

Job Name \_\_\_\_\_  
 Job Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Approval \_\_\_\_\_

Contractor \_\_\_\_\_  
 Approval \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_  
 Representative \_\_\_\_\_

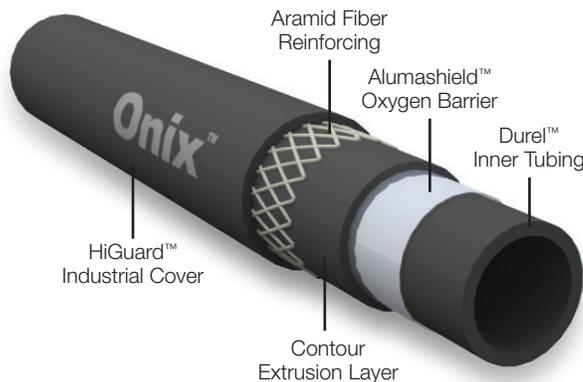
# Onix™ EPDM Tubing

**Sizes:** 3/8" (9.5 mm)  
 1/2" (12.7 mm)  
 5/8" (15.9 mm)  
 3/4" (19.1 mm)  
 1" (25.4 mm)

Onix is a polymer-rich, multi-layer, industrial-grade hose used for hydronic heating and snow melting applications. It contains five distinct structural layers. The Durel inner tube is a peroxide-cured, cross-linked EPDM (Ethylene Propylene Diene Monomer). This layer is wrapped with a ductile 00 grade aluminum oxygen barrier, called AlumaShield. A contour layer of Durel (EPDM) is extruded over the AlumaShield. Spiral reinforcing cords of Aramid fibers are applied over the contour layer. This reinforcing is covered with the outer HiGuard cover composed of sulfur-cured, cross-linked EPDM.

## Appropriate Applications

Onix is used for hydronic radiant heating and snow melting applications.



## Codes Listings and Standards



ASTM: Onix is tested to relevant portions of ASTM standards.

ICC-ES: See ICC-ES Legacy Report No. 95-47



Uniform Plumbing Code: Provide radiant tubing carrying the UPC certification mark, as approved by the International Association of Plumbing and Mechanical officials.

Onix Tubing Specifications							
✓	Model #	Description	ID (in.)	OD (in.)	Maximum Lengths	Min. Bend Radius (in)	Fluid Capacity (Gal/1000')
	086061	3/8" (9.5 mm) Onix	3/8" (9.5 mm)	11/16" (17.5 mm)	200 ft <sup>2</sup> (60.9 m)	3" (76.2 mm)	6.25 (23.7 l/304.8 m)
	086081	1/2" (12.7 mm) Onix	1/2" (12.7 mm)	7/8" (22.2 mm)	300 ft <sup>2</sup> (91.4 m)	4" (101.6 mm)	10.25 (38.8 l/304.8 m)
	806101	5/8" (15.9 mm) Onix	5/8" (15.9 mm)	1" (25.4 mm)	600 ft <sup>2</sup> (182.9 m)	5" (127.0 mm)	16.00 (60.6 l/304.8 m)
	086121	3/4" (19.1 mm) Onix	3/4" (19.1 mm)	1-1/8" (28.6 mm)	350 ft <sup>2</sup> (106.7 m)	6" (152.4 mm)	25.0 (94.6 l/304.8 m)
	086161	1" (25.4 mm) Onix	1" (25.4 mm)	1-3/8" (34.9 mm)	200 ft <sup>3</sup> (60.9 m)	8" (203.2 mm)	43.5 (164.7 l/304.8 m)

Operating Temperature & Pressure	
Max. Temperature	Max. Pressure
180°F (82.2°C)	100 psi (6.9 bar)

Available lengths:  
 3/8" -160, 180, 200  
 1/2" -200, 250, 300  
 5/8" -50, 100, 200, 300, 400  
 3/4" -50, 100, 200, 300, 400  
 1" -50, 100, 200



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**USA:** T: (800) 276-2419 • F: (417) 864-8161 • Watts.com  
**Canada:** T: (905) 332-4090 • F: (905) 332-7068 • Watts.ca  
**Latin America:** T: (52) 81-1001-8600 • Watts.com