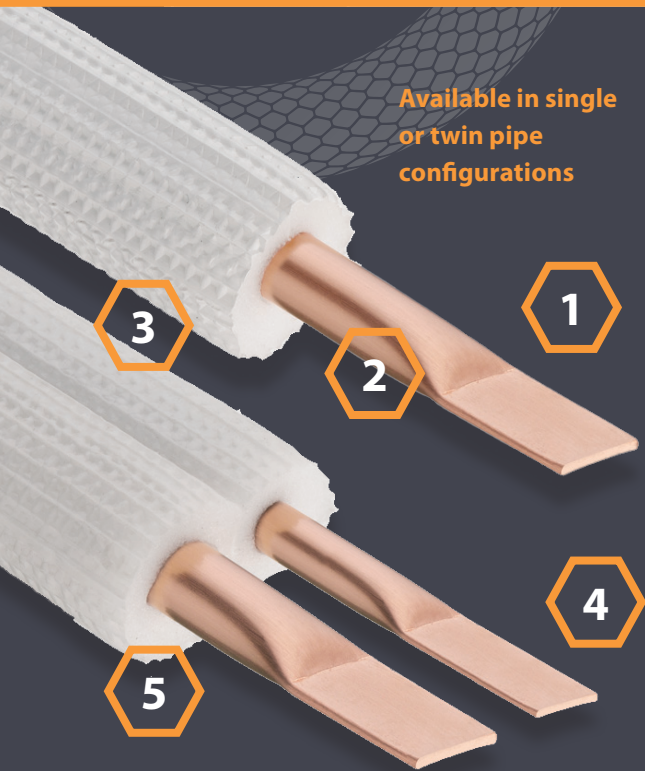


WHY CHOOSE ISOPOLAR LINESETS



Available in single or twin pipe configurations

1. Consistently Specified by Engineering Firms

Regarded as some of the toughest and most reliable linesets available for commercial applications

2. Superior ASTM B280 Copper

Free of imperfections that cause leaks and kinks, ISO lineset copper is produced from our proprietary foundry

3. Tear Resistant Jacket

Tough, white sheathing is highly resistant to tearing but trims clean saving time and money with less service calls

4. Quality Above All

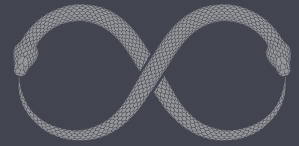
ISO linesets outperform the competition by keeping quality as the number one priority

5. Safe, Non-Corrosive Insulation

ISOPOLAR's PE insulation classifies as an A+ for emission, and deemed harmless to copper pipe



ISOPOLAR
FROM HMAX



ISOPOLAR
TWIN FROM HMAX

Preferred by HVAC professionals for mini-split, residential unitary, heat pump and light commercial installations. ISO makes every job look cleaner and is available in 1/2", 3/4" and 1" thicknesses with 3 coil lengths – 50', 82', 164'.



Products are made to meet requirements of ASTM B1003

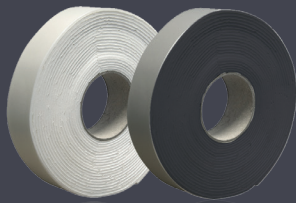
Tight, protective packaging for efficient storage

Product certifications available upon request.

ISOPOLAR Lineset	Features
✓	Reliable, closed-cell polyethylene insulation with tear-resistant sheath
✓	Crimped ends to keep inside surfaces clean prior to installation
✓	Superior material - ASTM B280 type ACR copper
✓	Durable jacket marked by the foot for maximum waste reduction
✓	High resistance to moisture and water-vapor intrusion
✓	Quick and easy install - No field-applied coating or jacketing

TECHNICAL SPECIFICATIONS

- Made according to ASTM C 1427-07, type I (tubular), grade I (insulation material for use on typical commercial system non-cross-linked)
- Insulation meets industry requirements for surface burning and ignition resistance
- CFC and HCFC damaging ozone gas free External LDPE foil covering which adheres to a non-flammable base, melts flameless and belongs to Self-Extinguish Class 1
- Marked at every foot with product details (pipe and insulation diameters), production date and time
- Additional protection on foam insulation reduces risk of tearing
- High resistance to water-vapor diffusion
- Rated for plenum applications
- Exterior insulation must be protected from exterior hazards (ASHRAE 90.1-2013 and IECC- 2015)
- After installation of line sets, ends should be properly sealed to prevent moisture infiltration (See ISOTAPE below)
- Product certifications available upon request



ISOTAPE

- Eco-friendly, white polyethylene band - also available in black closed-cell elastomer
- Highly flexible, physically cross linked with compliant thermal conductivity
- Ideal for wrapping indoor refrigerant pipe connections and for bundling piping together for easy, fast installation
- Temperatures from -20°F to 175°F with low thermal conductivity
- Extremely low water vapor permeability and absorption

SINGLE-PIPE COILS ORDERING GUIDE

Part Number	Pipe Size	Insulation Thickness	Coil Length	Coils Per Pallet
ISO14-12-50	1/4"	1/2"	50'	22
ISO38-12-50	3/8"	1/2"	50'	21
ISO12-12-50	1/2"	1/2"	50'	18
ISO58-12-50	5/8"	1/2"	50'	17
ISO34-12-50	3/4"	1/2"	50'	16
ISO78-12-50	7/8"	1/2"	50'	13
ISO14-12-164	1/4"	1/2"	164'	12
ISO38-12-164	3/8"	1/2"	164'	13
ISO12-12-164	1/2"	1/2"	164'	10
ISO58-12-164	5/8"	1/2"	164'	10
ISO34-12-82	3/4"	1/2"	82'	11
ISO78-12-82	7/8"	1/2"	82'	11
ISO14-34-50	1/4"	3/4"	50'	16
ISO38-34-50	3/8"	3/4"	50'	13
ISO12-34-50	1/2"	3/4"	50'	13
ISO58-34-50	5/8"	3/4"	50'	14
ISO34-34-50	3/4"	3/4"	50'	12
ISO78-34-50	7/8"	3/4"	50'	10
ISO14-1-50	1/4"	1"	50'	10
ISO38-1-50	3/8"	1"	50'	11
ISO12-1-50	1/2"	1"	50'	11
ISO58-1-50	5/8"	1"	50'	11
ISO34-1-50	3/4"	1"	50'	10
ISO78-1-50	7/8"	1"	50'	8

TWIN-PIPE COILS ORDERING GUIDE

BI14X38-12-50	1/4" + 3/8"	1/2"	50'	14
BI14X12-12-50	1/4" + 1/2"	1/2"	50'	12
BI14X58-12-50	1/4" + 5/8"	1/2"	50'	12
BI38X12-12-50	3/8" + 1/2"	1/2"	50'	12
BI38X58-12-50	3/8" + 5/8"	1/2"	50'	11

ISOTAPE ORDERING GUIDE | ACCESSORY

ISOTAPE-WH	White 2" x 30' POLYETHYLENE tape - Use with white polyethylene insulation
ISOTAPE-BK	Black 2" x 30' ELASTOMER insulating tape - Use for conventional black rubber insulation

SUBMITTAL DATA SHEET | ISOTECH LINESETS

Job Name		Location	
Purchaser		Engineer	
Submitted To	Reference	Approval	Construction
Submitted By	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit Designation		Schedule	
Construction		Date	

DURABILITY			
Bare Copper Pipes in inches (mm)	Thickness of Insulating Sheath	Nominal Bursting Pressure [MPa]	Nominal Working Pressure (ASTM B111 M) [atm]
1/4" (6.35 x 0.762)	1/2", 3/4" and 1"	56.54	14.14
3/8" (9.52 x 0.813)	1/2", 3/4" and 1"	37.71	9.43
1/2" (12.70 x 0.813)	1/2", 3/4" and 1"	28.27	7.07
5/8" (15.88 x 0.889)	1/2", 3/4" and 1"	28.28	7.07
3/4" (19.05 x 0.889)	1/2", 3/4" and 1"	23.55	5.89
7/8" (22.22 x 1.14)	1/2", 3/4" and 1"	21.50	5.35

TECHNICAL DATA	
Copper Pipe Wall Thickness	ASTM B280
Insulation Thickness	1/2"
Operating Temperature Range	-112°F / 208°F (-80°C / +98°C)
Coefficient of Water Vapor Dispersion	5482 μ
Thermal Conductivity	0.0397 W. m ⁻¹ . K ⁻¹
Insulation Density	99 lbs./cubic ft. (45 Kg/m ³)
Fire Resistance	Class 1 (self-extinguishing)
Packaging	Comes in single coils wrapped in clear film for added protection