

## Kernmaster

**Kernmaster** is a static-rappelling line constructed with a traditional “mantle” sleeve consisting of 48 strands of polyester. The inside, or “kern,” is a braided core of energy-absorbing nylon. The core is fully steam-stabilized to enhance the rope’s flexibility and prevent hardening in service; the braid also bends more easily and with less

fatiguing of the core when cycled over sheaves or dropped over a parapet. The sleeve is either white with red tracers or solution-cast fiber (color added prior to yarn production), which makes for lasting colors and enhanced wear resistance.

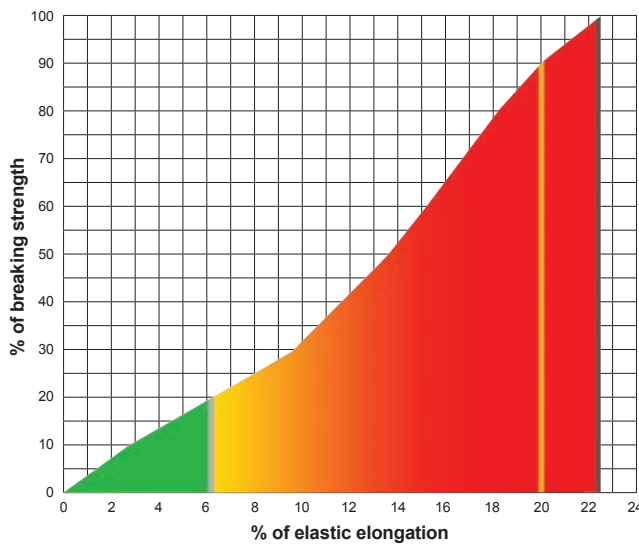
**Standards:** 11 mm, 13 mm: CE0120 EN1891 Type A

### Specifications

Diameter		Average Break Strength*		Minimum Break Strength*		Maximum** Working Load 10:1		Weight	
Inches	(mm)	Lbs	Kg	Lbs	Kg	Lbs	Kg	Lbs/100ft	Kg/100m
3/8	(10)	4,000	1,815	3,600	1,634	400	182	4.0	6.0
7/16	(11)	7,100	3,220	6,390	2,898	710	322	5.5	8.2
1/2	(13)	9,200	4,175	8,280	3,758	920	418	7.6	11.3
5/8	(16)	12,500	5,675	11,250	5,108	1,250	568	11.4	17.0

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

\*\* For situations where a person is NOT on the rope, the working load may be doubled (5:1).



#### Energy Absorption

The colored area under the curve represents the rope’s energy-absorption capability.

■ Green working 622 ft. lbs./lb.

■ Red ultimate 9,775 ft. lbs./lb.

**Dielectric Strength:** The maximum allowable leakage for clean, dry Kernmaster is 500 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: 1.23