

Phantom-12



Phantom-12 is a specially designed rope for stadium, theatre and set rigging comprised of high-heat-resistant Technora® lament fiber with a wrap of yarn of Yale's Igrip fiber. The Technora® lament provides strength and high-heat resistance where the polyester over-wrap provides a soft hand.

- Grips in your hand comfortably, making rigging and set work easier to grip, hold, adjust and control.
- Grips winch surfaces securely so you can use fewer wraps to control loads more easily.
- Grip will hold highly loaded knots and hitches.
- Glides when released from stoppers and cam devices without kinking or hockling.
- Easily spliced.
- Glides through blocks easily.

Solid Color Grip on Natural Technora® (Solid colors: Red, Navy, Blue, Green, White, and Black)

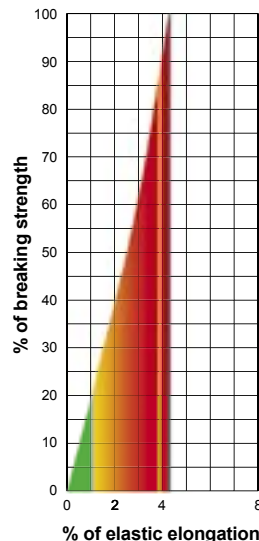
Diameter Inches	Diameter mm	Weight Lbs/100ft	Weight Kg/100m	Average Spliced Break Strength* Lbs	Average Spliced Break Strength* Kg	Minimum Spliced Break Strength* Lbs	Minimum Spliced Break Strength* Kg	Maximum** Work Load 5:1 Lbs	Maximum** Work Load 5:1 Kg
3/8	10	2.5	3.7	6,000	2,720	5,400	2,448	1,200	544
7/16	11	3.6	5.4	8,000	3,630	7,200	3,267	1,600	726
1/2	13	4.5	6.7	9,800	4,445	8,820	4,001	1,960	889
5/8	16	7.5	11.2	16,000	7,260	14,400	6,534	3,200	1,452

Black Grip on Black Technora®

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* Knots and abrupt bends significantly reduce the strength of all ropes and lower maximum working load.

** Working load is based on static or moderately dyanmic lifting/pulling operations. Instantaneous changes in load, up or down, in excess or 10% of the rope's related 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 212 ft. lbs./lb.

■ Red ultimate 4,521 ft. lbs./lb.

Dielectric Strength: Due to their moisture gain, high-dielectric applications are not recommended.

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

Specific Gravity: 1.40