YALE CORDAGE
A SLINGMAX GROUP COMPANY

XTC-48 Kernmaster

Double Braid

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.

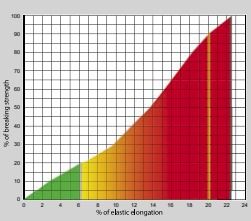
The braid also bends more easily and with less fatiguing of the core when cycled over sheaves or dropped over a parapet. The sleeve is either white with red tracers or solution-cast fiber (color added prior to yarn production), which makes for lasting colors and enhanced wear resistance.

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

Diameter (in)	Average Break Strength * (Lbs)	Minimum Spliced Break Strength * (Lbs)	Maximum Working Load 10:1 ** (Lbs)	Weight (lb/100ft)
7/16	7,300	6,570	730	5.5

*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 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.

Minimum Break Strength

Specific Gravity: 1.23