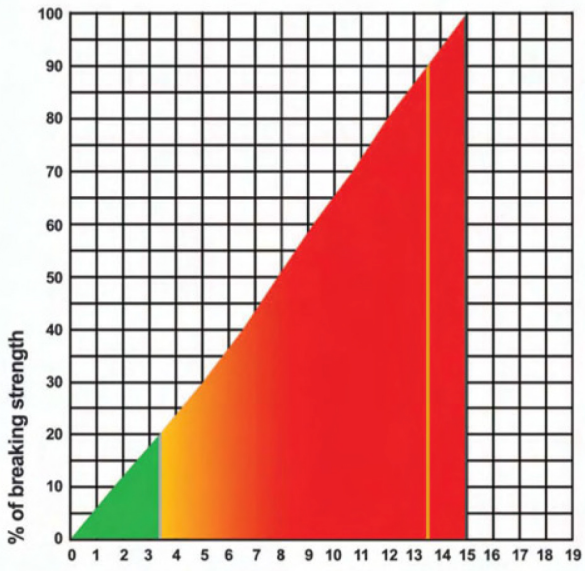
POLYPLUS BRAID™

PolyPlus Braid is an affordable 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 which optimizes the ropes 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 a snap 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 dual red strands.

Diameter Inches (mm)		Average Spliced Break Strength*		Minimum Spliced Break Strength*		Maximum** Work Load 5:1		Weight	
		Lbs	Kg	Lbs	Kg	Lbs	Kg	Lbs/ 100ft	Kg/ 100m
3/8	(9.0)	4,500	2,040	4,050	1,835	900	409	3.7	5.5
7/16	(11.0)	6,000	2,720	5,400	2,450	1,200	545	4.9	7.3
1/2	(12.0)	8,500	3,855	7,650	3,470	1,700	772	6.6	9.8
9/16	(14.0)	10,250	4,650	9,225	4,185	2,050	931	7.1	10.6
5/8	(16.0)	12,000	5,445	10,800	4,900	2,400	1,090	10.3	15.3
3/4	(18.0)	17,000	7,715	15,300	6,945	3,400	1,544	13.1	19.5

* **Knots** and abrupt bends significantly reduce the strength of all ropes and lowers 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 constitutes hazardous shock load and would void normal working load recommendation. Consult Yale Cordage for guidelines for working loads and safe use of rope.



Specific Gravity: 1.25

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 395 ft. lbs./lb.
- Red ultimate 8,228 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry PolyPlus Braid is 100 Micro Amperes when tested at 90KV per ASTM 1701-05 "Routine Production Test". Absorbed and entrained moisture or impurities will increase ropes conductivity dramatically.

Splice using Yale's splicing technique document **#10015101** (all sizes).

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

Step 1 ►

Step 2 ►