YALE CORDAGE
A SLINGMAX GROUP COMPANY

PolyPlus Braid

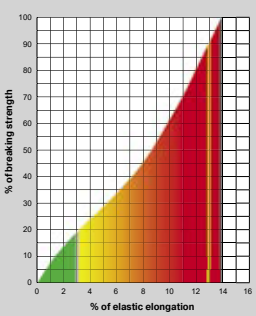
Single Braid

PolyPlus Braid is an a ordable 12-strand single-braid rope constructed of high-tenacity polyester plied over “Para-ep” polyolefin in each individual strand.

A unique plying technique as well as a generous proportion of polyester to olefin is coupled with Yale’s exclusive Aralube treatment to optimize the rope’s abrasion resistance. The “Para-ep” provides body to the rope and enhances its handling characteristics while keeping the rope’s weight to a minimum.

The two-end-per-carrier structure makes the rope very easy to splice, and it is entirely torque balanced. PolyPlus Braid is the strongest single-braid polyester/polyolefin blended rope available and is always manufactured with a single red strand.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
1/4	2,500	2,700	2,800	1.6
3/8	5,200	5,800	5,800	3.6
7/16	6,500	7,100	7,300	4.3
1/2	8,600	9,500	9,600	5.9
5/8	12,500	14,000	14,000	9.3
3/4	18,000	20,000	20,000	12.3



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 353 ft. lbs./lb.
- Red ultimate 10,268 ft. lbs./lb.

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

*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.