

SP-12



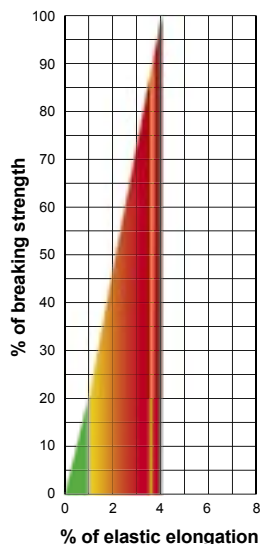
SP-12 is a 12-strand blended rope comprised of Ultra High Molecular Weight Polyethylene (UHMWPE) fiber and polyester. This rope is designed to take advantage of the high strength and low elongation properties of UHMWPE fibers while providing a slightly lower price point than 100% UHMWPE ropes.

The primary market opportunity is for long length conductor pulling machinery. This rope can also be used in any application where 100% UHMWPE does not fit the need and 100% polyester is limited in selection as well. The rope is available in any of our Maxijacket HP colors which will be supplied as a standard coating. This product is identified by the addition of blue polyester fiber in the strand bundle of yarn.

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
3/8	10	3.7	5.5	10,500	4,765	9,450	4,289	2,100	953
1/2	13	7.8	11.6	15,700	7,125	14,130	6,413	3,140	1,425
5/8	16	10.7	15.9	25,125	11,405	22,613	10,265	5,025	2,281
3/4	19	16.2	24.1	48,100	21,835	43,290	19,652	9,620	4,367
7/8	22	22.8	34.0	72,200	32,775	64,980	29,498	14,440	6,555

* 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 292 ft. lbs./lb.
- Red ultimate 5,851 ft. lbs./lb.

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

- Maximum Working Load
 - Minimum Break Strength
 - Average Break Strength
- Specific Gravity: 1.12