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.

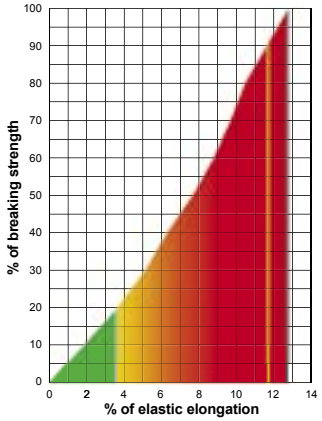
Uniline is the toughest conventional polyester stringing line you can buy and minimizes the elasticity and stretchiness seen in polyester ropes. Ropes removed from machines having seen 20 years of service regularly test at 75% of the original strength and above. Uniline can be spliced both in eyes and 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. Uniline Lifeline is only available in 1/2" and 5/8" diameters in the following color options – solid orange, solid black and solid gray.

Diameter Inches	Diameter mm	Weight Lbs/100ft	Weight Kg/100m	Average Spliced Break Strength* Lbs	Average Spliced Break Strength* Kg	Minimum Spliced Break Strength* Lbs	Minimum Spliced BreakStrength* Kg	Maximum** Work Load 5:1 Lbs	Maximum** Work Load 5:1 Kg
15/32	12	8.3	12.4	7,900	3,585	7,110	3,227	1,580	717
7/16	11	8.1	12.1	7,900	3,585	7,110	3,227	1,975	896
3/8	10	7.0	10.4	6,000	2,720	5,400	2,448	1,500	680
1/2	13	10.0	14.9	10,500	4,675	9,450	4,289	2,625	1,191
5/8	16	15.6	23.2	17,200	7,805	15,480	7,025	4,300	1,951
3/4	19	21.7	32.3	24,200	10,985	21,780	9,887	6,050	2,746
7/8	22	30.6	45.6	32,800	14,890	29,520	13,401	8,200	3,723
1	25	38.7	57.6	42,200	19,155	37,980	17,240	10,550	4,789
1 1/8	29	48.8	72.7	53,000	24,060	47,700	21,654	13,250	6,015
1 1/4	32	60.4	89.9	64,500	29,280	58,050	26,352	16,125	7,320
1 3/8	35	73.1	108.9	78,000	35,410	70,200	31,869	19,500	8,853
1 1/2	38	86.9	129.4	92,000	41,765	82,800	37,589	23,000	10,441
1 5/8	41	102.1	152.0	108,000	49,030	97,200	44,127	27,000	12,258
1 3/4	44	118.4	176.3	125,000	56,750	112,500	51,075	31,250	14,188
1 7/8	48	135.3	201.5	144,000	65,375	129,600	58,838	36,000	16,344
2	51	155.0	230.8	164,000	74,455	147,600	67,010	41,000	18,614

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

** Working load is based on static or moderately dyanmic lifting/pulling operations. Instantaneous changes in load, up or down, in excess or 10% of the rope's related 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)