

# Uniline™ Cable & Unitrex™ XS Max Wear

## vs. Swaged Wire by Yale Rope Technologies

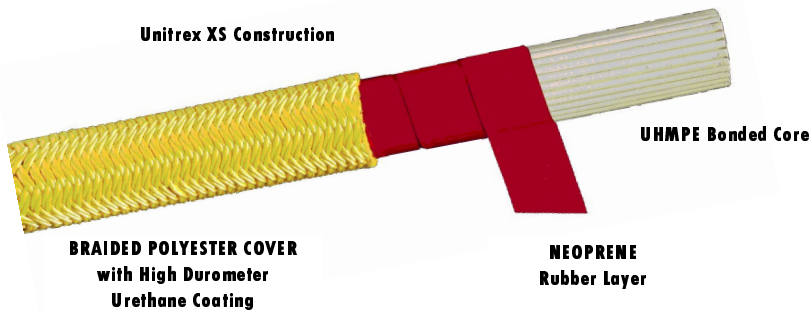
UNILINE™			
Nominal Size	Weight	Tensile Strength	
Dia.	Lbs/100	Lbs.	Tons
3/8	7.0	6,000	3.0
7/16	8.5	9,200	4.6
1/2	10.0	10,500	5.3
9/16	12.4	15,700	7.9
5/8	15.6	16,800	8.4
3/4	21.7	24,200	12.1
7/8	30.6	32,800	16.4
1	38.7	42,200	21.1
1-1/8	48.8	53,000	26.5
1-1/4	60.4	64,500	32.3

UNITREX™ XS MAX WEAR			
Nominal Size	Weight	Tensile Strength	
Dia.	Lbs/100	Lbs.	Tons
0.41	6.1	20,000	10.0
0.48	8.3	26,000	13.0
0.55	10.5	34,000	17.0
0.61	12.3	42,500	21.3
0.69	15.4	50,500	25.3
0.87	22.0	73,500	36.8
0.97	30.3	100,000	50.0
1.13	39.6	125,000	62.5
1.22	50.0	158,000	79.0
1.35	61.8	195,000	97.5
1.63	68.0	264,000	132.0

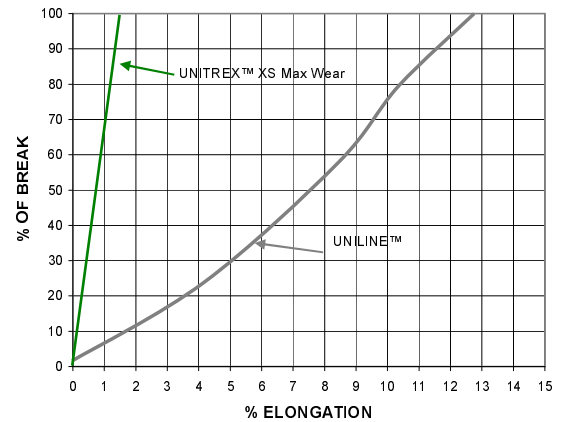
Specific Gravity: 1.1

Swaged Wire			
Nominal Size	Weight	Tensile Strength	
Dia.	Lbs/100	Lbs.	Tons
3/8	30	16,780	8.4
1/2	53	29,600	13.4
9/16	66	35,200	17.6
5/8	83	43,400	21.7
3/4	119	62,200	31.1
7/8	161	84,200	42.1
1	210	109,400	54.7

UNITREX™ XS Max Wear = SPECTRA® UHMPE CORE  
UNILINE™ = HS POLYESTER CORE



### ELONGATION COMPARISON CHART



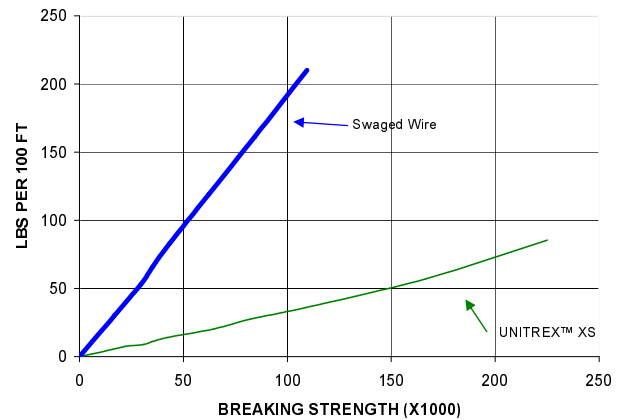
Uniline has been around for the last 50 years, originally manufactured in the U.S. by Wall Rope Works, Inc. It has a proven track record in utility, oceanographic, military and commercial shipping applications.

Unitrex XS Max Wear is its high tech cousin, encompassing every bit of Uniline's toughness, including a thicker sleeve, while simultaneously incorporating high tech UHMPE fiber. The result, a rope with three times the strength of polyester and elongation more like wire than synthetic.

Uniline and Unitrex XS Max Wear have zero torque, will not corrode, and are not affected by sunlight. The cores are bonded and blocked with neoprene, preventing life reducing contamination by salt, sand, grit, etc. The core structure is then protected with a vulcanized neoprene rubber layer. (Layers in the case of the dielectric grade).

Uniline and Unitrex XS Max Wear are available in colors and in unlimited lengths. These rope/cables are spliceable and their stretch characteristics are governed by the fibers they are made from rather than the geometry of the rope.

### BREAKING STRENGTH VS. WEIGHT



Yale Rope Technologies Inc.  
1615 North Lee Street  
Spencer, North Carolina 28159

Sales Office:  
Yale Cordage  
77 Industrial Park Rd.  
Saco, Maine 04072

Phone: 207-282-3396  
Fax: 207-282-4620  
E-mail: [webrequest@yalecordage.com](mailto:webrequest@yalecordage.com)  
Web: [www.yalecordage.com](http://www.yalecordage.com)



# Length Equivalency Chart

Use this chart to calculate what length of an alternate diameter will fit on your machine.

To use the chart you need to know the current diameter on your unit and its length.

Read down the left column and find your current diameter. Read horizontally the length which will fit for alternate diameters.

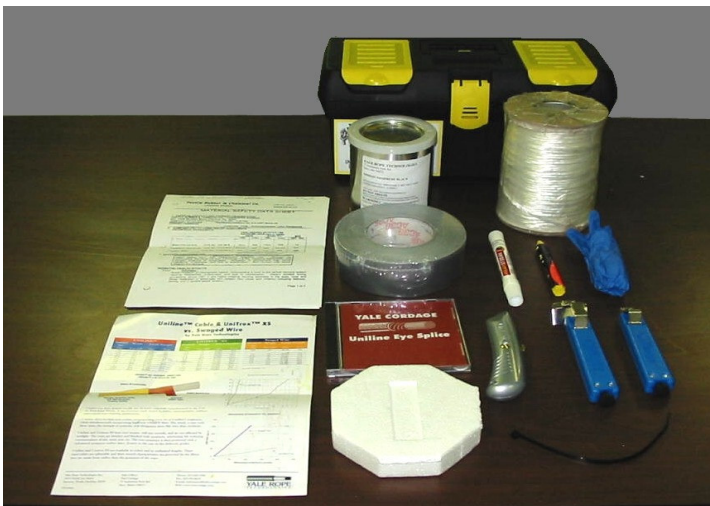
		Alternate Diameters								
		5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
1,000 Feet of Current Diameter	5/16	1,000	696	512	392	310	250	174	128	98
	3/8	1,443	1,000	737	564	445	361	251	233	141
	7/16	1,955	1,357	1,000	764	604	489	339	249	191
	1/2	2,558	1,777	1,306	1,000	790	640	444	327	250
	9/16	3,234	2,246	1,651	1,264	1,000	809	562	413	316
	5/8	4,006	2,777	2,042	1,653	1,236	1,000	693	540	390
	3/4	5,752	3,994	2,936	2,248	1,776	1,438	1,000	734	562
	7/8	7,830	5,437	3,997	3,060	2,418	1,958	1,360	1,000	765
	1	11,025	7,107	5,224	4,000	3,160	2,559	1,778	1,305	1,000

Example: You currently have a machine with 5/8" x 6,000 feet, and are interested in changing it to a stronger product which is only a 1/2" diameter.

$$5/8" \times 1,000 = 1/2" \times 1,653 \text{ from chart}$$

$$\text{Times } 6 = 6 \times 1,653 = 9,918 \text{ feet will fit}$$

## Uniline™ & UniTrex™ Splice Kit & Instructions



### Kit Includes:

- |                                |                     |
|--------------------------------|---------------------|
| 1/4" - 3/4" Cable Stripper     | 1 Pair Latex Gloves |
| 3/4" - 1-1/2" Cable Stripper   | Yellow Marker       |
| Wire tie                       | White Marker        |
| Uniline Splice DVD             | Duct Tape           |
| Unitrex Splice DVD             | Utility Knife       |
| Quart Black Neoprene w/ MSDS   | Whipping Twine D*   |
| Uniline vs. Unitrex Data Sheet |                     |

**All packaged in a convenient utility box**

\*Whipping twine shipped separately

Part Number: 10008620

To view our Splice Videos for Uniline and Unitrex go to our website  
<http://www.yalecordage.com/splicing-instructions>

**Or call us today for your FREE DVD**

Unitrex Splice DVD - Part Number 10018008

Uniline Splice DVD - Part Number 10018051