



Uniline T&D (double-wrap tape)



Uniline ND (single-wrap tape)

## Uniline

**Uniline** is a parallel-core cable of PET(polyester) filament. The Uniline core is bonded together with a rubber-based adhesive, wrapped with red rubber tape, over-braided with a tough polyester sleeve and entirely saturated with another rubber solution. The cable is then cured in an oven, causing the rubber to advance to a solid layer with very tough mechanical properties. The red rubber layer not only acts as a moisture barrier, but is also a wear indicator. This cable carries a 4:1 workload rating for overhead work and a 3:1 rating for underground work. Uniline is the toughest conventional polyester stringing line you can buy and minimizes the elasticity

and stretchiness seen in polyester ropes. Ropes removed from machines having seen 20 years of service regularly test at 75% of the original strength and above. Uniline can be spliced both in eyes and as a running splice, delivering the full strength as cataloged. Alternately, Uniline can be terminated and/or end-for-end joined together with our Techeye3 and Techjoin3 products.

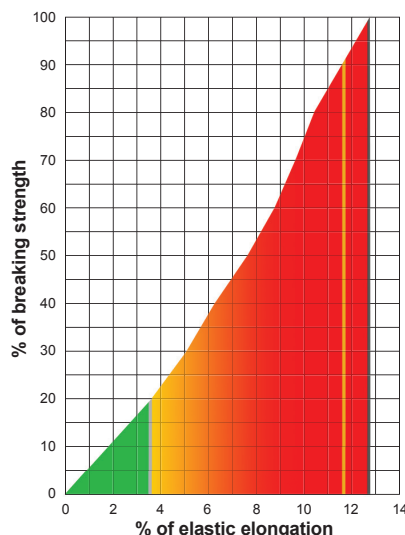
**Uniline Lifeline** is a specialized construction utilizing a solution-dyed polyester sleeve and no additional external coating. This product is available in only 1/2" and 5/8" diameters in the following color options - solid orange, solid black and solid gray.

## Specifications

Diameter		Average Spliced Break Strength*		Minimum Spliced Break Strength*		Maximum** Working Load 4:1		Weight	
Inches	(mm)	Lbs	Kg	Lbs	Kg	Lbs	Kg	Lbs/100ft	Kg/100m
3/8	(10)	6,000	2,720	5,400	2,448	1,500	680	7.0	10.4
1/2	(13)	10,500	4,765	9,450	4,289	2,625	1,191	10.0	14.9
5/8	(16)	17,200	7,805	15,480	7,025	4,300	1,951	15.6	23.2
3/4	(19)	24,200	10,985	21,780	9,887	6,050	2,746	21.7	32.3
7/8	(22)	32,800	14,890	29,520	13,401	8,200	3,723	30.6	45.6
1	(25)	42,200	19,155	37,980	17,240	10,550	4,789	38.7	57.6
1-1/8	(29)	53,000	24,060	47,700	21,654	13,250	6,015	48.8	72.7
1-1/4	(32)	64,500	29,280	58,050	26,352	16,125	7,320	60.4	89.9
1-3/8	(35)	78,000	35,410	70,200	31,869	19,500	8,853	73.1	108.9
1-1/2	(38)	92,000	41,765	82,800	37,589	23,000	10,441	86.9	129.4
1-5/8	(41)	108,000	49,030	97,200	44,127	27,000	12,258	102.1	152.0
1-3/4	(44)	125,000	56,750	112,500	51,075	31,250	14,188	118.4	176.3
1-7/8	(48)	144,000	65,375	129,600	58,838	36,000	16,344	135.3	201.5
2	(51)	164,000	74,455	147,600	67,010	41,000	18,614	155.0	230.8

\* Knots and abrupt bends significantly reduce the strength of all ropes and lower the maximum working load.

\*\* Working load is based on static or moderately dynamic lifting/pulling operations. Instantaneous changes in load, up or down, in excess of 10% of the rope's rated working load constitute hazardous shock load and would void the normal working-load recommendation. Consult Yale Cordage for guidelines for working loads and the safe use of rope.



### Energy Absorption

The colored area under the curve represents the rope's ability to do "work" and is expressed in foot-pounds per pound of rope in tension.

■ Green working 262 ft. lbs./lb.

■ Red ultimate 5,230 ft. lbs./lb.

**Dielectric Strength:** The maximum allowable leakage for clean, dry Uniline is 50 micro- amperes when tested at 100kV per Yale Method 712-1701 Rev 1 "Routine Production Test". Absorbed and entrained moisture or impurities will increase rope's conductivity dramatically.

Approved Splice Technique: #10018010, #10018051.

— Maximum Working Load  
— Minimum Break Strength  
— Average Break Strength

Specific Gravity: 1.38

Custom colors for Uniline (Minimum order required)

