YALE CORDAGE
A SLINGMAX GROUP COMPANY

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	Minimum Spliced Break Strength* Lbs	Minimum Spliced Break Strength* Kg	Minimum Unspliced Break Strength* Lbs	Minimum Unspliced Break Strength* Kg
1/4	6	2.4	3.6	2,400	1,088	2,640	1,197
5/16	8	3.1	4.6	3,300	1,497	3,630	1,646
3/8	10	4.2	6.3	4,900	2,222	5,390	2,444
7/16	11	5.9	8.8	6,500	2,948	7,150	3,243
1/2	13	7.8	11.6	9,800	4,444	10,780	4,889
9/16	14	10.1	15.0	11,500	5,215	12,650	5,737
5/8	16	13.9	20.7	14,500	6,576	15,950	7,234
3/4	19	17.0	25.3	17,500	7,937	19,250	8,730
7/8	22	24.6	36.7	27,000	12,245	29,700	13,469
1	25	33.9	50.5	38,500	17,460	42,350	19,206
1 1/8	29	44.7	66.6	48,500	21,995	53,350	24,195
1 1/4	32	50.9	75.8	57,000	25,850	62,700	28,435
1 5/16	33	57.5	85.7	60,000	27,211	66,000	29,932
1 1/2	38	70.0	104.3	70,000	31,746	77,000	34,921
1 5/8	41	83.5	124.4	80,000	36,281	88,000	39,909
1 3/4	44	103.0	153.5	91,000	41,270	100,100	45,397
2	51	130.0	193.7	125,000	56,689	137,500	62,358

* 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