

# Lugger Line



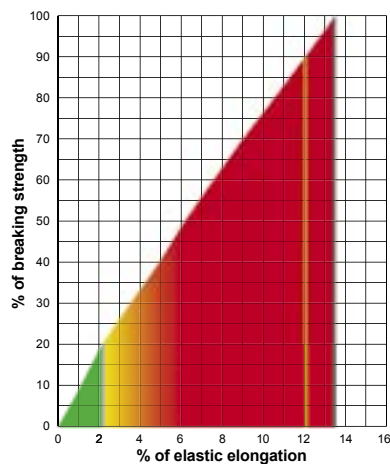
Lugger Line is a 12-strand single braid of copolymer olefins. Polypropylene and high-density polyethylene are coextruded to form the fiber. Upon cooling, the molten polyethylene and polypropylene material coalesce into a unique fiber with tenacity comparable to polyester but without the friction associated with polypropylene filament.

This rope is lightweight, floats, remains flexible even in freezing conditions and won't kink or hockle. Splicing is fast, using our single-braid splice instructions. The standard color for this product is International Orange.

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
1/2	13	4.6	6.8	6,500	2,950	5,850	2,655	1,300	590
9/16	14	6.0	8.9	8,000	3,630	7,200	3,267	1,600	726
5/8	16	6.4	9.8	11,000	4,540	9,000	4,086	2,000	908
3/4	19	8.3	12.3	12,000	5,445	10,800	4,901	2,400	1,089
7/8	22	9.9	14.7	14,460	6,560	13,014	5,904	2,892	1,312
1	25	13.8	20.5	19,000	8,625	17,100	7,763	3,800	1,725

\* 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 330 ft. lbs./lb.
- Red ultimate 11,400 ft. lbs./lb.

**Dielectric Strength:** The maximum allowable leakage for clean, dry Lugger Line 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: #10015101.

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

Specific Gravity: 0.95