

Optimus Pro

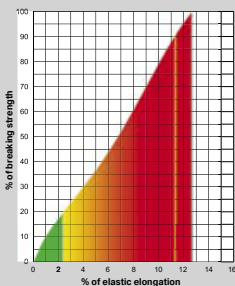
Single Braid



Optimus Pro is a 12-strand hollow braid rope manufactured from solution-dyed polyester and coated with our riggers-grade, abrasion-resistant coating to maximize protection. Built with the same performance specifications as Optimus, its hollow braid construction makes the rope easier to splice while maintaining lightweight and flexible handling characteristics. A key feature of this rope is its integrated tracers, which provide a visual reference to help identify twisting during use.

Optimus Pro provides optimal UV and weather resistance, while vibrant, colorfast polyester fibers help provide lifelong visibility. It is color-coded by diameter for easy identification in the field and is available in four variations: 1/2" Neon Green, 5/8" Orange, 3/4" Blue, and 7/8" Dark Green. Its braid construction is specifically designed for sling fabrication and easier splicing.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/ 100ft)
1/2	12,000	13,000	13,500	9.2
5/8	17,000	18,500	19,000	11.7
3/4	22,500	24,500	25,000	16.0
7/8	32,000	35,500	36,000	25.0



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 351 ft. lbs./lb.

■ Red ultimate 9,915 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Optimus Pro 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.

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.