

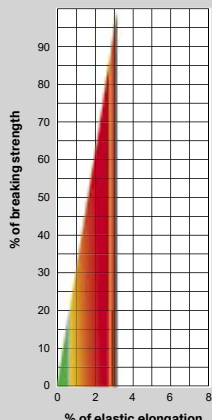
Ultrax Plus

Double Braid



Ultrax Plus is a double braid constructed of an inner load bearing core of bio-based SK78 Dyneema® fiber, treated with Maxijacket coating for enhanced toughness. Sleeved with high-tenacity polyester, Ultrax Plus is spliceable, using conventional high-modulus splice techniques or the new Yale tuck splice, which shortens the bury portion and minimizes the length of the larger diameter associated with a bury-type splice.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
1/4	5,500	6,100	6,200	2.4
5/16	8,600	9,400	9,600	2.9
3/8	11,500	12,500	13,000	3.8
7/16	14,000	15,500	16,000	4.9
1/2	20,000	22,000	22,500	7.3
9/16	27,000	29,500	30,000	9.0
5/8	31,500	34,500	35,000	11.6
3/4	41,500	45,500	46,500	14.1
7/8	58,000	64,000	65,000	22.8
1	69,000	76,000	77,000	26.0
1-1/8	92,000	100,000	105,000	35.8
1-1/4	110,000	120,000	125,000	43.5
1-5/16	135,000	150,000	150,000	45.7
1-1/2	155,000	175,000	175,000	61.3
1-5/8	170,000	185,000	190,000	71.7
1-3/4	210,000	230,000	235,000	85.6
2	260,000	290,000	290,000	108.6



Energy Absorption

The colored area under the curve represents the rope's energy-absorption capability.

- Green working 140 ft. lbs./lb.
- Red ultimate 5,428 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Ultrax Plus is 100 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: #10015106, #10018007.

Minimum Break Strength

Specific Gravity: 1.40

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