8	$\frac{5}{8}$ "	15.88	1	20	1	12.27
$\frac{3}{8}$ "	9.52	0.8	$\frac{3}{4}$ "	19.05	1	20	1	14.05
$\frac{1}{2}$ "	12.7	0.8	$\frac{3}{4}$ "	19.05	1	20	1	15.48
$\frac{1}{4}$ "	6.35	0.8	$\frac{3}{8}$ "	9.52	0.8	20	1	6.41
$\frac{1}{4}$ "	6.35	0.8	$\frac{1}{2}$ "	12.7	0.8	20	1	7.83
$\frac{3}{8}$ "	9.52	0.8	$\frac{5}{8}$ "	15.88	1	20	1	12.27
$\frac{3}{8}$ "	9.52	0.8	$\frac{5}{8}$ "	15.88	0.8	20	1	10.69
$\frac{1}{4}$ "	6.35	0.8	$\frac{3}{8}$ "	9.52	0.8	20	1	6.41
$\frac{1}{4}$ "	6.35	0.8	$\frac{1}{2}$ "	12.37	0.8	20	1	7.69

## Insulation Properties

Tube 1		Tube 2		Thermal Conductivity kcal/mhrC	Surface Heat Tensile Coefficient kcal/m <sup>2</sup> hrC	Tensile Strength	Water Absorption	Shrinkage (120+5°C)
Outer diameter inch	Wall Thickness	Outer diameter inch	Wall Thickness					
$\frac{1}{4}$ "	0.8	$\frac{3}{8}$ "	0.8	0.043 Max	7	24.5 Min	0.01 Max	7% Max
$\frac{1}{4}$ "	0.8	$\frac{1}{2}$ "	0.8					
$\frac{1}{4}$ "	0.8	$\frac{5}{8}$ "	1					
$\frac{3}{8}$ "	0.8	$\frac{1}{2}$ "	0.8					
$\frac{3}{8}$ "	0.8	$\frac{5}{8}$ "	1					
$\frac{3}{8}$ "	0.8	$\frac{3}{4}$ "	1					
$\frac{1}{2}$ "	0.8	$\frac{3}{4}$ "	1					
$\frac{1}{4}$ "	0.8	$\frac{3}{8}$ "	0.8					
$\frac{1}{4}$ "	0.8	$\frac{1}{2}$ "	0.8					
$\frac{3}{8}$ "	0.8	$\frac{5}{8}$ "	1					
$\frac{3}{8}$ "	0.8	$\frac{5}{8}$ "	0.8					
$\frac{1}{4}$ "	0.8	$\frac{3}{8}$ "	0.8					
$\frac{1}{4}$ "	0.8	$\frac{1}{2}$ "	0.8					

Sampo Copper Tube Pair Coil insulation is heat resistant to 120°C and superior pre-insulated copper tube ideal for rapid cost effective split air-conditioning installation. Pair Coil uses soft annealed copper tube. and flexible and easily bent for quick and easy installation