



SCOTTFRIO Technologies CO., LTD



AIR CONDITIONER

INSULATION PIPE & INSULATED COPPER PIPE

INSULATED COPPER PIPE

PE INSULATION PIPE



- © Copper Pipe Standard :
JIS H3300 C1220T,
EN12735-1,AS1571,
ASTM B280
- © PE Insulation Pipe Thickness:
8mm,9mm,10mm,12mm,
19mm
- © UV Resistant, Good Heat
Resistant, Low Absorption,
Wear Resistant
- © Mark Logo and Length number
on the Insulation Pipe
- © PE Insulation Pipe Fire
Retardant Standard:
Normal Fire Retardant

EN13501-1 B₁ S1-D0
(European Fire Retardant Standard)
M1
(French Fire Retardant Standard)
AS/NZS 1530.3:1999
(Australian/New Zealand Fire
Retardant Standard)
ASTM E84 & UL94HF-1
(US Fire Retardant Standard)
DIN4102-1 B1
(German Fire Retardant Standard)



Low Temperature
Resistant



Fire-retardant



Strong Resistance
to Chemical Corrosion



Good Performance
in Acoustic
Absorptivity



Easy to Install



Low Water
Absorption



Shockproof



Reduced Energy
Exchange



Non-toxic or Harmful
Substances

CHARACTERISTIC

INSULATED COPPER PIPE

PE INSULATION PIPE



PE Insulation Pipe

Type	I.D.(mm)	Thickness(mm)	Length(M)
1/4"	Φ8	8, 9, 10, 12, 19	Made-to-Order
3/8"	Φ12	8, 9, 10, 12, 19	
1/2"	Φ15	8, 9, 10, 12, 19	
5/8"	Φ19	8, 9, 10, 12, 19	
3/4"	Φ22	8, 9, 10, 12, 19	
7/8"	Φ25	8, 9, 10, 12, 19	



Copper Pipe Technical Specification

Standard	Alloy	Temper	Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)	Hardness (HV/HR)	Grain Size (mm)
JIS H3300	C1201	O	≥205	-	≥40	HR15T:≤60	0.025-0.06
		OL	≥205	-	≥40	HR15T:≤65	≤0.04
	1/2H	245-325	-	-	HR30T:30-60	-	
		H	≥315	-	-	HR30T:≥55	-
EN 12735-1	C106	R220	≥220	-	≥40	HV5:40-70	-
		R250	≥250	-	≥30	HV5:75-100	-
		R290	≥290	-	≥3	HV5:≥100	-
ASTM B280	C12200	O60	≥205	-	≥40	-	0.035
		H58	≥250	-	-	-	-



Color Available



CHARACTERISTIC INSULATED COPPER PIPE



Pair Insulated Copper pipe

Type	Copper Thickness(mm)	Insulation I.D. & Thickness(mm)	Length(M)
1/4" + 3/8"	0.8*0.8	Φ8+Φ12 9+9	3-30
1/4" + 1/2"	0.8*0.8	Φ8+Φ15 9+9	3-30
1/4" + 5/8"	0.8*1.0	Φ8+Φ19 9+9	3-30
3/8" + 5/8"	0.8*1.0	Φ12+Φ19 9+9	3-30
3/8" + 3/4"	0.8*1.0	Φ12+Φ22 9+9	3-30
1/2" + 3/4"	0.8*1.0	Φ15+Φ22 9+9	3-30



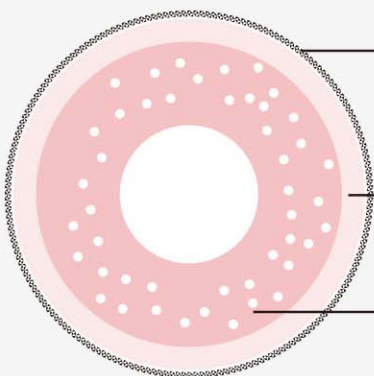
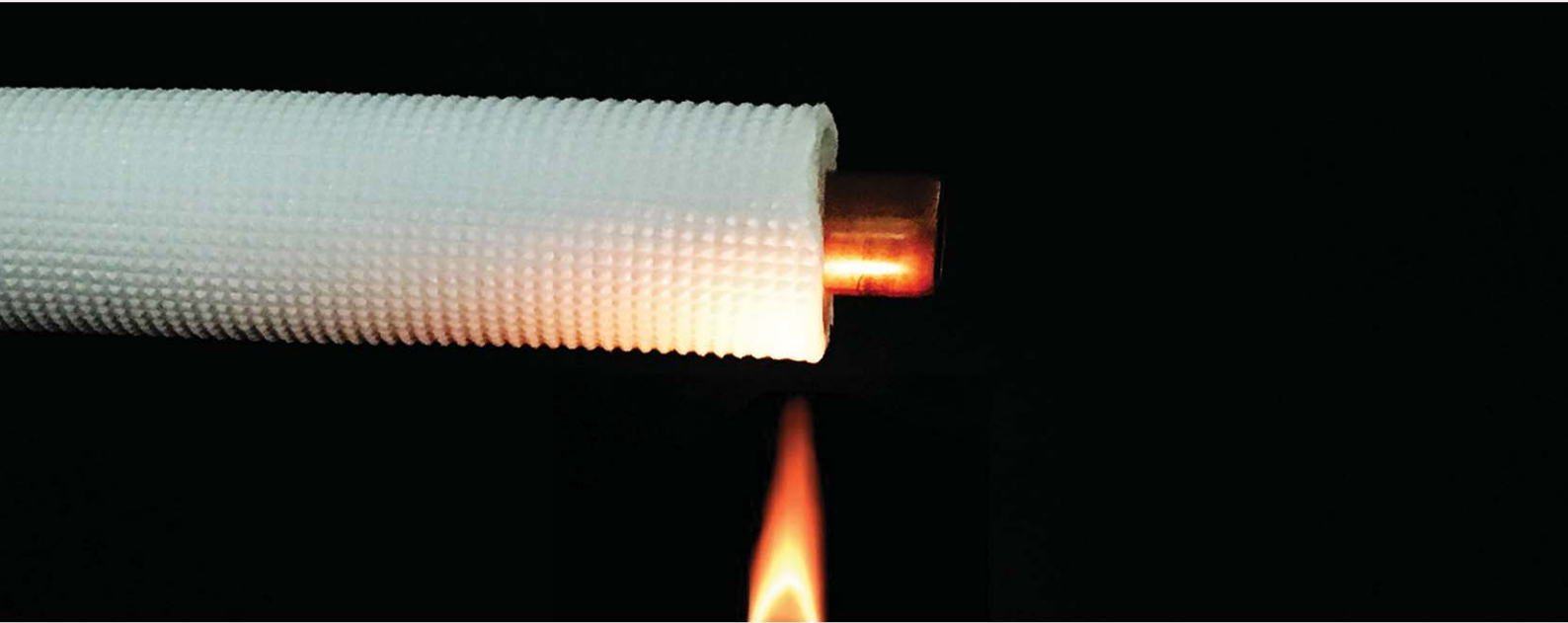
Single Insulated Copper pipe

Type	Copper Thickness(mm)	Insulation I.D. & Thickness(mm)	Length(M)
1/4"	0.38*0.8	Φ8/9	3-30
3/8"	0.41*0.8	Φ12/9	3-30
1/2"	0.48*1.0	Φ15/9	3-30
5/8"	0.61*1.0	Φ19/9	3-30
3/4"	0.65*1.0	Φ22/9	3-30
7/8"	0.8*1.2	Φ25/10	3-20





CHARACTERISTIC PE INSULATION PIPE FIRE TEST



The Outer PE
Anti - UV, Anti - aging,
Fire retardant

Middle Layer
Thermal insulation and
Fire retardant

Inner Layer
Endothecium

PE Insulation Pipe Technical Specification

Item	Value
Density	0.023-0.038 G/CM ³
Tensile Strength	2.0 KG/CM ² or Over
Temperature Range	-40-110 °C
Water Absorption Volume	0.1 MG/CM ² or Less
Thermal Conductivity	0.037 Kcal/M ² H°C or less
Thickness Shrinkage	7% or less
Fire Retardant Test	EN13501-1 B ₁ S1-D0
	M1
	ASNZS 1530.3:1999
	ASTM E84

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