

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	2,400	2,600	2,700	2.4
5/16	3,300	3,600	3,700	3.1
3/8	4,900	5,300	5,500	4.2
7/16	6,500	7,100	7,300	5.9
1/2	9,800	10,500	11,000	7.8
9/16	11,500	12,500	13,000	10.1
5/8	14,500	15,500	16,500	13.9
3/4	17,500	19,000	19,500	17.0
7/8	27,000	29,500	30,000	24.6
1	38,500	42,000	43,000	33.9
1-1/8	48,500	53,000	54,000	44.7
1-1/4	57,000	62,000	64,000	50.9
1-5/16	60,000	66,000	67,000	57.5
1-1/2	70,000	77,000	78,000	70.0
1-5/8	80,000	88,000	89,000	83.5
1-3/4	91,000	100,000	105,000	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.