



ANTICONDENSING



TIGHTNESS TESTED



BRIGHT WHITE



DURABLE



FIRE RESISTANT



WATER RESISTANT



SCRATCH RESISTANT



MADE IN ITALY  
STOCKED IN THE US

- Available in 50ft, 82ft and 164ft with **1/2"** insulation thickness.
- All rolls are wrapped in clear film for added protection and marked by the foot for maximum waste reduction.
- Individual pre-insulated rolls to perfectly fit every ductless mini-splits, VRF, heat pumps and unitary systems installation.



ASTM B280

ASK FOR  
ISOTECH

## COPPER PIPE

- Made in accordance with applicable regulations, with cleaned inside surfaces, phosphorous deoxidized, high residual phosphorous, annealed in coils.
- Minimum Cu  $\geq 99.90\%$
- Phosphorous content =  $0.015\% \div 0.040\%$
- **Approved to ASTM B280 - Type ACR**
- Perfect for applications where high-pressure gases are used as refrigeration source.
- **IsoArmor** polymer coating to protect the copper from moisture, oxygen and VOCs.

## INSULATION

- Low density closed cells polyethylene foam
- CFC and HCFC damaging-ozone gas free
- Made according to **ASTM C 1427-07**, type I (tubular), grade I (insulation material for use on typical commercial system non-cross-linked)
- Surface burning characteristics: top rated for Surface Burning Characteristics. Flame and Spread Index less than 25 and Smoke Development Index less than 50 (25/50). Compliant and tested in accordance with Ignition Resistance industry standards.

## SHEATH

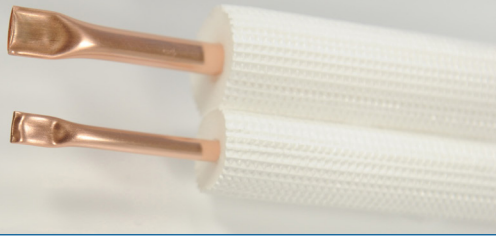
- External UV-retardant LDPE foil covering which adheres to a non-fammable base, melts flameless belongs to self-extinguish Class.
- Marked progressively every foot with product details (pipe and insulation diameters) and production date & time.
- Excellent resistance to water vapor diffusion and substantial reduction of moisture on the outer surface of the pipe.
- Additional protection to foam insulation from tearing during installation process.
- **EXTERIOR INSULATION MUST BE PROTECTED FROM EXTERIOR HAZARDS** (ASHRAE 90.1-2013 & IECC- 2015)

# ISOTECH

Pre-Insulated Copper Line Sets

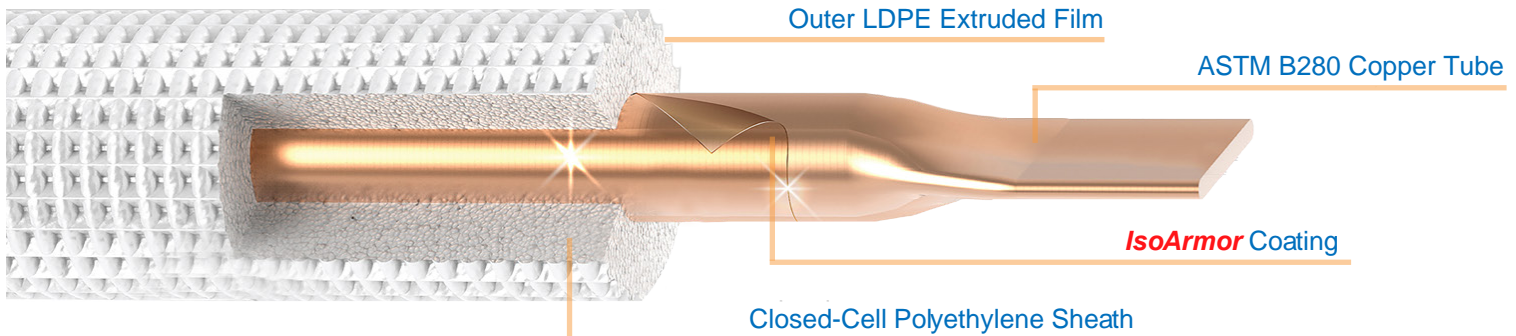
Coated to resist aggressive environments

ASK FOR  
ISOTECH



<b>COPPER PIPE WALL THICKNESS</b>	ASTM B280
<b>INSULATION THICKNESS</b>	1/2", 3/4" and 1"
<b>OPERATING TEMPERATURE RANGE</b>	-112°F / 208°F (-80°C / +98°C)
<b>COEFF. OF WATER VAPOR DISPERSION</b>	5482 μ
<b>THERMAL CONDUCTIVITY</b>	0.0397 W. m <sup>-1</sup> . K <sup>-1</sup>
<b>INSULATION DENSITY</b>	99 lbs/cubic ft (45 Kg/m <sup>3</sup> )
<b>FIRE RESISTANCE</b>	Class 1 (self-extinguishing)
<b>PACKAGING</b>	Comes in single coils wrapped in clear film for added protection.

PART NUMBER	PIPE	INSULATION	LENGTH (FT)
ISOTECH14-12-50	1/4"	1/2"	50
ISOTECH38-12-50	3/8"	1/2"	50
ISOTECH12-12-50	1/2"	1/2"	50
ISOTECH58-12-50	5/8"	1/2"	50
ISOTECH34-12-50	3/4"	1/2"	50
ISOTECH78-12-50	7/8"	1/2"	50
ISOTECH14-12-164	1/4"	1/2"	164
ISOTECH38-12-164	3/8"	1/2"	164
ISOTECH12-12-164	1/2"	1/2"	164
ISOTECH58-12-164	5/8"	1/2"	164
ISOTECH34-12-82	3/4"	1/2"	82
ISOTECH78-12-82	7/8"	1/2"	82



BARE COPPER PIPE DIMENSIONS	THICKNESS OF INSULATING SHEATH	NOMINAL BURSTING PRESSURE [MPa]	NOMINAL WORKING PRESSURE (ASTM B111 M) [atm]
1/4" (6.35 x 0.762 mm)	1/2"	56.54	14.14
3/8" (9.52 x 0.813 mm)	1/2"	37.71	9.43
1/2" (12.70 x 0.813 mm)	1/2"	28.27	7.07
5/8" (15.88 x 0.889 mm)	1/2"	28.28	7.07
3/4" (19.05 x 0.889 mm)	1/2"	23.55	5.89
7/8" (22.22 x 1.14 mm)	1/2"	21.50	5.35