



## Double Esterlon

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.

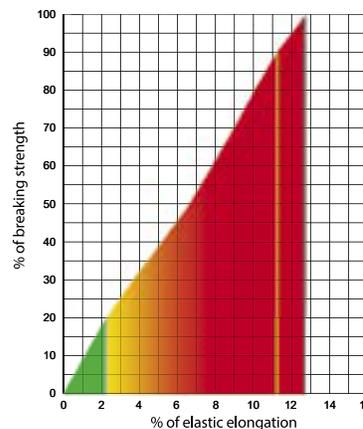
Double Esterlon has low stretch, high dielectric strength, and excellent wear life. Double Esterlon yields the highest-strength double braid polyester available. It is completely spliceable, delivering the cataloged strengths when spliced properly.

### Specifications

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 Break Strength* Kg	Maximum** Work Load 5:1 Lbs	Maximum** Work Load 5:1 Kg
1/4	6	2.4	3.6	2,940	1,330	2,646	1,197	588	266
5/16	8	3.2	4.8	3,750	1,700	3,375	1,530	750	340
3/8	10	4.2	6.3	5,740	2,605	5,166	2,345	1,148	521
7/16	11	5.7	8.5	7,690	3,490	6,921	3,141	1,538	698
1/2	13	7.8	11.6	11,000	4,990	9,900	4,491	2,200	998
9/16	14	9.8	14.6	13,290	6,030	11,961	5,427	2,658	1,206
5/8	16	13.9	20.8	17,540	7,960	15,786	7,164	3,508	1,592
3/4	19	16.5	24.6	20,800	9,440	18,720	8,496	4,160	1,888
7/8	22	23.8	35.4	33,000	14,980	29,700	13,482	6,600	2,996
1	25	33.7	50.2	46,200	20,970	41,580	18,873	9,240	4,194
1 1/16	27	39.1	58.2	47,500	21,565	42,750	19,409	9,500	4,313
1 1/8	29	44.7	66.5	54,100	24,560	48,690	22,104	10,820	4,912
1 1/4	32	50.9	75.8	63,700	28,915	57,330	26,024	12,740	5,783
1 5/16	33	57.4	85.5	70,360	31,940	63,324	28,746	14,072	6,388
1 1/2	38	70.1	104.4	88,890	40,355	80,001	36,320	17,778	8,071
1 5/8	41	83.2	123.9	93,710	42,540	84,339	38,286	18,742	8,508
1 3/4	44	103.0	153.3	111,930	50,815	100,737	45,734	22,386	10,163
2	51	123.5	183.9	133,450	60,585	120,105	54,527	26,690	12,117

\* 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.



#### 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.

- Maximum Working Load
- Minimum Break Strength
- Average Break Strength

Specific Gravity: 1.38