

### ULTRAFLEX Stainless Steel Protective Casing Square Locked & Interlocked Metal Hose



Universal *ULTRAFLEX* small diameter stainless steel square locked and interlocked hose is designed specifically as protective casing or armor for temperature measuring devices, fiber optics, telephone cord, electrical wiring, security devices, rip cord armor and capillary tubing. This material is very flexible or “floppy” tubing that permits full extension or compression without binding or friction. Interlocked configurations have high tensile strength and crush resistance – it will not spring open or unwind. This product was known as Anaconda Metal Hose or Anamet Industrial SL square lock or UI CAP interlock protective casing.

#### Square Locked Metal Hose

Nominal Inside Diameter (inches)	Part Number	Nominal Outside Dia. (inches)	Material Thickness (inches)	Minimum Bend Inside Radius (in.)	Weight Per Ft. (lbs.)	
1/8	U-460610	0.201	0.008	1	0.020	
5/32	U-460613	0.238	0.010	1	0.035	
3/16	U-460616	0.269	0.010	1	0.040	
7/32	U-460619	0.299	0.010	1	0.045	
1/4	U-460622	0.338	0.010	1	0.050	
9/32	U-460625	0.369	0.010	1 1/4	0.055	
5/16	U-460628	0.420	0.010	1 1/4	0.060	
3/8	U-460634	0.483	0.010	1 1/2	0.070	
7/16	U-460640	0.545	0.011	1 1/2	0.090	
1/2	U-460643	0.613	0.011	1 1/2	0.095	
9/16	U-460650	0.688	0.011	1 1/2	0.110	
5/8	U-460652	0.745	0.011	2	0.120	
1	2	3	4	5	6	7

#### Interlocked Metal Hose

Nominal Inside Diameter (inches)	Part Number	Nominal Outside Dia. (inches)	Material Thickness (inches)	Minimum Bend Inside Radius (in.)	Weight Per Ft. (lbs.)	
5/32	U-451550	0.263	0.008	1 1/2	0.055	
3/16	U-451554	0.283	0.008	1 1/2	0.060	
	U-451560T*	0.308	0.008	1 1/2	0.065	
7/32	U-451560	0.318	0.008	1 1/2	0.065	
1/4	U-451564	0.348	0.008	1 1/2	0.075	
9/32	U-451565	0.367	0.009	1 3/4	0.088	
5/16	U-451568	0.413	0.008	2	0.090	
3/8	U-451572	0.495	0.010	2 1/2	0.140	
7/16	U-451574	0.557	0.010	2 1/2	0.205	
1/2	U-451576	0.620	0.010	2 1/2	0.180	
1	2	3	4	5	6	7

Refer to Universal Bulletin 207 for larger diameters.

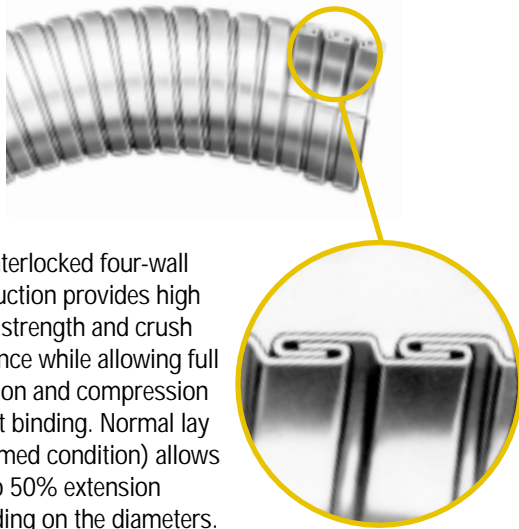
The sizes listed are standards. Universal has the capability to form hose with special diameters.

The tolerance on the inside and outside diameter is +/- 0.0075.

\*This size is commonly used as telephone cord armor.

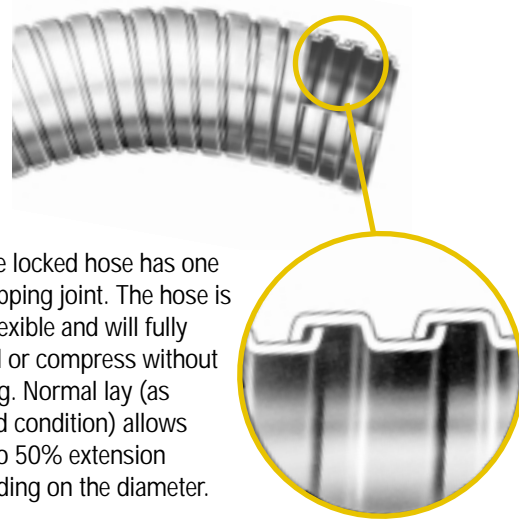
**See reverse side of page for more information and ordering instructions**

## Interlocked Hose



Fully interlocked four-wall construction provides high tensile strength and crush resistance while allowing full extension and compression without binding. Normal lay (as formed condition) allows 20% to 50% extension depending on the diameters.

## Square Locked Hose



Square locked hose has one overlapping joint. The hose is very flexible and will fully extend or compress without binding. Normal lay (as formed condition) allows 20% to 50% extension depending on the diameter.

## Ordering Instructions

To order bulk hose specify the Part Number listed in Column 3 of the table on the reverse side of this page, Consult the factory for mill coil lengths. You may specify cut lengths or reels. Reels can vary in capacity – when necessary the hose can be spliced by tungsten inert gas welding. All hose is cleaned by a warm water and biodegradable soap solution. Special cleaning levels can be specified.

All other requirements such as internal or external coatings, special cleaning and assembly details must be identified by written specification.

### **Example:**

*P/N U-460610 specifies 0.125" inside diameter, 0.201" outside diameter, type 304 stainless steel square locked hose, cleaned and dried with normal lay. Length required and method of put up must be added.*



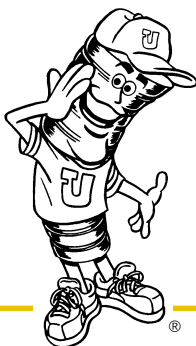
Universal has the capability to apply external extruded or heat shrink liquid tight coatings in a wide variety of materials, and internal liners made from TFE and other non-metallic tubing.

Hose can be supplied in bulk as bundles or coils or on reels. Cut lengths can be furnished with burr free cuts made by electrochemical or high-speed cutoff saws.

Hose can be formed from all grades of austenitic stainless steels as well as other nickel alloys and galvanized or plated carbon steel.



*Universal has the capability to precision cut and add caps, ferrules and special fittings.*



**Universal Metal Hose**  
A Hyspan Company

17111 South Wallace Street  
South Holland, IL 60473-2735  
Voice: 773-277-0700  
Fax: 773-277-0727  
[www.universalmetalhose.com](http://www.universalmetalhose.com)