



Function & Beauty

INABA DENKO™

• Insulated Copper Tube / Pipe

All Designed in Japan



NEOPIPE

PAIRCOIL

Insulated Copper Tube / Pipe

A complete line of insulated copper tube and pipe sheathed in high grade flame retardant insulation for thermal resistance up to 120 °C and suitable for any type of residential or commercial Air Conditioners.

As INABA DENKO copper tubes and pipes are pre-insulated, much of installer's time and energy to assemble copper tube/pipe and insulation can be saved.

Besides, tubing is supplied in long length such as 20 or 30 meter coils, it also supplies less risk of gas leakage with less connecting parts. Rigid pipe is in 4 meter pipes which is more convenient to handle and carry around even in narrow space at installation site.

Available in single pipe (Type NC NEOCOIL, NH NEOPIPE) or paired linesets (Type PC PAIRCOIL), with plain ends, expanded female end.



Safety Relevant Safety Standards

Superior Quality Control

INABA DENKO insulated copper tube and pipe conforms to most current safety and performance standards for copper pipe and insulation.

Copper Tube Japanese Standard (JIS H3300 C1220T)

Flame Retardant Insulation

Our insulation is in accordance with European standard (EN13501-1) and German standard (DIN4102-1, B1 class).

Insulation European Standard (EN13501-1)
German Standard (DIN 4102-1.B1 class)

Quality High-Quality Materials

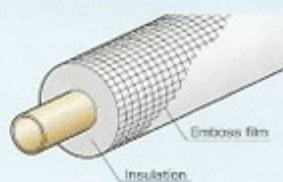
Excellent Thermal Resistance

All insulated tube and pipe products are fabricated with high grade insulation with a thermal resistance up to 120°C.

Wear Resistant Outer Covering.

Tough embossed outer covering is easy to tape and prevents damage during installation.

In addition, PE foam has good pressure resistance and it's not easy to be teared, especially at the hanging point.



Function Upgrade Working Efficiency

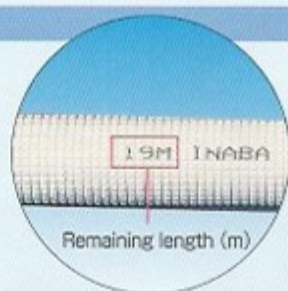
Improved installation efficiency

Easy to bend and cut, Paircoil (PC) can easily be separated by hand. No tools or cutting are necessary.



Length Markings

For 20m & 30m Coil, consecutively numbered length marking are clearly printed at 1 meter intervals on insulation surface to indicate remaining length.



Concealed Installation

For concealed pipe installations, thicker insulation types (20mm) are available to further reduce sweating.

Copper Specifications

The copper tube is to be oxidation seamless copper tube, and is satisfied with JIS H3300 C1220T. Chemical composition of copper tube is shown in the below table.

Chemical composition	
Cu (%)	P (%)
99.90 or more	0.015--0.040

Insulation Specifications

Chemically cross linked polyethylene foam with an expansion factor of 30 enclosed by a plastic film with an embossed surface.

Item	Value	Item	Value
Thermal Conductivity (Ave. 23°C)	0.043 W/mK or less	Moisture Permeability (per 25mm thickness)	20 ng/m ² s-Pa or less
Tensile Strength	14 N/cm ² or over	Temperature Range	-40~120°C
Water Absorption Volume	2.0 g/100 cm ³ or less	Flame Retardant	CLASS: DL-S2,d0 (EN-13501-1) B1(DIN 4102-1)
Thickness Shrinkage Ratio	7 % or less		

PC/NC-JE**PAIRCOIL·NEOCOIL****PAIRCOIL 20M**

Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
PC-2320-JE	1/4×3/8×20m	0.8×0.8	8×8	1
PC-2420-JE	1/4×1/2×20m	0.8×0.8	8×10	1
PC-2520-JE	1/4×5/8×20m	0.8×1.0	8×10	1
PC-3520-JE	3/8×5/8×20m	0.8×1.0	8×10	1
PC-3620Z-JE	3/8×3/4×20m	0.8×1.2	8×10	1

NEOCOIL 20M

NC-220-JE	1/4×20m	0.8	8	2
NC-320-JE	3/8×20m	0.8	8	2
NC-420-JE	1/2×20m	0.8	10	1
NC-520-JE	5/8×20m	1.0	10	1
NC-620Z-JE	3/4×20m	1.2	10	1

PAIRCOIL 30M

PC-2330-JE	1/4×3/8×30m	0.8×0.8	8×8	1
PC-2430-JE	1/4×1/2×30m	0.8×0.8	8×10	1
PC-2530-JE	1/4×5/8×30m	0.8×1.0	8×10	1

PAIRCOIL U TYPE 20M**Competitive Model**

PC-2320U-JE	1/4×3/8×20m	0.61×0.61	8×8	1
PC-2420U-JE	1/4×1/2×20m	0.61×0.61	8×10	1
PC-2520U-JE	1/4×5/8×20m	0.61×0.81	8×10	1

PAIRCOIL U TYPE 30M

PC-2330U-JE	1/4×3/8×30m	0.61×0.61	8×8	1
PC-2430U-JE	1/4×1/2×30m	0.61×0.61	8×10	1

Insulation Thickness 20mm

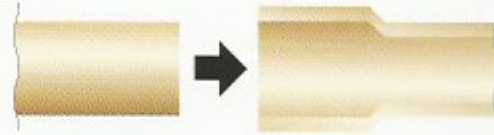
NC-20H**NEOCOIL-20H**

Item No.	Copper tube (O.D. × Length)	Copper thickness (mm)	Insulation thickness (mm)	Pcs/Pkg
NC-220JE-20H	1/4×20m	0.8	20	1
NC-320JE-20H	3/8×20m	0.8	20	1
NC-420JE-20H	1/2×20m	0.8	20	1
NC-520JE-20H	5/8×20m	1.0	20	1
NC-620ZJE-20H	3/4×20m	1.2	20	1

4M STRAIGHT PIPE

Expanded Female End

One end of pipe is already expanded.
No need for fittings.
Blazing only one part can reduce labor cost, time and risk of gas leakage to half.

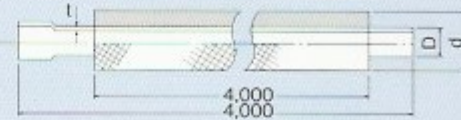


NH

NEOPIPE 4M



Dimensions



Unit : mm

Item No.	Copper tube		Temper grade	Insulation		Pcs/Pkg
	O.D. D	Thickness t (mm)		O.D. d (mm)	Thickness (mm)	
NH- 340JE ★	3/8	0.8	H	27	8	28
NH- 440JE ★	1/2	0.8	H	34	10	20
NH- 540JE ★	5/8	1.0	H	37	10	16
NH- 640JE ★	3/4	1.0	H	41	10	12
NH- 740JE	7/8	1.0	H	44	10	10
NH- 840JE	1	1.0	H	47	10	8
NH- 940JE	1 1/8	1.0	H	50	10	6
NH-1040JE	1 1/4	1.1	H	53	10	6
NH-1140JE	1 3/8	1.2	H	57	10	4
NH-1240JE	1 1/2	1.35	H	60	10	4
NH-1340JE	1 5/8	1.45	H	64	10	4
NH-1440JE ★	1 3/4	1.55	H	66	10	4

Straight pipe with Temper grade H is not bendable by bender tools.

★Order Production

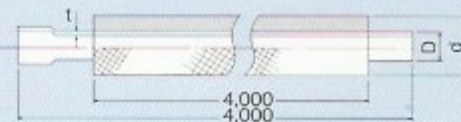
Insulation Thickness 20mm

NH-20H

NEOPIPE 4M-20H



Dimensions



Unit : mm

Item No.	Copper tube		Temper grade	Insulation		Pcs/Pkg
	O.D. D	Thickness t (mm)		O.D. d (mm)	Thickness (mm)	
NH- 340JE-20H ★	3/8	0.8	H	51	20	20
NH- 440JE-20H ★	1/2	0.8	H	54	20	12
NH- 540JE-20H ★	5/8	1.0	H	57	20	12
NH- 640JE-20H ★	3/4	1.0	H	61	20	8
NH- 740JE-20H ★	7/8	1.0	H	64	20	8
NH- 840JE-20H ★	1	1.0	H	67	20	6
NH- 940JE-20H ★	1 1/8	1.0	H	70	20	4
NH-1040JE-20H ★	1 1/4	1.1	H	73	20	4
NH-1140JE-20H ★	1 3/8	1.2	H	76	20	4
NH-1240JE-20H ★	1 1/2	1.35	H	80	20	4
NH-1340JE-20H ★	1 5/8	1.45	H	84	20	2
NH-1440JE-20H ★	1 3/4	1.55	H	86	20	2

Straight pipe with Temper grade H is not bendable by bender tools.

★Order Production