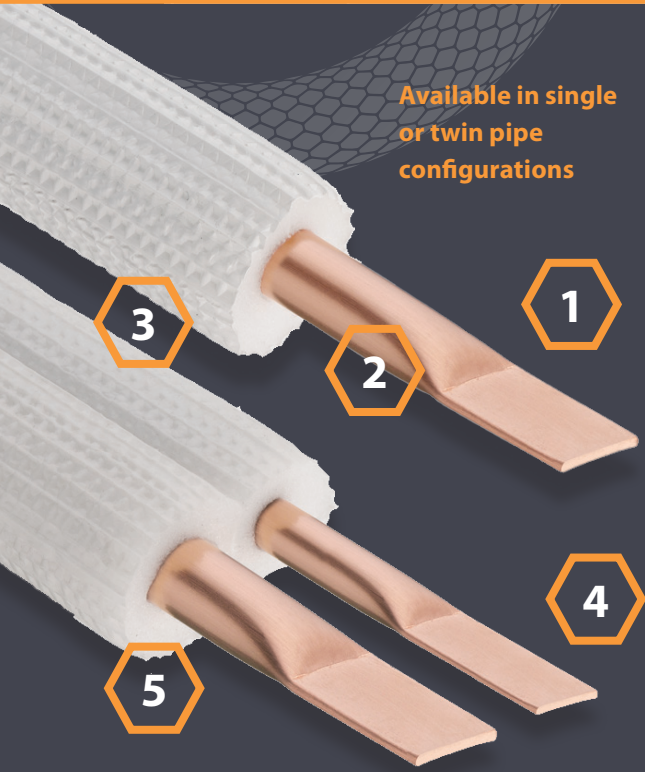


WHY CHOOSE ISOPOLAR LINESETS



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

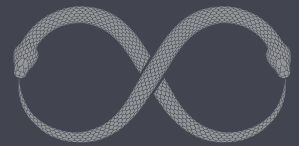
ISO linesets outperform the competition by keeping quality as the number one priority

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

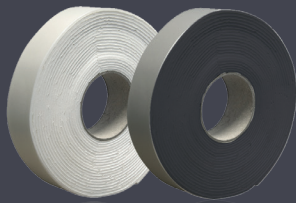
Tight, protective packaging for efficient storage

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 |