

## PE-12



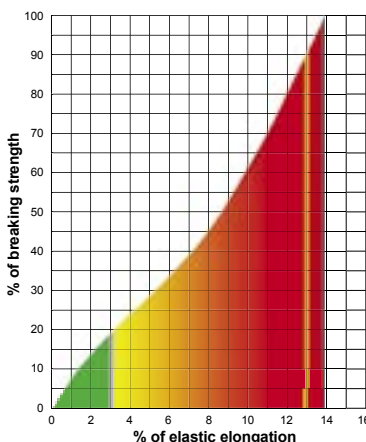
PE-12 has been re-engineered, boosting its strengths significantly. Using the same high-tenacity fiber we use in our value-packed Portland Braid, this polyester single braid offers a single-end-per-carrier construction, which keeps the rope from flattening out in service and self centers in sheaves beautifully.

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