

PE-12



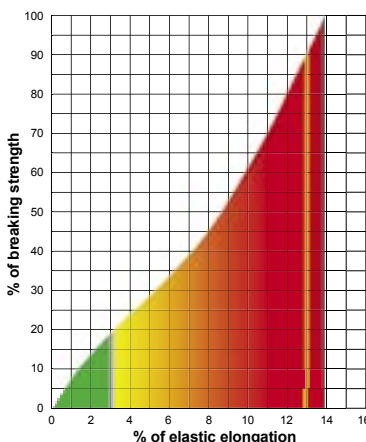
PE-12 has been re-engineered, boosting its strengths significantly. Using the same high-tenacity fiber we use in our value-packed Portland Braid, this polyester single braid offers a single-end-per-carrier construction, which keeps the rope from flattening out in service and self centers in sheaves beautifully.

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 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
5/16	8	2.8	4.2	4,050	1,835	3,645	1,652	810	367
3/8	10	3.9	5.8	6,200	2,810	5,580	2,529	1,240	562
7/16	11	6.5	9.7	10,000	4,540	9,000	4,086	2,000	908
1/2	13	8.4	12.5	13,940	6,325	12,546	5,693	2,788	1,265
9/16	14	10.2	15.2	16,590	7,530	14,931	6,777	3,318	1,506
5/8	16	11.5	17.1	19,640	8,915	17,676	8,024	3,928	1,783
3/4	19	15.7	23.4	23,250	10,555	20,925	9,500	4,650	2,111
7/8	22	22.9	34.1	38,300	17,385	34,470	15,647	7,660	3,477
1	25	27.2	40.5	42,900	19,475	38,610	17,528	8,580	3,895

* 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 406 ft. lbs./lb.
- Red ultimate 8,738 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry PE-12 and Pilot 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: 1.38