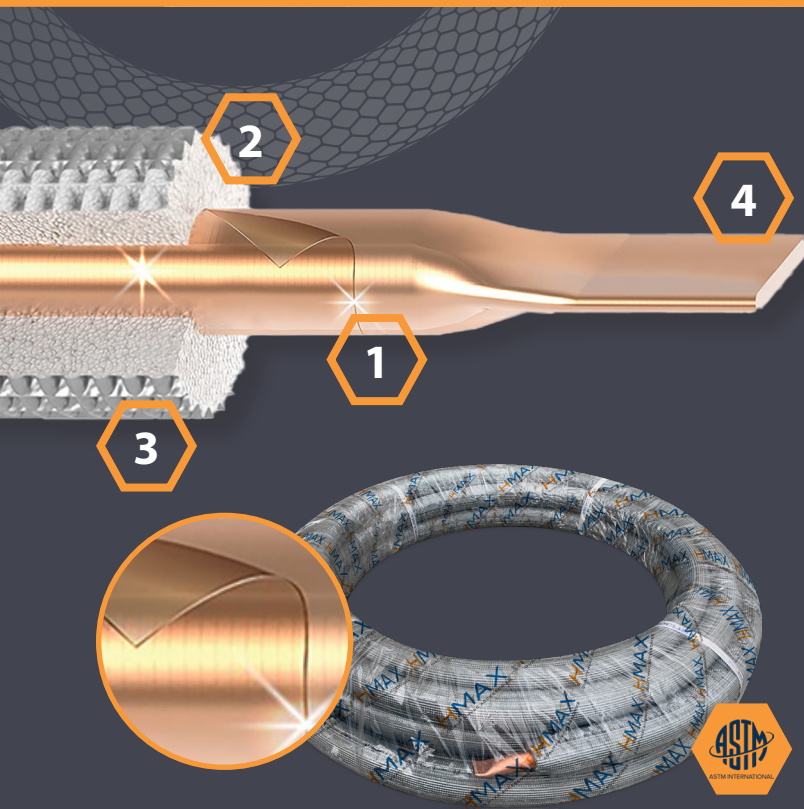


WHY CHOOSE ISOTECH UV LINESETS



1. Prevent Costly Calls with The ONLY Coated Copper Pipe

Superior, anti-corrosive coated, 99.90% min. copper tubing that's free from leak and kink-causing imperfections as well as formicary corrosion. Stay protected with the ONLY coated copper tube in the industry while saving time and money with less service calls

2. Flexible Insulation Easily Fits Any Application

Flexible foam insulation bends easily to fit any installation

3. UV & Tear Resistant Tuff Jacket

Tough, tear-free quality that is resistant to sunlight and equipment maintenance

4. Quick and Easy Install with Less Service Calls

No field-applied coating or jacketing needed

Products are made to meet requirements of ASTM B1003

Whether it's for mini-split, residential unitary, heat pump or light commercial installations, choose the lineset that offers premium quality and performance - available in 1/2" thickness with 3 coil lengths - 50', 82', 164'.



ISOTECH UV Lineset	Features
✓	Sunlight UV, tear, fire and water (UL94) resistant sheath⁽¹⁾
✓	Superior certified R-Values to meet city codes and regulations
✓	Certified 99.9% pure ASTM B280 copper
✓	Formicary corrosion resistant (moisture, oxygen and VOCs)
✓	Protective polymer coated copper
✓	Quick and easy install - No field-applied coating or jacketing




(1) External UV-resistance tested according to ASTM standard to evaluate the impact of UV exposure on its mechanical properties, showing no degradation. Tested in accordance of UL94, to be top rated for Surface Burning Characteristics. Rated for plenum applications.

TECHNICAL SPECIFICATIONS


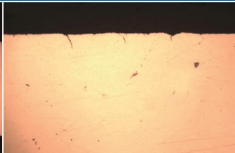
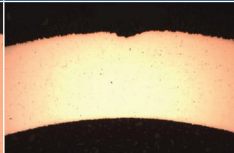
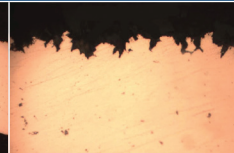
- **Superior insulation** - Flexible low-density, closed-cell polyethylene insulation with low thermal conductivity and a high resistance to moisture vapor intrusion
- **Durable, multi-layer protection** - Tear, equipment maintenance and UV resistant jacket combined with THE ONLY polymer protective coating applied to the 99.90+ % pure copper tubing
- **Code compliance** - Meets outdoor exposure requirements outlined by the IECC and ASHRAE code
- **Corrosion and fire resistant** - Resistant to fire and formicary corrosion including moisture, oxygen and harmful VOCs
- **Quick and easy install** - Coating comes standard, so no field-applied coating or jacketing required

SINGLE-PIPE COILS ORDERING GUIDE				
Part Number	Pipe Size	Insulation Thickness	Coil Length	Coils Per Pallet
ISOTECHUV14-12-50	1/4"	1/2"	50'	22
ISOTECHUV38-12-50	3/8"	1/2"	50'	21
ISOTECHUV12-12-50	1/2"	1/2"	50'	18
ISOTECHUV58-12-50	5/8"	1/2"	50'	17
ISOTECHUV34-12-50	3/4"	1/2"	50'	16
ISOTECHUV14-12-164	1/4"	1/2"	164'	12
ISOTECHUV38-12-164	3/8"	1/2"	164'	13
ISOTECHUV12-12-164	1/2"	1/2"	164'	10
ISOTECHUV58-12-164	5/8"	1/2"	164'	10
ISOTECHUV34-12-82	3/4"	1/2"	82'	11
ISOTECHUV78-12-82	7/8"	1/2"	82'	11

AGGRESSIVE ENVIRONMENTAL TESTING DIGITAL VIEWS			
144 Hour Test	240 Hour Test	480 Hour Test	Coated/Uncoated
			Isotech UV Coated
			UNCOATED BARE Copper Piping

ASTM G154 ACCELERATED OUTDOOR AND UV ENVIRONMENTAL TESTING DIGITAL VIEWS			
1000 Hour Test	2000 Hour Test	3000 Hour Test	Coated/Uncoated
			Isotech UV Coated and insulated

ABOVE: The insulation and outer jacket of the Isotech UV product has been tested under the ASTM G154. Specimens were exposed as per ASTM G154 Cycle 1 - Standard Practice for performing accelerated outdoor weathering of nonmetallic materials using concentrated natural sunlight (Ultraviolet Lamp Apparatus) - showing no signs of degradation on the external sheath.

AGGRESSIVE ENVIRONMENTAL TESTING METALLOGRAPHIC VIEWS			
Isotech UV Coated		Uncoated Bare Copper Piping	
			
0.010"	0.001"	0.010"	0.001"
		PITTING	CORROSION

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