YALE CORDAGE
A SLINGMAX GROUP COMPANY

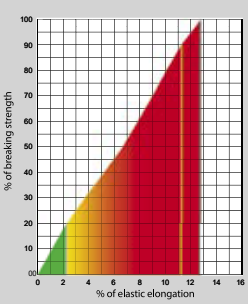
Double Esterlon

Double Braid

Double Esterlon is a double-braided rope constructed of premium over finish polyester fiber in both the sleeve and core. This product is identified by two green strands braided into the cover structure and is available with optional Maxijacket urethane coating to further enhance the rope's wear resistance.

Double Esterlon has low stretch, high dielectric strength, and excellent wear life. Double Esterlon yields the highest-strength double braid polyester available. It is completely spliceable, delivering the cataloged strengths when spliced properly.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
1/4	2,300	2,500	2,600	2.4
5/16	3,500	3,900	3,900	3.1
3/8	5,000	5,500	5,600	4.2
7/16	6,800	7,500	7,600	5.9
1/2	8,800	9,700	9,800	7.8
9/16	11,000	12,000	12,500	10.1
5/8	13,500	14,500	15,000	13.9
3/4	19,000	21,000	21,500	17.0
7/8	26,000	28,500	29,000	24.6
1	33,500	37,000	37,500	33.9
1-1/8	42,500	46,500	47,500	44.7
1-1/4	52,000	57,000	58,000	50.9
1-5/16	57,000	63,000	64,000	57.5
1-1/2	74,000	81,000	83,000	70.0
1-5/8	86,000	95,000	96,000	83.5
1-3/4	100,000	110,000	115,000	103.0
2	125,000	135,000	140,000	130.0



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 291 ft. lbs./lb.
- Red ultimate 7,711 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Double Esterlon 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: #10017200.

Minimum Break Strength

Specific Gravity: 1.38

*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.