

PE-12

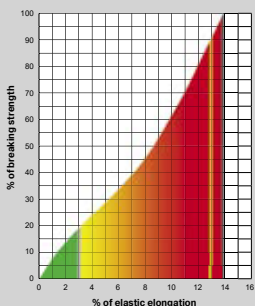
Single Braid



PE-12 has been re-engineered, boosting its strengths significantly. Using the same high-tenacity fiber we use in our value-packed Portland Braid, this polyester single braid offers a single-end-per-carrier construction, which keeps the rope from flattening out in service and self centers in sheaves beautifully.

PE-12 comes with the same tough grades of Maxijacket urethane we use on our more expensive products. PE-12 is easy to splice, and field repairs are easily accomplished. It is available in unlimited lengths and brilliant colors for easy identification. PE-12 is torque free and is undamaged when rigging with swivels.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
3/8	5,500	6,100	6,200	3.9
7/16	9,000	9,900	10,000	6.5
1/2	12,500	13,500	14,000	8.4
9/16	14,500	16,000	16,500	10.2
5/8	17,500	19,000	19,500	11.5
3/4	20,500	23,000	23,000	15.7
7/8	34,000	37,500	38,000	22.9
1	38,500	42,000	43,000	27.2



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 406 ft. lbs./lb.

■ Red ultimate 8,738 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry PE-12 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.